

	1					
ecoli_K12	-----	-----	-----	-----	-----	-----
C_E_dacicola	-----	-----	-----	-----	-----	-----
C_E_haradaeae	-----	-----	-----	-----	-----	-----
E_amylovora	-----	-----	-----	ATGCTGA	GCCCCGCAAA	ACCGGGCACC
E_aphidicola	-----	-----	-----	-----	-----	-----
E_billingiae	-----	-----	-----	-----	-----	-----
E_endophytica	-----	-----	-----	-----	-----	-----
E_iniecta	-----	-----	-----	-----	-----	-----
E_mallotivora	-----	-----	-----	-----	-----	-----
E_oleae	-----	-----	-----	-----	-----	-----
E_persicina	-----	-----	-----	-----	-----	-----
E_phyllosphaerae	-----	-----	-----	-----	-----	-----
E_piriflorinigrans	-----	-----	-----	-----	-----	-----
E_psidii	-----	-----	-----	-----	-----	-----
E_pyrifoliae	-----	-----	-----	-----	-----	-----
E_rhapontici	-----	-----	-----	-----	-----	-----
E_tasmaniensis	-----	-----	-----	-----	-----	-----
E_tracheiphila	-----	-----	-----	-----	-----	-----
E_typographi	-----	-----	-----	-----	-----	-----
P_agglomerans	-----	-----	-----	-----	-----	-----
P_beijingensis	-----	-----	-----	-----	-----	-----
P_dispersa	-----	-----	-----	-----	-----	-----
P_eucalypti	-----	-----	-----	-----	-----	-----
E_sorbitola	ATGTTGCTTT	TTTGTAACA	GATTAAACATG	CAACCGAAAT	CCTGCTATGC	TGGCCCTCGC
E_toletana	ATGTTGCTTT	TTTGTAACA	GATTAAACAAA	CATGCGAAAT	GCTGCTATGC	TGCCCCTCGC
unknown_DE2	ATGTTGCTTT	TTTGTAACA	GATTAAACAAA	CATGCGAAAT	GCTGCTATGC	TGCCCCTCGC
unknown_E602	-----	-----	-----	-----	-----	-----
unknown_Ejp617	-----	-----	-----	-----	-----	-----
unknown_QL-Z3	-----	-----	-----	-----	-----	-----

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ecoli_K12	-----	-----	-----	-----	-----	-----
C_E_dacicola	-----	-----	-----	-----	-----	-----
C_E_haradaeae	-----	-----	-----	-----	-----	-----
E_amylovora	TCTACCCCGC	GCTATAGGAT	G	TTCTTACTGT	GGGCTGCGAG	CGAGGTAGCC
E_aphidicola	-----	-----	-----	-----	-----	-----
E_billingiae	-----	-----	-----	-----	-----	-----
E_endophytica	-----	-----	-----	-----	-----	-----
E_iniecta	-----	-----	-----	-----	-----	-----
E_mallotivora	-----	-----	-----	-----	-----	-----
E_oleae	-----	-----	-----	-----	-----	-----
E_persicina	-----	-----	-----	-----	-----	-----
E_phyllosphaerae	-----	-----	-----	-----	-----	-----
E_piriflorinigrans	-----	-----	-----	-----	-----	-----
E_psidii	-----	-----	-----	-----	-----	-----
E_pyrifoliae	-----	-----	-----	-----	-----	-----
E_rhapontici	-----	-----	-----	-----	-----	-----
E_tasmaniensis	-----	-----	-----	-----	-----	-----
E_tracheiphila	-----	-----	-----	-----	-----	-----
E_typographi	-----	-----	-----	-----	-----	-----
P_agglomerans	-----	-----	-----	-----	-----	-----
P_beijingensis	-----	ATGAT	C	GGTGATCACA	TTGGTGTGAA	CCCTGGGTGC
P_dispersa	-----	-----	-----	-----	-----	-----
P_eucalypti	-----	-----	-----	-----	-----	-----
E_sorbitola	GGAAACCGGGC	ACCTTACCCCT	ACACATGGAT	TGTTTTCACT	TTTGGGTGAC	TCAGGTAGTC
E_toletana	GGAAACCGGGC	GCTTTACCCCT	A	CGGCATATCG	ACACCATGAA	CCTGAGGGCA
unknown_DE2	GGAAACCGGGC	GCTTTACCCCT	A	CGGCATATCG	ACACCATGAA	CCTGAGGGCA
unknown_E602	-----	-----	-----	-----	AT	GCAGGTGGCC
unknown_Ejp617	-----	-----	-----	-----	-----	-----
unknown_QL-Z3	-----	-----	-----	-----	-----	-----

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ecoli_K12	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
C_E_dacicola	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
C_E_haradaeae	-----	-----	-----	-----	GTGC	TAAAAGAATA	CCGCAAGCAT
E_amylovora	GGGTATSCCA	AATACAATGA	GAGCGAGGAG	AACGTC	GTGC	TAGAAGAATA	CCGTAAGCAC
E_aphidicola	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_billingiae	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_endophytica	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_iniecta	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_mallotivora	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_oleae	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_persicina	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_phyllosphaerae	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_piriflorinigrans	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_psidii	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_pyrifoliae	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_rhapontici	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_tasmaniensis	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_tracheiphila	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_typographi	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
P_agglomerans	-----	-----	-----	-----	-----	-----	-----
P_beijingensis	CGGAACGCCA	AATACAATGA	GAGCGAGGAG	AACGTC	GTGC	TAGAAGAATA	CCGTAAGCAC
P_dispersa	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
P_eucalypti	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
E_sorbitola	CGGGATGCTA	AATACAATGA	GAGCGAGGAG	AACGTC	GTGC	TAGAAGAATA	CCGTAAGCAC
E_toletana	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
unknown_DE2	CCCGGTAGCA	ATTACAATGT	GAGCGAGGAG	AACGTC	GTGC	TAGAAGAATA	CCGTAAGCAC
unknown_E602	CGGGATGCTA	AATACAATGA	GAGCGAGGAG	AACGTC	GTGC	TAGAAGAATA	CCGTAAGCAC
unknown_Ejp617	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC
unknown_QL-Z3	-----	-----	-----	-----	GTGC	TAGAAGAATA	CCGTAAGCAC

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ecoli_K12	GTAGCTGAGC	GTGCCGCTGA	GGGGATTGCG	CCCAAAACCC	TGGATGCAAA	CCAAATGGCC
C_E_dacicola	GTTGCCGAGC	GAGCTGCTCA	AGGGATTGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
C_E_haradaeae	GTTGCTAGAGC	GCGCTGTTAA	CGGATCGTTT	CCTAAGGCCCT	TGGATGCTCA	ACAAATGGCT
E_amylovora	GTTGCCGAGC	GTGCCGCCCCA	GGGAATCGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_aphidicola	GTTGCCGAGC	GTGCTGCCCA	GGGGATTGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_billingiae	GTTGCCGAGC	GTGCTGCCGA	AGGGATCGTT	CCAAAACCAA	TGGATGCTTC	CCAAATGGCC
E_endophytica	GTTGCCGAGC	GTGCAGCCCCA	GGGGATCGTT	CCTAAAACCAT	TAGATGCTTC	CCAAATGGCC
E_iniecta	GTTGCCGAGC	GTGCCGCCGA	AGGGATTGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_mallotivora	GTTGCCGAGC	GTGCAGCCGA	AGGGATCGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_oleae	GTTGCCGAGC	GTGCTGCTGA	GGGGATCGTT	GCAAAAACCGC	TGGATGCTTC	CCAAATGGCC
E_persicina	GTTGCCGAGC	GTGCTGCCCA	GGGGATTGTT	CCAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_phyllosphaerae	GTTGCCGAGC	GTGCTGCTGA	AGGGATCGTT	CCTAAAACCAT	TAGATGCTTC	CCAAATGGCC
E_piriflorinigrans	GTTGCCGAGC	GTGCAGCCCCA	GGGGATTGTT	CCTAAAACCAT	TAGATGCTTC	CCAAATGGCC
E_psidii	GTTGCCGAGC	GTGCAGCCGA	AGGGATCGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_pyrifoliae	GTTGCCGAGC	GTGCCGCCCCA	GGGAATCGTT	CCTAAAACCAT	TAGATGCTTC	CCAAATGGCC
E_rhapontici	GTTGCCGAGC	GTGCTGCCCA	GGGGATTGTT	CCAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_tasmaniensis	GTTGCCGAGC	GTGCAGCCCCA	GGGGATTGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_tracheiphila	GTTGCCGAGC	GTGCAGCCGA	AGGGATCGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_typographi	GTTGCCGAGC	GTGCAGCCGT	TGGGATCGTT	GCTAAAACCGA	TAGATGCTTC	CCAAATGGCC
P_agglomerans	-----	-----	-----	-----	-----	ATGGCC
P_beijingensis	GTTGCCGAGC	GTGCAGCCGA	AGGGATTGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
P_dispersa	GTTGCCGAGC	GTGCTGCCCA	GGGAATCGTA	CCTAAGCCGT	TAGATGCTTC	CCAGATGGCC
P_eucalypti	GTTGCCGAGC	GTGCTGCCCA	GGGAATTGTA	CCTAAGCCIT	TAGAGGCTTC	CCAGATGGCC
E_sorbitola	GTTGCCGAGC	GTGCTGCCCA	GGGGATTGTT	CCAAAACCGT	TAGATGCTTC	CCAAATGGCC
E_toletana	GTTGCCGAGC	GTGCTGCCGA	AGGGATTGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
unknown_DE2	GTTGCCGAGC	GTGCTGCCCA	GGGGATCGTT	CCTAAGCCIT	TAGATGCTTC	CCAAATGGCC
unknown_E602	GTTGCCGAGC	GTGCTGCCCA	GGGGATCGTT	CCTAAAACCGT	TAGATGCTTC	CCAAATGGCC
unknown_Ejp617	GTTGCCGAGC	GTGCCGCCCA	GGGAATCGTT	CCTAAAACCAT	TAGATGCTTC	CCAAATGGCC
unknown_QL-Z3	GTTGCCGAGC	GTGCTGCCGA	AGGGATCGTT	CCAAAACCAA	TGGATGCTTC	CCAAATGGCC

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ecoli_K12	GCACTTGTTAG	AGGTGCTGAA	AAACCCGCCA	GCGGGCGAAG	AAGAATTCCT	GTTAGATCTG
C_E_dacicola	GCGCTGGTTG	AACTGCTAAA	AGCACCTCCA	GCGGGTGAAG	AAGAGTTTCT	GTTAGACCTG
C_E_haradaeae	CAAGTAGTAG	AATTACTACA	ATCGCCCCCC	AAAGGGGAAG	AGAATTTTCT	CTTAGATTTG
E_amylovora	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCT	GCGGGTGAAG	AAGAATTTCT	GTCCGATCTG
E_aphidicola	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCA	GCGGGTGAAG	AAGAGTTTCT	GTTAGACCTG
E_billingiae	GCGCTGGTTG	AACTGCTGAA	AAACCCGCCA	GCGGGCGAAG	AAGAATTCCT	GTCTGATCTG
E_endophytica	GCGCTGGTTG	AACTGCTGAA	AAACCCGCCA	GCGGGTGAAG	AAGAATTTCT	TACCGATCTG
E_iniecta	GCGCTGGTTG	AACTGCTGAA	AAACCCTCCT	GCGGGTGAAG	AAGAATTTCT	GTCTGATCTG
E_mallotivora	GCGCTGGTTG	AACTGCTGAA	GAACCCGCCA	GCGGGTGAAG	AAGAATTCCT	GTCCGATTTG
E_oleae	GCGCTGGTTG	AACTGCTGAA	AAACCCGCCA	GCGGGTGAAG	AAGAATTCCT	GTCTGATCTG
E_persicina	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCA	GCGGGTGAAG	AAGAATTTCT	GTCCGACCTG
E_phyllosphaerae	GCGCTGGTTG	AACTGCTGAA	AAACCCGCCA	GCGGGTGAAG	AAGAATTCCT	GTCCGATTTG
E_piriflorinigrans	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCT	GCGGGCGAAG	AAGAATTTCT	GTCCGATCTG
E_psidii	GCGCTGGTTG	AACTGCTGAA	GAACCCGCCA	GCGGGTGAAG	AAGAATTCCT	GTCCGATCTG
E_pyrifoliae	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCT	GCGGGTGAAG	AAGAATTTCT	GTCCGATCTG
E_rhapontici	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCA	GCGGGTGAAG	AAGAATTTCT	GTCCGATCTG
E_tasmaniensis	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCT	GCGGGTGAAG	AAGAATTTCT	GTCCGATCTG
E_tracheiphila	GCGCTGGTTG	AACTGCTGAA	GAACCCGCCA	GCGGGTGAAG	AAGAATTCCT	GTCCGATCTG
E_typographi	GCGCTGGTTG	AACTGCTGAA	GAACCCACCA	GCGGGTGAAG	AAGAATTCCT	GTCCGATCTG
P_agglomerans	GCGCTGGTTG	AACTGCTAAA	AAATCCACCT	GCGGGTGAAG	AAGAATTTTT	GATCGATTTA
P_beijingensis	GCGCTGGTTG	AACTGCTGAA	AAACCCGCCA	GCGGGTGAAG	AAGAATTCCT	GTGTGATCTA
P_dispersa	GCGCTGGTTG	AACTGCTGAA	AAACCCGCCA	GCGGGTGAAG	AAGAATTCCT	GACTGACCTG
P_eucalypti	GCGCTGGTTG	AACTGCTGAA	AAATCCACCT	GCGGGTGAAG	AAGAATTTTT	GACCGATTTA
E_sorbitola	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCA	GCGGGTGAAG	AAGAATTTCT	GTCCGATCTG
E_toletana	GCGCTGGTTG	AACTGCTAAA	AAACCCTCCT	GCGGGTGAAG	AAGAATTCCT	GTCCGATCTG
unknown_DE2	GCGCTGGTTG	AACTGCTGAA	AAACCCGCCA	GCGGGTGAAG	AAGAATTCCT	GTCCGATCTG
unknown_E602	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCA	GCGGGTGAAG	AAGAATTCCT	GTCCGATCTG
unknown_Ejp617	GCGCTGGTTG	AACTGCTAAA	AGCCCCTCCT	GCGGGTGAAG	AAGAATTTCT	GTCCGATCTG
unknown_QL-Z3	GCGCTGGTTG	AACTGCTGAA	AAACCCGCCA	GCGGGCGAAG	AAGAATTCCT	GTCTGATCTG

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ecoli_K12	TTAACCAACC	GTTGTTCCCC	AGGCGTCGAT	GAAGCCGCCT	ATGTCAAAGC	AGGCTTCCTG
C_E_dacicola	TTAATTAACC	GAGTGCCGCC	GGGCGTAGAT	GAAGCAGCGT	ATGTCAAAGC	CGGGTTCTTG
C_E_haradaeae	TTCACTTATC	AAGTACCTCC	AGGTGTTGAT	GAAGCAGCAT	ATCTTAAAGC	TTCTTTCTTG
E_amylovora	TTAATTAACC	GAGTGCCGCC	GGGCGTTGAC	GAAGCGGCCT	ATGTCAAAGC	CGGTTTCCTG
E_aphidicola	TTAATTAACC	GAGTGCCGCC	GGGCGTAGAT	GAAGCGGCCT	ATGTCAAAGC	CGGTTTCCTG
E_billingiae	TTAATCAATC	GAGTTCACCC	AGGCGTGGAC	GAAGCGGCCT	ACGTGAAAGC	TGGCTTCCTG
E_endophytica	TTAGTTAATC	GAGTCCCGCC	AGGTGTTGAT	GAAGCGGCCT	ATGTGAAAGC	GGGCTTCCTG
E_iniecta	TTAATTAATC	GAGTTCGGCC	AGGTGTTGAT	GAAGCGGCCT	ATGTAAAAGC	CGGATTCCTG
E_mallotivora	CTGATTAACC	GCGTCCCACC	GGGTGTTGAT	GAAGCTGCCT	ACGTCAAAGC	GGGCTTCCTG
E_oleae	TTAATCAATC	GAGTTCGGCC	TGGCGTGGAC	GAAGCCGCCT	ACGTTAAAGC	CGGTTTTCTG
E_persicina	TTAATCAATC	GAGTGCCGCC	GGGCGTTGAC	GAAGCCGCCT	ATGTAAAAGC	CGGTTTCCTG
E_phyllosphaerae	TTAATCAATC	GAGTTCGGCC	GGGCGTTGAC	GAAGCGGCCT	ATGTCAAAGC	CGGATTCCTG
E_piriflorinigrans	TTAATCAATC	GAGTGCCGCC	GGGTGTTGAC	GAAGCGGCCT	ATGTCAAAGC	CGGTTTCCTG
E_psidii	TTAATTAACC	GTTGTTCCGCC	GGGTGTTGAT	GAAGCCGCCT	ACGTGAAAGC	GGGCTTCCTG
E_pyrifoliae	TTAATTAATC	GAGTGCCGCC	GGGCGTTGAC	GAAGCGGCCT	ATGTCAAAGC	CGGTTTCCTG
E_rhapontici	TTAATCAATC	GAGTGCCGCC	GGGCGTTGAC	GAAGCGGCCT	ATGTCAAAGC	GGGTTTCCTG
E_tasmaniensis	TTAATCAATC	GAGTGCCGCC	GGGTGTTGAT	GAAGCGGCCT	ACGTCAAAGC	CGGCTTCCTG
E_tracheiphila	CTAATTAATC	GCGTTCACCC	GGGTGTTGAT	GAGGCCGCCT	ACGTGAAAGC	AGGTTTCCTG
E_typographi	TTAATCAATC	GAGTCCCACC	TGGCGTGGAC	GAAGCGGCCT	ACGTGAAAGC	CGGCTTCCTG
P_agglomerans	TTGGTCAACC	GCGTCCCACC	TGGCGTGCAT	GAAGCGGCCT	ATGTCAAAGC	CGGTTTCCTG
P_beijingensis	TTAATCAATC	GAGTCCCGCC	AGGCGTTGAT	GAAGCGGCCT	ATGTAAAAGC	CGGTTTCCTG
P_dispersa	CTGGTCAACC	GTTGTTCCGCC	GGGTGTTGAT	GAAGCGGCCT	ATGTAAAAGC	CGGATTCCTG
P_eucalypti	TTGGTCAACC	GAGTCCCACC	TGGCGTGCAT	GAAGCGGCCT	ATGTCAAAGC	CGGTTTCCTG
E_sorbitola	TTAATCAATC	GAGTGCCGCC	GGGCGTAGAT	GAAGCGGCCT	ATGTCAAAGC	CGGTTTCCTG
E_toletana	TTAATTAATC	GAGTTCGGCC	AGGTGTTGAT	GAAGCGGCCT	ATGTAAAAGC	CGGATTCCTG
unknown_DE2	TTAATCAATC	GAGTCCCGCC	GGGCGTTGAC	GAAGCGGCCT	ATGTGAAAGC	CGGCTTCCTG
unknown_E602	TTAATCAATC	GAGTGCCGCC	GGGCGTAGAT	GAAGCGGCCT	ACGTCAAAGC	CGGTTTCCTG
unknown_Ejp617	TTAATTAATC	GAGTGCCGCC	GGGCGTTGAC	GAAGCGGCCT	ATGTCAAAGC	CGGTTTCCTG
unknown_QL-Z3	TTAATCAATC	GAGTTCACCC	AGGCGTGGAC	GAAGCGGCCT	ACGTGAAAGC	TGGCTTCCTG

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ecoli_K12	GCTGCTATCG	CGAAAGGCGA	AGCCAAATCC	CCTCTGCTGA	CTCCGGAAAA	AGCCATCGAA
C_E_dadicola	GCTGCTGTCG	CGAAAGGTAA	AGCGACTTCT	CCTCTGGTTA	CTCCTGAAGA	GGCCATTAAAG
C_E_haradaeae	TTTTCTGTTG	TTAAAGGTGA	AGCTAAGTCA	CCGTTAAATTA	ATCCTGAAAA	AGCAGTTAAA
E_amylovora	GCCGCCGTCG	CGAAAGGTGA	AGCGACTTCT	CCTCTGGTTA	CTCCTGAAAA	AGCGGTTGAA
E_aphidicola	GCTGCTGTCG	CGAAAGGCGA	AGCGACTTCT	CCTCTGGTTA	CTCCTGAAAA	AGCCGTTGAG
E_billingiae	GCTGCTGTCG	CCGCAAGGCGA	AGCGACCTCT	CCTCTGGTTA	CCCCTGAAAA	AGCTGTAGAA
E_endophytica	GCGGCCGTCG	CCAAAGGCGA	AGCGACCTCT	CCGCTGGTGA	CGCCAGAAAA	AGCCGTAGAG
E_iniecta	GCTGCTATCG	CGAAAGGCGA	AGCGACTTCT	CCTCTGGTTT	CTCCTGAAAA	AGCCGTTGAA
E_mallotivora	GCGGCGATCG	CCAAAGGCGA	AGCCAGCTCC	CCTCTGGTCA	CTCCGGAAAA	AGCCGTAGAG
E_oleae	GCCGCTATCG	CAAAAGGTGA	AGCCACTTCT	CCTCTGGTCA	CGCCTGAAAA	AGCCGTAGAG
E_persicina	GCTGCCGTCG	CAAAAGGCGA	AACAACCTCT	CCTCTGGTGA	CTCCTGAACCT	GGCCGTTAAG
E_phyllosphaerae	GCTGCTGTCG	CCAAAGGCGA	AGCGACCTCT	CCTCTGGTTA	CTCCTGAAAA	AGCTGTTGAA
E_piriflorinigrans	GCCGCCGTCG	CGAAGGTGA	AGCGACTTCT	CCTCTGGTTA	CTCCTGAAAA	AGCGATTGAG
E_psidii	GCTGCCGTTG	CGAAAGGTGA	AGCCACTTCT	CCCCTGTTCA	CCCCGGAAAA	AGCCGTAGAG
E_pyrifoliae	GCCGCCGTCG	CGAAAGGTGA	AGCGACTTCT	CCTCTGGTTA	CTCCTGAACA	AGCGGTTGAA
E_rhapontici	GCTGCTGTCG	CGAAAGGCGA	AACAACCTCT	CCTCTGGTTA	CTCCTGAACCT	GGCAATCAAA
E_tasmaniensis	GCCGCCGTTA	CGAAGGTGA	AGCGACTTCT	CCTCTGGTTA	CTCCTGAAAA	AGCCATTAAAG
E_tracheiphila	GCGGCTGTTG	CAAAAGGCGA	AGCCAGCTCC	CCACTGGTCA	CCCCGGAAAA	AGCCGTAGAG
E_typographi	GCCGCCGTCG	CCAAAGGCGA	AGCGACTTCT	CCTCTGGTTA	CGCCTGAAAA	AGCCGTAGAG
P_agglomerans	GCGGCTGTCG	CCAAAGGCGA	AGCAACCTCT	CCTCTGATAT	CTTCTGAAAA	AGCGGTTGAA
P_beijingensis	GCCGCTATCG	CGAAAGGCGA	AGCAACCTCT	CCTCTGGTTA	CCCCTGAAAA	AGCCGTTGAA
P_dispersa	GCAAGCTATCG	CAAAAGGCGA	AGCCACTTCT	CCTCTGGTCA	CTCCTGAAAA	AGCGATTGAA
P_eucalypti	GCGGCTGTCG	CCAAAGGCGA	AGCAACCTCT	CCTCTGATAT	CTCCTGAAAA	AGCGGTTGAA
E_sorbitola	GCTGCCGTCG	CGAAAGGCGA	AACAACCTCT	CCTCTGGTCA	CTCCTGAACCT	GGCAGTCAAA
E_toletana	GCTGCTGTCG	CCAAAGGCGA	AGCGACCTCT	CCTCTGGTTA	CTCCTGAAAA	AGCCGTTGAA
unknown_DE2	GCTGCTGTCG	CGAAAGGTGA	AGCGACCTCT	CCTCTGGTTA	CGCCGGAAAA	AGCCGTAGAA
unknown_E602	GCCGCCGTCG	CAAAAGGCGA	AGCGACTTCT	CCTCTGGTTA	CTCCTGAAAA	AGCCGTTGAA
unknown_Ejp617	GCCGCCGTCG	CGAAAGGTGA	AGCGACTTCT	CCTCTGGTTA	CTCCTGAAAA	AGCCGTTGAA
unknown_QL-Z3	GCTGCTGTCG	CCGCAAGGCGA	AGCGACCTCT	CCTCTGGTTA	CCCCTGAAAA	AGCTGTAGAA

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ecoli_K12	CTGCTGGGCA	CCATGCAGGG	TGGTTACAAC	ATTCATCCGC	TGATCGACGC	GCTGGATGAT
C_E_dadicola	CTGCTGGGCA	CCATGCAGGG	CGGTTATAAC	ATCCATGCGC	TGATCGATGC	GCTTGACGAT
C_E_haradaeae	TTATTGGGTA	CCATGCAGGG	AGGTTATAAT	GMTGATGCC	TTCTCTATGC	ACTTGATGAT
E_amylovora	CTGCTGGGTA	CCATGCAGGG	CGGTTATAAC	ATCCATGCGC	TGGTTGACGC	GCTTGACGAC
E_aphidicola	CTGCTGGGCA	CCATGCAGGG	CGGTTATAAC	ATCCATGCGC	TGATCGAAGC	GCTTGACGAT
E_billingiae	CTGCTGGGCA	CCATGCAGGG	CGGCTACAAC	ATTCACCCGC	TGATCGATGC	GCTCGACAAT
E_endophytica	CTATTGGGCA	CCATGCAGGG	CGGCTACAAT	ATTCACCCGC	TGATTGAGGC	GCTGGATGAT
E_iniecta	CTGCTGGGCA	CTATGCAGGG	CGGTTACAAT	ATTCATCCGC	TGATTGATGC	GCTGGATGAT
E_mallotivora	CTGCTGGGCA	CCATGCAGGG	CGGTTACAAT	ATCCATCCGC	TGATTGACGC	GCTGGACGAT
E_oleae	CTGCTGGGTA	CCATGCAGGG	CGGCTACAAT	ATCCATCCGC	TGATTGAAGC	GCTGGACAAT
E_persicina	CTACTGGGTA	CCATGCAGGG	TGGCTACAAC	ATCCATGCGC	TGATTGACGC	GCTTGACGAT
E_phyllosphaerae	CTGCTGGGCA	CCATGCAGGG	CGGTTACAAC	ATTCATCCGC	TGATTGACGC	GCTGGACAGC
E_piriflorinigrans	CTGCTGGGTA	CCATGCAGGG	CGGATATAAC	ATTCATGCGC	TGATCGATGC	GCTTGATGAT
E_psidii	CTGCTGGGTA	CCATGCAGGG	TGGTTATAAT	ATTCACCCGC	TGATTGACGC	GCTGGATGAT
E_pyrifoliae	CTGCTGGGCA	CCATGCAGGG	CGGTTATAAT	ATTCATGCGC	TGATTGACGC	GCTTGACGAC
E_rhapontici	CTGCTGGGCA	CCATGCAGGG	CGGCTATAAC	ATCCATGCGC	TGATTGACGC	GCTTGACGAT
E_tasmaniensis	CTGCTGGGAA	CCATGCAGGG	CGGATATAAC	ATTCATGCGC	TGATCGATGC	GCTCGATAAT
E_tracheiphila	CTTCTGGGCA	CCATGCAGGG	CGGTTATAAT	ATTCACCCGC	TGATCGACGC	GCTGGATGAT
E_typographi	CTGCTGGGTA	CCATGCAGGG	CGGCTACAAC	ATTCATCCGC	TGATCGATGC	GCTTGACGAT
P_agglomerans	CTGCTTGGCA	CCATGCAGGG	CGGTTACAAT	ATTCATCCGC	TGATTGAGGC	GCTGGACGAT
P_beijingensis	CTGCTGGGCA	CAATGCAGGG	CGGTTACAAT	ATCCATCCGC	TTATCGATGC	ACTTGATGAT
P_dispersa	CTGCTGGGCA	CCATGCAGGG	CGGCTACAAC	ATCCATGCGC	TGATCGAGGC	GCTTGACGAT
P_eucalypti	CTGCTGGGCA	CCATGCAGGG	TGGTTACAAT	ATTCACCCGC	TGATTGAAGC	GCTGGACGAT
E_sorbitola	CTGCTGGGCA	CCATGCAGGG	TGGCTATAAC	ATCCATGCGC	TGATTGACGC	GCTTGACGAT
E_toletana	CTGTTGGGCA	CTATGCAGGG	TGGTTACAAT	ATCCATCCGC	TGATTGATGC	GCTTGATGAT
unknown_DE2	CTGCTGGGTA	CCATGCAGGG	CGGTTACAAT	ATACATCCGC	TGATCGACGC	GCTTGATAAT
unknown_E602	CTGCTGGGCA	CCATGCAGGG	CGGATACAAC	ATTCATGCGC	TGATTGACGC	GCTGGATGAT
unknown_Ejp617	CTGCTGGGCA	CCATGCAGGG	CGGATATAAC	ATTCATGCGC	TGATCGATGC	GCTTGATGAT
unknown_QL-Z3	CTGCTGGGCA	CCATGCAGGG	CGGCTACAAC	ATTCATCCGC	TGATCGATGC	GCTCGACAAT

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ecoli_K12	GCCAAAGCTGG	CACCTATTGG	TGCCAAAGCA	CTTTCCTCACA	CGCTGCTGAT	GTTGATAAAG
C_E_dacicola	GATAAGCTGG	CGCCAAATTAC	TGCTGAAAGCC	CTGTCCCAGA	CGCTGCTGAT	GTTTGACAAC
C_E_haradaeae	AATAAATTAG	CTTCTCTTGC	ATCTAAAGGCC	CTTTCCTCACA	CATTATTAAT	GTTTGATCGA
E_amylovora	GAAAAAGCTGG	CCCCGCTGGC	TGCAGATCC	CTTTCCCACA	CGCTTCTGAT	GTTGACAAC
E_aphidicola	GAAAAAGCTGG	CGCCAAATTGC	CGCTGAAAGCC	CTGTCCCACA	CGCTGCTGAT	GTTGACAAC
E_billingiae	GAGACGCTGG	CCCCGATGCG	GGCGAAAGCC	CTTTCCCATA	CTTTGCTGAT	GTTTGACAGC
E_endophytica	GAAAAAGCTGG	CGCCCAATTGC	AGTAAAGCG	TTGTCTCACA	CGCTGCTGAT	GTTTGACAGC
E_iniecta	GACAAAGCTGG	CACCGATTGC	CGCGAAAGCC	CTGTCTCATA	CGCTGCTGAT	GTTGACAGC
E_mallotivora	GAAAAAGCTGG	CTCCGATTGC	GGCCAAAGCG	CTGTGCCACA	CGCTGCTGAT	GTTTGACAGC
E_oleae	AACAGGCTGG	CGCCCATCGC	TGCGAAAGCG	CTTTCCCATA	CGCTGCTGAT	GTTGATAAC
E_persicina	GAAAAAGCTGG	CACCGATTGC	CGCTGAAAGCG	CTGTCCCACA	CGCTGCTGAT	GTTGACAAC
E_phyllosphaerae	GAAAAAGCTGG	CACCGATTGC	CGCTAAAGCA	CTTTCCCACA	CGCTGCTGAT	GTTGACAAC
E_piriflorinigrans	GAAAAAGCTGG	CCCCGCTTGC	TGCTGCAATCC	CTTTCCCATA	CGCTGCTGAT	GTTGATAAC
E_psidii	GAAAAAGCTGG	CGCCCATCGC	CGCTAAAGCA	TTGTGCAACA	CGTTGCTGAT	GTTGACAGC
E_pyrifoliae	GAAAAAGCTGG	CTCCGCTTGC	TGCTGAGTCC	CTTTCCCACA	CGCTGCTGAT	GTTTGACAAC
E_rhapontici	GAAAAAGCTGG	CACCGATTGC	CGCTGAAAGCG	CTGTCCCACA	CGCTGCTGAT	GTTGACAAC
E_tasmaniensis	GACAAAGCTGG	CCCCGATTGC	TGCTGAATCT	CTTTCCCATA	CGCTGCTGAT	GTTGATAAC
E_tracheiphila	GAAAAAGCTGG	CCCCCGGTCG	TGCGAAAGCT	TTGTGCAACA	CGCTGCTGAT	GTTTGACAGC
E_typographi	GAGAAAGCTGG	CCCCGATCGC	GGCGAAAGCC	CTGTCCCACA	CGCTGCTGAT	GTTTGACAGC
P_agglomerans	AGCAAACTGG	CTCCGATTGC	CGCGAAAGCC	CTTTCACACA	CGCTGCTGAT	GTTGACAAC
P_beijingensis	GCCAAAGCTGG	CGCCTATTGC	AGGTAAAGCA	CTCTCCCATA	CGCTGCTGAT	GTTGATAGC
P_dispersa	GAGGCTCTGG	CACCGATTGC	CGCTGAAGCA	CTGTCCCACA	CGCTGCTGAT	GTTGATAAC
P_eucalypti	AGCAAGCTGG	CCCCGATTGC	GGCGAAAGCC	CTTTCACACA	CCCTGCTGAT	GTTGACAAC
E_sorbitola	GAAAAAGCTGG	CACCGATTGC	TGCTGAAGCG	CTGTCTCACA	CGCTGCTGAT	GTTTGACAAC
E_toletana	GACAAAGCTGG	CACCGATTGC	CGCGAAAGCC	CTGTGCGACA	CGCTGCTGAT	GTTGACAGC
unknown_DE2	GAGAAAGCTGG	CCCCCAATTGC	GGCGAAAGCG	CTCTCTCATA	CGCTGCTGAT	GTTTGACAAC
unknown_E602	GACAAAGCTGG	CGCGGATTGC	CGCGGAAGCG	CTGTCCCACA	CCCTGCTGAT	GTTGACAAC
unknown_Ejp617	GACAAAGCTGG	CTCCGCTTGC	TGCTGATCC	CTTTCCCACA	CTTTCCTGAT	GTTTGACAAC
unknown_QL-Z3	GAGACGCTGG	CCCCGATCGC	GGCGAAAGCC	CTTTCCCATA	CTTTGCTGAT	GTTTGACAGC

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ecoli_K12	TTCTATGACG	TAGAAGAGAA	AGCGAAAGCA	GGCAACGAAT	ATGCGAAGCA	GGTTATGCAG
C_E_dacicola	TTCTATGATG	TTAAAGAAAA	GTCCAAAACG	GGCAATCCCTC	ACGCGAAGAA	AAATTATTCAG
C_E_haradaeae	TTCTATGACG	TTGAAGAAAA	AGGAAAAAAA	GATCATCTAC	ATGCTAAAAA	TATTATACAG
E_amylovora	TTCTATGACG	TTGAAGATTA	AGCGAAAGCG	GGCAATCCAC	ACGCCAAAAA	AAITTATTCAG
E_aphidicola	TTCTATGACG	TTGAAGAAAA	ATCCAAAGCG	GGCAACCCCTC	ACGCGAAGAA	AAATTATTCAG
E_billingiae	TTCTACGATG	TGAAGAGAA	AGCCAAAGCG	GGTAACCCAC	ACGCGCAGAA	GATCCTGAAG
E_endophytica	TTCTACGATG	TGAAGAAAA	AGCCAAAGCC	GGTAACCCGC	ACGCGAAAAA	AATCCTGCAG
E_iniecta	TTCCATGACG	TTGACGAGAA	AGCCAAAGCG	GGCAACCCGC	ACGCGCAGCA	GGTACTGCAA
E_mallotivora	TTCTACGATG	TGAAGAAAA	AGCCAAAGCT	GGCAACCCGC	ATGCTCAGCA	GGTCTGCAA
E_oleae	TTTTTTCGACG	TGAAGAGAA	AGCCAAAGCG	GGCAACGCCTT	ATGCTCAACA	GATTATGACC
E_persicina	TTCTATGATG	TTGAAGAAAA	ATCCAAAGCG	GGTAACCCGC	ACGCGAAAAA	AATCATCCAG
E_phyllosphaerae	TTCTACGATG	TGAAGAGAA	AGCCAAAGCT	GGCAACCCGC	ACGCGAAAAA	GATTATGCAG
E_piriflorinigrans	TTCTATGATG	TTGAAGATTA	AGCGAAAGCG	GGCAACCCAC	ACGCCAAAAA	AAITTATTCAG
E_psidii	TTCTACGATG	TGAAGAAAA	AGCCAAAGCT	GGCAACCCCTC	ATGCCAAAAA	GGTTTTGCAG
E_pyrifoliae	TTCTATGACG	TTGAAGATTA	AGCGAAAGCG	GGCAATCCAC	ATGCCAAAAA	AAITTATTCAG
E_rhapontici	TTCTACGATG	TGAAGAAAA	ATCTAAAGCA	GGCAACCCAC	ACGCGAAAAA	GATTATTCAG
E_tasmaniensis	TTCTATGATG	TTGAAGACAA	AGCGAAAGCG	GGCAACCCAC	ACGCCAAAAA	AAITTATTCAG
E_tracheiphila	TTCTACGATG	TGAAGAAAA	AGCCAAAGCG	GACAACCCCTC	ATGCGCAGCA	GGTCTGCAA
E_typographi	TTCTACGATG	TGAAGAGAA	AGCGAAAAAC	GGTAACCCCTC	ACGCGCAGCA	AATCCTCAAG
P_agglomerans	TTCTATGATG	TGAAGAGAA	AGCGAAAGCG	GGTAATGAAT	ACGCGAAGCA	GGTGATGCAA
P_beijingensis	TTCTACGATG	TGAAGAGAA	GGCCAAAGCG	GGCAACGAAC	ACGCGAAGAA	AGTGATGCAG
P_dispersa	TTCTACGACG	TGAAGAGAA	AGCCAAAGCG	GGTAATCCCTC	ACGCGAAGAA	AATCCTCCAG
P_eucalypti	TTCTATGATG	TGAAGAGAA	AGCGAAAGCG	GGTAATGAAT	ACGCGAAGCA	GGTGATGCAA
E_sorbitola	TTCTATGATG	TGAAGACAA	ATCCAAAGCA	GGTAACCCAC	ACGCGAAAAA	AAITTATTCAG
E_toletana	TTCCATGATG	TTGATGAGAA	AGCCAAAGCG	GGCAACCCGC	ATGCGCAACA	GGTGCTGCAA
unknown_DE2	TTCTACGATG	TTGAAGAAAA	AGCCAAAGCG	GGTAACCCGC	ACGCTCAGCA	AATCCTGAAG
unknown_E602	TTCTACGATG	TGAAGAGAA	AGCCAAAGCC	GGTAACCCAC	ACGCGAAAAA	AAITTATTCAG
unknown_Ejp617	TTCTATGACG	TTGAAGATTA	AGCGAAAGCG	GGCAATCCAC	ATGCCAAAAA	AAITTATTCAG
unknown_QL-Z3	TTCTACGATG	TGAAGAGAA	AGCCAAAGCG	GGTAACCCAC	ACGCGCAGAA	GATCCTGAAG

ecoli_K12	TCCTGGGCGG	ATGCCGAATG	GTTCCTGAAT	CGCCCGGCGG	TGGCTGAAAA	ACTGACCGTT
C_E_dadicola	TCCTGGGCTG	ACGCCGAGTG	GTTCCTGAAG	CGTCCGAAAT	TGGCAGAAAA	AATCACCGTA
C_E_haradaeae	TCCTGGGCTA	ATTCGAGTG	GTTCCTTAGT	CAACCGCAAG	TCCAGGAGAA	GATTACTGTT
E_amylovora	TCATGGGCTG	ACGCCGAGTG	GTTCCTGAAA	CGCCCTAAGC	TGGCAGAAAA	AATCACCGTA
E_aphidicola	TCCTGGGCTG	ACGCCGAGTG	GTTCCTGAAG	CGTCCGAAAC	TGGCAGAAAA	AATCACCGTA
E_billingiae	TCCTGGGCTG	ATGCTGAGTG	GTATCTGTCA	CGTCCCAGAG	TGGCAGAAAA	ACTCACCGTT
E_endophytica	TCATGGGCTG	ATGCCGAATG	GTTCCTTTCC	CGCCCTGAAC	TGGCTGAAAA	AATTACTGTC
E_iniecta	TCCTGGGCTG	ATGCCGAGTG	GTATTTGTCA	CGCCCTGAGC	TGGCGGAAAA	GATCACCGTA
E_mallotivora	TCCTGGGCTG	ACGCCGAGTG	GTATCTTTCC	CGCCCGAAAC	TGGCCGAAAA	AATTACCGTT
E_oleae	TCCTGGGCTG	AGGCTGAGTG	GTATCTCTCC	CGCCCGGAAC	TGGCTGAAAA	AATCACCGTG
E_persicina	TCCTGGGCTG	ATGCCGAGTG	GTTCCTGAAG	CGCCCTAAAC	TGGCAGAAAA	AATCACCGTC
E_phyllosphaerae	TCCTGGGCTG	ATGCCGAATG	GTATCTTTCT	CGCCCGGAAC	TGGCGGAAAA	AATTACCGTT
E_piriflorinigrans	TCCTGGGCTG	ACGCCGAGTG	GTTCCTGAAA	CGTCCCTAAGC	TGGCAGAAAA	AATTACCGTC
E_psidii	TCCTGGGCTG	ATGCTGAATG	GTATCTTTCC	TGCCCGGAAC	TGGCAGAAAA	AATCACCGTT
E_pyrifoliae	TCCTGGGCTG	ACGCCGAGTG	GTTCCTGAAA	CGCCCTAAGC	TGGCAGAAAA	AATCACCGTC
E_rhapontici	TCCTGGGCTG	ATGCTGAATG	GTTCCTGAAG	CGTCCCTAAAC	TGGCAGAAAA	AATCACCGTT
E_tasmaniensis	TCCTGGGCTG	ACGCCGAGTG	GTTCCTGAAA	CGTCCCTAAGC	TGGCAGAAAA	AATCACCGTT
E_tracheiphila	TCCTGGGCTG	ATGCTGAATG	GTTCCTGTCC	CGCCCCAAAC	TGGCAGAAAA	AATTACCGTT
E_typographi	TCCTGGGCTG	AAGCCGAATG	GTATCTGTCA	CGTCCCAGAG	TGGCAGAAAA	AATCACCGTC
P_agglomerans	TCCTGGGCTG	ATGCCGAATG	GTATCTGTCA	CGGCCTGAAC	TGGCAGAGAA	GATCACCGTT
P_beijingensis	TCCTGGGCTG	ATGCCGAATG	GTATCTGTCA	CGTCTGTAGC	TGGCAGAAAA	AATTACCGTT
P_dispersa	TCCTGGGCTG	ATGCCGAATG	GTTCCTCAAG	CGTCCCTAAGC	TGGCAGAAAA	AATCACCTGC
P_eucalypti	TCCTGGGCTG	ATGCCGAATG	GTATCTGTCA	CGTCCCTGAAC	TGGCTGAGAA	AATCACCGTT
E_sorbitola	TCCTGGGCTG	ACGCCGAATG	GTTCCTGAAG	CGTCCCTAAAC	TGGCAGAAAA	AATCACCGTA
E_toletana	TCCTGGGCTG	ATGCTGAATG	GTATCTGTCA	CGTCCCTGAGC	TGGCAGAAAA	AATTACCGTA
unknown_DE2	TCCTGGGCTG	AAGCCGAATG	GTATCTGTCA	CGTCCCAGAG	TGGCAGAGAA	AATCACCGTT
unknown_E602	TCCTGGGCTG	ACGCCGAGTG	GTTCCTGAAA	CGCCCTAAAC	TGGCTGAAAA	AATCACCGTC
unknown_Ejp617	TCCTGGGCTG	ACGCCGAGTG	GTTCCTGAAA	CGCCCTAAGC	TGGCAGAAAA	AATCACCGTC
unknown_QL-Z3	TCCTGGGCTG	ATGCTGAGTG	GTATCTGTCA	CGTCCCAGAG	TGGCAGAAAA	ACTCACCGTT

ecoli_K12	ACCTGCTTCA	AAGTCACGGG	CGAAACCAAC	ACCGATGACC	TTTCTCCGGC	ACCGGATGCC
C_E_dadicola	ACCGTGTTTA	AAGTGACCGG	CGAAACCAAT	ACCGACGACC	TGTCTCCGGC	GCCGGATGCT
C_E_haradaeae	ACAGTGTTTA	AAGTAACTGG	CGAGAGTAAT	ACTGATGACT	TATCTCCGAG	TCCGGATGCA
E_amylovora	ACCGTGTTCA	AAGTGACCGG	CGAAACCAAT	ACCGACGACC	TCTCTCCGGC	ACCGGATGCC
E_aphidicola	ACCGTGTTCA	AAGTGACCGG	CGAAACCAAT	ACCGACGACC	TCTCTCCGGC	GCCGGATGCC
E_billingiae	ACCGTGTTCA	AAGTGACCGG	CGAAACCAAC	ACCGATGACC	TGTCTCCGGC	CCCGGATGCC
E_endophytica	ACCGTCTTCA	AAGTCACCGG	CGAAACCAAT	ACCGATGACT	TGTCTCCGGC	TCCTGATGCC
E_iniecta	ACCGTGTTTA	AAGTGACCGG	TGAAACCAAT	ACCGATGACC	TTTCTCCGGC	ACCGGATGCC
E_mallotivora	ACCGTCTTCA	AAGTGACCGG	CGAAACCAAT	ACCGATGACC	TCTCTCCGGC	TCCTGATGCC
E_oleae	ACCGTGTTTA	AAGTGACCGG	TGAAACCAAC	ACTGACGATC	TCTCTCCGGC	GCCGGATGCC
E_persicina	ACCGTGTTTA	AAGTGACCGG	CGAAACCAAT	ACCGACGACC	TCTCTCCGGC	GCCGGATGCC
E_phyllosphaerae	ACCGTATTCA	AAGTGACCGG	CGAAACCAAC	ACCGACGATC	TTTCTCCGGC	TCCTGACGCC
E_piriflorinigrans	ACCGTGTTTA	AAGTGACCGG	CGAGACCAAT	ACCGACGATC	TTTCCCCAGC	GCCGGATGCC
E_psidii	ACCGTGTTTA	AAGTGACCGG	CGAAACCAAT	ACCGATGATC	TCTCTCCGGC	ACCTGATGCC
E_pyrifoliae	ACCGTGTTTA	AAGTGACCGG	CGAAACCAAT	ACCGACGACC	TCTCTCCGGC	ACCGGATGCC
E_rhapontici	ACCGTGTTCA	AAGTGACCGG	CGAAACCAAT	ACCGACGACC	TCTCTCCGGC	GCCGGATGCC
E_tasmaniensis	ACCGTGTTTA	AAGTGACCGG	CGAGACCAAT	ACCGACGATC	TTTCCCCAGC	GCCGGATGCC
E_tracheiphila	ACCGTCTTCA	AAGTGACCGG	TGAAACCAAT	ACCGACGATC	TCTCTCCGGC	TCCTGACGCC
E_typographi	ACCGTGTTTA	AAGTGACCGG	CGAAACCAAC	ACTGATGACC	TGTCTCCGGC	GCCGGATGCC
P_agglomerans	ACAGTGTTTA	AAGTCACCTGG	CGAAACCAAC	ACCGACGATC	TCTCTCCGGC	CCAGGATGCC
P_beijingensis	ACCGTGTTTA	AAGTGACCGG	TGAAACCAAT	ACCGACGATC	TTTCTCCGGC	GCCGGATGCC
P_dispersa	ACCGTGTTCA	AAGTGACCGG	CGAAACCAAC	ACCGACGACC	TCTCTCCGGC	GCCGGATGCC
P_eucalypti	ACCGTGTTCA	AAGTCACCTGG	CGAAACCAAC	ACCGACGATC	TCTCTCCAGC	CCAGGATGCC
E_sorbitola	ACCGTGTTTA	AAGTGACCGG	CGAAACCAAT	ACCGACGACC	TCTCTCCGGC	GCCGGATGCC
E_toletana	ACCGTATTTA	AAGTCACCGG	CGAAACCAAC	ACCGATGACC	TTTCTCCGGC	ACCTGATGCC
unknown_DE2	ACCGTGTTTA	AAGTCACCTGG	CGAAACCAAC	ACTGATGATC	TCTCTCCGGC	ACCGGATGCC
unknown_E602	ACCGTGTTTA	AAGTGACCGG	CGAAACCAAT	ACCGACGACC	TCTCTCCGGC	GCCGGATGCC
unknown_Ejp617	ACCGTGTTTA	AAGTGACCGG	CGAAACCAAT	ACCGACGACC	TCTCTCCGGC	ACCGGATGCC
unknown_QL-Z3	ACCGTGTTCA	AAGTCACCGG	CGAAACCAAC	ACCGATGACC	TGTCTCCGGC	CCCGGATGCC

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ecoli_K12	TGGTCAACGCC	CGGATATCCC	ACTGCACGGG	CTGGCGATGC	TGAAAAACGC	CCGTGAAGGT
C_E_dacicola	TGGTCTCGCC	CGGATATTCC	ACTACACGGG	TTAGCGATGT	TGAAAAACGC	CCGTGAAGGC
C_E_haradaeae	TGGTCCCGTC	CTGATATTCC	GCTCCATGCC	CTAACCAATGC	TTAAATATCC	TCGTCAAGGT
E_amylovora	TGGTCAACGCC	CGGATATTCC	ACTGCACGGG	CTGGCGATGT	TGAAAAATGC	CCGTGAAGGG
E_aphidicola	TGGTCCGCGCC	CGGATATTCC	ACTGCACGGG	TTAGCGATGT	TGAAAAACGC	CCGCGAAGGC
E_billingiae	TGGTCCCGTC	CTGATATCCC	ACTGCACGGG	TTGGCGATGC	TGAAAAATGC	CCGTGAAGGC
E_endophytica	TGGTCCCGTC	CTGATATCCC	ATTGCATGGG	CTGGCCATGT	TGAAAAACGC	CCGTGAAGGC
E_iniecta	TGGTCAACGTC	CGGACATCCC	ACTGCACGGG	CTGGCGATGC	TGAAAAATC	ACGTGAAGGC
E_mallotivora	TGGTCCCGCC	CTGATATCCC	ATTGCATGGG	CTGGCGATGC	TGAAAAATCGC	CCGTGAAGGT
E_oleae	TGGTCTCGCC	CTGATATTCC	TCTGCACGGG	CTGGCGATGC	TGAAGAACGC	CCGCGAAGGC
E_persicina	TGGTCTCGCC	CGGATATTCC	CTGCATGGG	CTGGCGATGT	TGAAAAACGC	CCGTGAAGGC
E_phyllosphaerae	TGGTCCCGCC	CGGATATCCC	TCTGCACGGG	CTGGCGATGC	TGAAGAATGC	CCGCGAAGGT
E_piriflorinigrans	TGGTCCCGCC	CGGATATTCC	ACTGCACGGG	CTGGCAATGC	TGAAAAACGC	GCGTGAAGGC
E_psidii	TGGTCCCGCC	CTGATATTCC	CCTGCATCGG	CTGGCCATGC	TGAAAAATGC	CCGCGAGGGT
E_pyrifoliae	TGGTCCGCGCC	CGGATATTCC	ACTGCACGGG	CTGGCAATGT	TGAAAAATGC	CCGTGAAGGC
E_rhapontici	TGGTCTCGCC	CGGATATTCC	ACTGCACGGG	CTGGCGATGT	TGAAAAACGC	CCGTGAAGGC
E_tasmaniensis	TGGTCCCGTC	CTGATATTCC	CCTGCACGGG	CTGGCCATGC	TGAAAAACGC	GCGTGAAGGC
E_tracheiphila	TGGTCCCGCC	CTGATATTCC	TCTGCACGGG	CTGGCTATGC	TGAAAAACGC	CCGTGATGGT
E_typographi	TGGTCCCGCC	CTGATATCCC	ACTGCACGGG	CTGGCGATGC	TGAAAAATGC	CCGTGAAGGC
P_agglomerans	TGGTCAACGTC	CAGACATTCC	TCTGCACGGC	CTGGCGATGC	TGAAAAATGC	CCGTGAAGGC
P_beijingensis	TGGTCCGCGTC	CGGATATCCC	ACTGCACGCT	TTAGCCATGC	TGAAAAATGC	CCGTGAAGGT
P_dispersa	TGGTCAACGTC	CGGATATTCC	ACTGCACGGG	CTGGCAATGC	TGAAAAACCC	ACGTGACGGC
P_eucalypti	TGGTCAACGTC	CGGACATTCC	CTGCACGGC	CTGGCGATGC	TGAAAAATGC	CCGTGAAGGC
E_sorbitola	TGGTCTCGCC	CGGATATTCC	ACTGCACGGG	CTGGCGATGT	TGAAAAACGC	CCGTGAAGGT
E_toletana	TGGTCAACGTC	CGGATATCCC	ACTGCATGGG	CTGGCGATGC	TGAAAAACCC	ACGTGAAGGC
unknown_DE2	TGGTCAACGTC	CTGATATTCC	GCTGCACGGG	CTGGCGATGC	TGAAAAATGC	CCGTGAAGGC
unknown_E602	TGGTCAACGCC	CGGATATTCC	ACTGCACGGG	CTGGCAATGC	TGAAAAACGC	CCGTGACGGC
unknown_Ejp617	TGGTCCGCGCC	CGGATATTCC	GCTGCACGGG	CTGGCGATGT	TGAAAAATGC	CCGTGAAGGC
unknown_QL-Z3	TGGTCCCGTC	CTGATATCCC	ACTGCACGGG	TTGGCGATGC	TGAAAAATGC	CCGTGAAGGC

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ecoli_K12	ATTGAGCCAG	ACCAGCCTGG	TGTTGTTGGT	CCGATCAAGC	AAATCGAAGC	TCTGCAACAG
C_E_dacicola	ATCGAACCCG	ATGATGCGGG	TAAAGTTGGC	CCGATCAAAC	AGATCGAAGC	CCTACAGCAA
C_E_haradaeae	ATTATACCGG	ATAAGGAAGG	ACACATAGGT	CCCATCAAAC	AGATTAAAT	GTTACAAAAG
E_amylovora	ATAGATCCGG	ATGAAGCAGG	CAACGTAGGT	CCAAATCAAAC	AGATTGAAGC	CTTACATAAA
E_aphidicola	ATCGAACCCG	ATGATGCGGG	TAAAGTTGGC	CCGATCAAAC	AGATTGAAGC	CCTGCAGCAA
E_billingiae	ATTGAGCCAG	ACGACGCCGG	CAATGTTGGC	CCAATCAAAGC	AGATTGAAGC	GCTGCAGGCG
E_endophytica	ATAGAACCAG	ACGAGCCTGG	CAATATCGGT	CCGATCAAAC	AGATCGAAGC	CCTGAAGACA
E_iniecta	ATCGAACCCG	ACGAAGCGGG	TAAAGTTGGT	CCAATCAAAGC	AGATCGAAGC	GCTGAACAG
E_mallotivora	ATTGAGCCTG	ACGACGCTGG	CAATATTGGC	CCAATTAAGC	AGATCGAAGC	CCTGACGGAA
E_oleae	ATTGAGCCGA	ACGAGCCGGG	TAAATCTGGC	CCGATCAAAC	AGATTGAAGC	GCTCCAGGCG
E_persicina	ATCGAACCCG	ATGATGCGGG	TAAAGTTGGC	CCGATCAAAC	AGATTAAAGC	ATTACAGGCT
E_phyllosphaerae	ATCGAGCCGG	ACCAGCCAGG	CAACGTGGC	CCAATCAAAC	AGATTGAAGC	GCTGCAGGCC
E_piriflorinigrans	ATCGAACCCG	ATGACGCTGG	CAATGTAGGC	CCCATCAAAGC	AGATCGATGC	CTTACAAGAA
E_psidii	ATTGAACCCG	ATGACGCTGG	CAATATTGGC	CCGATTAAGC	AGATCGAAGC	CTTACAGGAA
E_pyrifoliae	ATCGAACCCG	ACGATGCAGG	TAAAGTAGGC	CCAATCAAAC	AGATTGAACA	CCTACAGGAA
E_rhapontici	ATCGAACCCG	ACGATGCTGG	TAAAGTAGGC	CCGATCAAAC	AGATCGAAGC	ATTACAGGCT
E_tasmaniensis	ATCGAACCCG	ACGATGCGGG	CAACGTGGT	CCGATCGGAC	AGATCGACGC	GCTACAGAAA
E_tracheiphila	ATTGAACCCG	ATGATGCAGG	TAAATTTGGC	CCGATCAAAGC	AGATCGAAGC	CTTGCAGCAG
E_typographi	ATTGAGCCAG	ACGACGTCGG	CAACGTGGGT	CCGATCAAAGC	AGATTGAAGC	GCTGCAGGCG
P_agglomerans	ATTGAGCCTG	ATGACGCGGG	CAATATCGGC	CCGATCAAAC	AGATCGAAGC	TCTGAAGACC
P_beijingensis	ATCGAACCCG	ACGATGCGGG	TAAAGTTGGC	CCGATTAAGC	AGATTGAAGC	ACTGCAGGCT
P_dispersa	ATCGAACCCG	ACGATGCTGG	CAACATTGGC	CCGATCAAAC	AGATTGAAGC	TCTGCAGCAG
P_eucalypti	ATTGAGCCGG	ATGAGGCAGG	CAACATCGGT	CCGATCAAAC	AGATCGAAGC	GCTTAAGACC
E_sorbitola	ATCGAACCCG	ACGATGCTGG	TAAAGTAGGC	CCGATCAAAC	AGATCGAAGC	ATTAAAAGCA
E_toletana	ATCGAACCCG	ACGATGCGGG	TAAAGTCGGT	CCGATTAAGC	AGATTGAAGC	GCTGGATAAG
unknown_DE2	ATTGAGCCAG	ACGAGGCGGG	CAACGTAGGC	CCAATCAGAC	AGATTGAAGC	GCTGAAGACC
unknown_E602	ATCGAACCCG	ACGATGCGGG	CAACGTGGC	CCGATCAAAC	AGATCGAAGC	GCTGCAGCAG
unknown_Ejp617	ATCGAACCCG	ACGATGCAGG	TAAAGTAGGC	CCAATCAAAC	AGATTGAACA	CCTACAGGAA
unknown_QL-Z3	ATTGAGCCAG	ACGACGCCGG	CAATGTTGGC	CCAATCAAAGC	AGATTGAAGC	GCTGCAGGCG

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ecoli_K12	AAAGGGTTTCC	CGGTGGCGTA	CGTGGGTGAC	GTGTGGGTA	CCGGTTCTTC	GCGTAAATCC
C_E_dadicola	AAAGGGTTTCC	CGGTGACCTA	CGTGGGTGAC	GTGGTCCGTA	CCGGTTCTTC	ACGTAAATCC
C_E_haradaeae	AAAGGGTTTTC	CTGTAGCTTA	TGTTGGTGAT	ATTATTTGGTA	CTGGTTTCATC	ACGCAAAATCA
E_amylovora	AAAGGGTTTCC	CGGTGGCGTA	CGTGGGTGAC	GTGGTCCGTA	CCGGATCTTC	GCGTAAATCG
E_aphidicola	AAAGGGTTTCC	CGGTGACCTA	CGTAGGTGAC	GTGGTCCGTA	CCGGTTCTTC	ACGTAAATCC
E_billingiae	AAAGGGTTTCC	CTCTTGCTTA	CGTGGGTGAC	GTGTGTCGGCA	CCGGTTTCATC	GCGTAAATCC
E_endophytica	AAAGGGTTTCC	CGTGGCGCTA	TGTGGGCGAT	GTGGTTCGGCA	CCGGATCGTC	GCGTAAATCC
E_iniecta	AAAGGGTTTTC	CGGTGGCGTA	TGTGGGCGAT	GTGGTCCGTA	CTGGTTCTTC	GCGTAAATCC
E_mallotivora	AAGGGATTCC	CTCTGGCGTA	TGTGGGTGAT	GTGGTCCGTA	CTGGCTCCTC	ACGTAAATCT
E_oleae	AAAGGGTATC	CGGTGGCGTA	CGTGGCGAC	GTGGTGGGAA	CCGGTTCTTC	CCGTAAATCC
E_persicina	AAAGGGTTTCC	CGGTGACCTA	CGTGGGTGAC	GTGGTCCGTA	CCGGTTCTTC	GCGTAAATCT
E_phyllosphaerae	AAAGGGTTTCC	CGGTGGCGTA	CGTGGCGAC	GTGTGTCGGCA	CCGGTTCTTC	CCGTAAATCC
E_piriflorinigrans	AAAGGGTTTCC	CGGTGGCGTA	TGTGGGTGAT	GTGGTTCGGTA	CCGGCTCTTC	GCGTAAATCG
E_psidii	AAGGGATTCC	CGGTGGCGTA	TGTGGGCGAT	GTGGTGGGTA	CCGGCTCCTC	GCGTAAATCT
E_pyrifoliae	AAAGGGTTTTC	CTTTGGCTTA	CGTGGGTGAC	GTGGTTGGCA	CCGGTTCTTC	GCGTAAATCG
E_rhapontici	AAAGGGTTTCC	CACTGACCTA	CGTTGGTGAT	GTGGTCCGTA	CAGGTCTCTC	GCGTAAATCC
E_tasmaniensis	AAAGGGTTTTC	CTCTGGCTTA	CGTGGGTGAC	GTGGTTCGGTA	CAGGTCTCTC	GCGTAAATCG
E_tracheiphila	AAAGGGTTTTC	CGGTGGCGTA	CGTGGGTGAT	GTGGTCCGTA	CAGGTCTCTC	CCGTAAATCC
E_typographi	AAAGGGTTTCC	CTCTGGCGTA	TGTGGGAGAC	GTGTGTCGGGA	CCGGTTCTTC	CCGTAAATCC
P_agglomerans	AAAGGGTTTCC	CGGTGGCGTA	TGTGGGTGAT	GTGTGTCGGAA	CCGGTTCTTC	ACGTAAATCC
P_beijingensis	AAAGGGTTTCC	CGGTGGCGTA	TGTGGGTGAC	GTGTGTCGGTA	CCGGTTCTTC	GCGTAAATCT
P_dispersa	AAAGGGTTTCC	CGGTGACCTA	CGTGGGTGAC	GTGGTTCGGTA	CCGGTTCTTC	ACGTAAATCC
P_eucalypti	AAAGGGTTTCC	CGGTGGCGTA	CGTGGGTGAC	GTGGTTCGGAA	CCGGTTCTTC	GCGTAAATCT
E_sorbitola	AAAGGGTTTCC	CGGTGACCTA	CGTGGGTGAC	GTGGTCCGTA	CCGGTTCTTC	GCGTAAATCT
E_toletana	AAAGGGTATC	CGGTGGCGTA	CGTGGGTGAC	GTGGTCCGTA	CCGGTTCTTC	ACGTAAATCC
unknown_DE2	AAAGGGTTTCC	CTCTGGCTTA	CGTGGGTGAC	GTGGTCCGAA	CAGGTCTCTC	CCGTAAATCC
unknown_E602	AAAGGGTTTCC	CGGTGACCTA	CGTGGGTGAC	GTGGTCCGTA	CCGGTTCTTC	CCGTAAATCC
unknown_Ejp617	AAAGGGTTTTC	CTTTGGCTTA	CGTGGGTGAC	GTGGTTCGGCA	CCGGTTCTTC	ACGTAAATCG
unknown_QL-Z3	AAAGGGTTTCC	CTCTGGCGTA	CGTGGGTGAC	GTGTGTCGGCA	CCGGTTCTTC	GCGCAAAATCC

901

ecoli_K12	GCCACTAACT	CGGTGCTGTG	GTTTATGGGC	GATGATATTC	CACATGTGCC	GAACAAACGC
C_E_dadicola	GCCACCAACT	CGGTGCTGTG	GTTTATGGGT	GACGATATCC	CTTACGTGCC	AAACAAAAAG
C_E_haradaeae	GCTGCAAAAT	CAGTTTATG	GTTTATGGGA	GAACAAATTC	CATACATCCC	GAACAAGAAG
E_amylovora	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GACGATATTC	CTTACGTGCC	AAATAAGAAG
E_aphidicola	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GACGATATTC	CTTACGTGCC	AAACAAGAAG
E_billingiae	GCCACCAACT	CGGTGCTGTG	GTTTATGGGT	GATGACCTGC	CGTTTGTGCC	GAACAAGAAA
E_endophytica	GCGACTAACT	CAGTACTGTG	GTTTATGGGG	CATGACATCC	CGTATGTGCC	GAATAAAAAA
E_iniecta	GCCACCAACT	CGGTGCTGTG	GTTTATGGGT	GATGACATCC	CTAACGTGCC	GAACAAAAAA
E_mallotivora	GCCACCAACT	CGGTGCTGTG	GTTTATGGGT	GAAGACATCC	CGTTTGTGCC	GAACAAGAAA
E_oleae	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GACGACATCC	CCTTTGTGCC	GAATAAAAAA
E_persicina	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GACGACATTC	CTTACGTGCC	GAACAAGAAA
E_phyllosphaerae	GCTACCAACT	CGGTGCTGTG	GTTTATGGGC	GACGACATCC	CATACGTGCC	AAACAAAAAA
E_piriflorinigrans	GCGACCAACT	CGGTGCTGTG	GTTTATGGGC	GATGATATTC	CCATATGTCCC	CAATAAGAAG
E_psidii	GCCACTAACT	CGGTGCTGTG	GTTTATGGGA	GAAGACATTC	CTTTTGTGCC	GAATAAAAAA
E_pyrifoliae	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GATGATATCC	CCAACGTGCC	AAATAAGAAG
E_rhapontici	GCTACCAACT	CGGTGCTGTG	GTTTATGGGC	GACGATATTC	CTTACGTGCC	GAACAAGAAG
E_tasmaniensis	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GACGATATTC	CTTACGTGCC	AAATAAAAAA
E_tracheiphila	GCCACCAACT	CTGTGCTGTG	GTTTATGGGA	GACGACATTC	CTTACGTGCC	GAACAAAAAA
E_typographi	GCCACTAACT	CGGTGCTGTG	GTTTATGGGC	GACGATATCC	CTTACGTACC	GAACAAGAAA
P_agglomerans	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GACGACATCC	CGAACGTGCC	AAATAAAAAA
P_beijingensis	GCGACTAACT	CGGTGCTGTG	GTTTATGGGC	GATGATCTCC	CATTCGTACC	CAACAAAAAA
P_dispersa	GCGACCAACT	CAGTGCTGTG	GTTTATGGGT	GACGACATTC	CGTATGTGCC	GAACAAAAAA
P_eucalypti	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GACGACATCC	CGAACGTGCC	AAATAAAAAA
E_sorbitola	GCCACCAACT	CGGTGCTGTG	GTTTATGGGT	GACGATATTC	CTTACGTGCC	AAACAAGAAG
E_toletana	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GATGACATCC	CTTACGTGCC	GAACAAAAAA
unknown_DE2	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GATGACATCC	CTTACGTGCC	GAACAAAAAA
unknown_E602	GCCACCAACT	CGGTGCTGTG	GTTTATGGGC	GATGACATCC	CTTACGTGCC	GAACAAGAAA
unknown_Ejp617	GCCACCAACT	CGGTGCTGTG	GTTTATGGGT	GACGATATCC	CCAACGTGCC	AAATAAAAAA
unknown_QL-Z3	GCCACCAACT	CGGTGCTGTG	GTTTATGGGT	GATGACCTGC	CGTTTGTGCC	GAACAAGAAA

961

ecoli_K12	GGGGGTTGGT	TGTGCCTCGG	CGGTAAAAAT	GCACCCATCT	TCTTTAACAC	GATGGAAGAC
C_E_dadicola	GGGGGGGGCG	TCTGCCTCGG	CGGTAAAAATC	GCGCCGATCT	TCTTCAACAC	CATGGAAGAT
C_E_haradaeae	AGAGGTGGTG	TATGCTTAGG	TGGGAAAAAT	GCCCCATTTT	T'TTTTAATAC	TATGGAAGAT
E_amylovora	GCTGGCGGCG	TGTGCCTTGG	CGGCAAGATC	GCACCCATTT	TCTTCAACAC	CATGGAAGAT
E_aphidicola	GGGGGGGGTG	TCTGCCTCGG	CGGTAAAAATC	GCGCCGATCT	TCTTCAACAC	CATGGAAGAT
E_billingiae	GGGGGGGGCG	TGGTACTGGG	CAGCAACATT	GCCCCGATCT	TCTTCAACAC	CATGGAAGAT
E_endophytica	AGGGGGGGTG	TGGTGCTGGG	CAACAATATC	GCGCCGATTT	TCTTCAATAC	CATGGAAGAT
E_iniecta	GGGGGTGGCG	TGGTGCTGGG	CGGTAAAAATC	GCACCCATCT	TCTTCAATAC	CATGGAAGAT
E_mallotivora	GGGGGGGGCG	TGGTGCTGGG	TGGAAAAATC	GCGCCAATCT	TCTTTAACAC	CATGGAAGAT
E_oleae	GGGGGGGGCG	TGGTACTGGG	CGGTAAAAATC	GCCCCCATTT	TCTTCAACAC	CATGGAAGAT
E_persicina	GGGGGGGGCG	TCTGCCTCGG	CGGTAAAAATC	GCGCCATCT	TCTTCAACAC	CATGGAAGAT
E_phyllosphaerae	GGGGGGGGCG	TCTTGCTGGG	CGGTAAAAATC	GCGCCAATTT	TCTTCAACAC	GATGGAAGAT
E_piriflorinigrans	GGGGGGGGCG	TGTGCCTCGG	CGGCAAAATC	GCACCGATTT	TCTTTAACAC	GATGGAAGAT
E_psidii	GGGGGGGGCG	TGGTGCTGGG	CGGTAAAAATC	GCGCCGATCT	TCTTCAATAC	TATGGAAGAT
E_pyrifoliae	GGTGGCGGCG	TGTGCCTGGG	CGGCAAGATC	GCACCCATTT	TCTTCAACAC	GATGGAAGAT
E_rhapontici	GGGGGTGGCG	TCTGCCTCGG	CGGTAAAAATC	GCACCTATCT	TCTTTAACAC	GATGGAAGAT
E_tasmaniensis	GGGGGGGGTG	TCTGCCTCGG	CGGTAAAAAT	GCCCCCATTT	TCTTCAATAC	CATGGAAGAT
E_tracheiphila	GGGGGGGGCG	TGGTGCTCGG	CGGTAAAAAT	GCGCCGATCT	TCTTCAATAC	GATGGAAGAT
E_typographi	GGGGGGGGCG	TGGTACTGGG	CAACAACATT	GCGCCAATCT	TCTTCAACAC	CATGGAAGAT
P_agglomerans	GGGGGGGGCG	TGGTGCTGGG	CAGCAAAAT	GCACCCATCT	TCTTCAACAC	CATGGAAGAT
P_beijingensis	GGGGGGGGCG	TGTGCCTGGG	CGGAAAAAT	GCGCCAATTT	TCTTTAACAC	TATGGAAGAT
P_dispersa	GGGGGGGGTG	TGTGCCTCGG	CGGTAAAAATC	GCGCCGATCT	TCTTCAACAC	CATGGAAGAT
P_eucalypti	GGGGGGGGCG	TGGTGCTGGG	CAGCAAAAT	GCGCCAATCT	TCTTCAACAC	CATGGAAGAT
E_sorbitola	GGGGGGGGTG	TCTGCCTCGG	CGGTAAAAATC	GCCCCATCT	TCTTTAACAC	CATGGAAGAT
E_toletana	GGGGGGGGCG	TGGTGCTCGG	CGGTAAAAATC	GCGCCAATTT	TCTTCAATAC	GATGGAAGAT
unknown_DE2	GGGGGGGGCG	TGGTGCTGGG	CAGCAACATT	GCGCCATCT	TCTTCAACAC	CATGGAAGAC
unknown_E602	GGGGGGGGCG	TCTGCCTCGG	CGGTAAAAATC	GCGCCAATCT	TCTTTAACAC	CATGGAAGAT
unknown_Ejp617	GGTGGCGGCG	TGTGCCTGGG	CGGCAAGATC	GCACCGATTT	TCTTCAACAC	GATGGAAGAT
unknown_QL-Z3	GGGGGGGGCG	TGGTACTGGG	CAGCAACATT	GCCCCGATCT	TCTTCAACAC	CATGGAAGAT

1021

ecoli_K12	GCGGGTGCAC	TGCCAATCGA	AGTCGACGTC	TCTAACCTGA	ACATGGGCGA	CGTGATTGAC
C_E_dadicola	GCCGGGCGAC	TGCCGATCGA	AGTGGACGTT	AAATCGTCTGA	ATATGGGCGA	TGTGATCGAC
C_E_haradaeae	GCAGGTGCAT	TACCCATTGA	AGTTGATGTT	TCAAGAATAC	ACATGGGTAA	TGTTATTGAT
E_amylovora	GCTGGCGGCG	TACCCATTGA	AGTGGACGTA	GATCGTCTGA	ATATGGGCGA	TGTGATTGAT
E_aphidicola	GCCGGGCGAC	TGCCGATCGA	AGTGGACGTT	GACCGTCTGA	ATATGGGCGA	TGTGATCGAC
E_billingiae	GCGGGGCGAT	TGCCAATCGA	AGTGGATGTG	GCGAACCTGA	ATATGGGCGA	TGTGATTGAC
E_endophytica	GCAGGGCGGC	TGCCGATTGA	ACTGGACGTA	CAAAAACTGA	ATATGGGTGA	TGTTATCGAC
E_iniecta	GCCGGGCGAC	TGCCGATCGA	AGTCGATGTC	GATAACCTGA	ATACCGGCGA	TGTCATTGAT
E_mallotivora	GCGGGGGGCG	TGCCGATTGA	AGTCGATGTC	GATAAGCTGA	ATATGGGCGA	TGTGATTGAC
E_oleae	GCGGGGCGAC	TGCCAATTGA	AGTGGATGTC	GATAACCTGA	ACATGGGCGA	CGTGATTGAC
E_persicina	GCGGGGCGAC	TGCCGATTGA	AGTGGATGTT	GACCGCCTGA	ATATGGGCGA	TGTCATCGAC
E_phyllosphaerae	GCGGGGCGGC	TGCCAATCGA	GGTGGACGTT	GATAAGCTGA	ATATGGGCGA	TGTTATTGAC
E_piriflorinigrans	GCCGGTGGCT	TACCGATTGA	AGTCGACGTC	GATTGTCTGA	ATATGGGCGA	TGTGATTGAT
E_psidii	GCGGGTGGTC	TGCCGATTGA	AGTGGATGTA	GACAAGCTGA	ATATGGGTGA	TGTGATCGAC
E_pyrifoliae	GCTGGGCGGC	TGCCGATTGA	AGTGGACGTA	GACCGTCTGA	ATATGGGCGA	TGTGATTGAT
E_rhapontici	GCAGGGCGAC	TGCCAATTGA	AGTCGATGTT	GACCGTCTGA	ATATGGGCGA	TGTTATCGAC
E_tasmaniensis	GCTGGCGCAT	TGCCCATTGA	AGTTGACGTC	GATCGTCTGA	ATATGGGCGA	TGTGATTGAT
E_tracheiphila	GCGGGGCGAC	TGCCGATTGA	GCTGGATGTT	GACCAGCTCA	ACATGGGCGA	TGTGATCGAC
E_typographi	GCGGGGCGAC	TGCCAATTGA	AGTGGATGTT	CAGAACCTGA	ATATGGGTGA	TGTCATCGAC
P_agglomerans	GCGGGGCGAC	TGCCCATTGA	AGTGGACGTA	AACAACCTGA	ACATGGGCGA	TGTGATCGAC
P_beijingensis	GCTGGTGCAC	TGCCGATCGA	AGTGGATGTT	GATCAACTGA	ACACCGGCGA	TGTGATCGAT
P_dispersa	GCCGGGCGGC	TGCCGATCGA	ACTCGACGTT	GAGCGCCTGA	ACATGGGCGA	TGTGATTGAC
P_eucalypti	GCAGGGCGAC	TGCCGATTGA	AGTTGACGTC	AACAACCTGA	ACATGGGTGA	TGTCATCGAC
E_sorbitola	GCAGGGCGAC	TGCCGATTGA	AGTGGACGTT	GACCGTCTGA	ATATGGGCGA	TGTTATCGAT
E_toletana	GCCGGTGCAC	TGCCGATCGA	AGTAGACGTC	GATAACCTGA	ATACCGGCGA	TGTGATTGAT
unknown_DE2	GCAGGGCGAC	TGCCGATTGA	AGTGGATGTG	GCAAACTGA	ACATGGGCGA	TGTCATCGAC
unknown_E602	GCCGGTGGGC	TGCCGATCGA	AGTCGACGTC	GACAGGCTGA	ATATGGGCGA	TGTGATCGAC
unknown_Ejp617	GCTGGGCGGC	TGCCGATTGA	AGTGGACGTA	GACCGTCTGA	ATATGGGCGA	TGTGATTGAT
unknown_QL-Z3	GCGGGGCGAC	TGCCAATCGA	AGTGGCTGTG	GCGAACCTGA	ATATGGGCGA	TGTGATTGAC

1081

ecoli_K12	GTTTACCCGT	ACAAAGGTGA	AGTGGCTAAC	CACGAAACCG	GCGAAGTGCT	GGCGACCTTC
C_E_dacicola	ATCTATCCCT	ACAAAGGCGA	AGTGGCCAAT	CACGAAACCG	ATGAAGTGCT	GGCTAATTTT
C_E_haradaeae	ATTTACCCAT	ACCGTGGTGA	AAATCGTGAT	CATGACACAA	ATCTACTTCT	GTCTCGCTTT
E_amylovora	ATCTACCCCT	ATAAAGGTGA	AGTGGCCAAC	CGCGAAACAG	GTGAATTGCT	GGCTGACTTC
E_aphidicola	ATCTATCCCT	ACAAAGGCGA	AGTGGCTCAT	CACGAAACCG	GTGAAGTGCT	GGCTAATTTT
E_billingiae	ATCTACCCGT	ACAAAGGCGA	AGTGAAGAAC	CACGAAACCG	GCGAAGTGCT	GGCGACCTTC
E_endophytica	ATTTATCCAT	ACCAAGGCGA	AGTGAAGCAC	CACGAGAGCG	GTGAAGTGCT	GGCGACCTTT
E_iniecta	ATCTATCCCT	ACAAAGGCGA	AGTGGCCAAT	CATGACACCG	GTGAGGTGCT	GGCGAATTTT
E_mallotivora	ATTTTCCCGT	ACAAAGGTGA	AGTGGCTGAAT	CATGAAACCG	GTGAAGTGCT	GGCTAATTTT
E_oleae	ATCTTCCCTT	ATAAAGGCGA	AGTGGCTAAC	CATCTTACCG	GCGACGTGCT	GGCAACCTTT
E_persicina	ATCTACCCGT	ATAAAGGTGA	AGTCCGCAAT	CATGATACCG	GTGAAGTGCT	GGCTAATTTT
E_phyllosphaerae	ATCTATCCCT	ATAAAGGCGA	AGTGGCTAAC	CACGAAACCG	GCGAAGTACT	GGCGAATTTT
E_piriflorinigrans	ATCTATCCCT	ATAAAGGCGA	AGTACGTCAT	CACGAAACCG	GCGAAGTGCT	GGCTAATTTT
E_psidii	ATCTTCCCAT	ACAAAGGTGA	AGTGGCTGAAC	CACGAAACCG	GTGAAGTGCT	GGCAACCTTT
E_pyrifoliae	ATCTATCCCT	ATAAAGGTGA	AGTGGCCAAC	CATGAAACAG	GCGAAGTGCT	GGCTAATTTT
E_rhapontici	ATCTATCCGT	ATAAAGGTGA	AGTCCGCAAT	CACGACACCA	ACGAAGTTCT	GGCTAATTTT
E_tasmaniensis	ATCTATCCCT	ATAAAGGGGA	AGTCCGCCAT	CACGACACCG	ACGAAGTACT	GGCTAATTTT
E_tracheiphila	ATCTTCCCTT	ACACTGGCGA	AGTGAATAAT	CATGAAACCG	GAGACGTGCT	GTCCACCTTT
E_typographi	ATTTTCCCGT	ACAAAGGCGA	AGTGAATAAC	CACGAAACCG	GCGAAGTGCT	GGCGACCTTC
P_agglomerans	ATCTATCCAT	TCAAAGGCGA	AGTCCGCAAC	CACGAAACCA	ATGAGCTGCT	GGCCAGCTTC
P_beijingensis	ATCTGGCCTT	ATAAAGGTGA	AGTGTGTAAT	CACGAAACCG	GCGAAGTGCT	GGCTAATTTT
P_dispersa	GTTTACCCCT	ACAAGGGTGA	AGTACGCAAT	CACGAGACCA	ATGAATGCT	GGCGACCTTT
P_eucalypti	ATCTATCCGT	TAAAGGGCGA	AGTCCGCAAT	CACGAAACCA	ATGAAGTGCT	GGCTAATTTT
E_sorbitola	ATCTACCCAT	ATAAAGGTGA	AGTCCGTAAC	CATGAAACCG	GTGAAGTGCT	GGCTAATTTT
E_toletana	ATCTATCCCT	ATAAGGGCGA	AGTGGCTAAC	CATGATACCG	ATGAGGTACT	GGCGAATTTT
unknown_DE2	ATCTATCCCT	ACAAAGGTGA	AGTGAAGAAC	CATGAAACCG	GCGAAGTGCT	GGCAACCTTC
unknown_E602	ATCTACCCGT	ATAAAGGCGA	AGTGGCTAAC	CACGACACCG	ATGAAGTGCT	GGCAACCTTC
unknown_Ejp617	ATCTATACCT	ATAAAGGTGA	AGTGGCGAGC	CATGAAACAG	GCGAGGTGCT	GGCTAATTTT
unknown_QL-Z3	ATCTACCCGT	ACAAAGGCGA	AGTGAAGAAC	CACGAAACCG	GCGAAGTGCT	GGCGACCTTC

1141

ecoli_K12	GAACTGAAAA	CCGACGTGCT	GATTGATGAA	GTGCGTGCTG	GTGGCCGTAT	TCCGCTGATT
C_E_dacicola	GAACTGAAAA	CCAACGTGCT	GCTGGATGAA	GTGCGCGCGG	GTGGTCGTAT	TCCACTGATT
C_E_haradaeae	AAGCTAAAAA	ATCAAGATT	ATTGAATGAA	GTGCGTGCGG	GTGGGCGTAT	TCCATTGATT
E_amylovora	GCGCTGAAAA	CCGAAGTGCT	GCTGGATGAA	GTACGTGCGG	GCGGCGCGAT	TCCGCTGATT
E_aphidicola	GAACTGAAAA	CCAACGTGCT	GCTGGATGAA	GTGCGTGCGG	GTGGCCGTAT	TCCACTGATT
E_billingiae	TCACTGAAAA	CCGAAGTGCT	GCTGGACGAA	GTTCGCGCCG	GTGGCCGTAT	CCCGCTGATC
E_endophytica	GCGCTGAAAG	CCGACGTGCT	GCTGGATGAA	GTCCGTGCCG	GCGGTGCGAT	TCCGCTGATT
E_iniecta	GAACTGAAAA	CCGACGTACT	GCTTGATGAA	GTGCGTGCCG	GTGGTCGTAT	TCCACTGATT
E_mallotivora	GAGCTGAAAA	CCGAAGTGCT	GCTGGATGAA	GTTCGTGCGG	GTGGTCGTAT	TCCGCTGATT
E_oleae	GCGCTGAAAA	CCGAAGTGCT	GCTGGATGAA	GTCCGTGCCG	GTGGCCGTAT	CCCGCTGATT
E_persicina	GAGCTGAAAA	CCAACTGACT	GCTGGATGAA	GTGCGTGCCG	GTGGCCGTAT	CCCGCTGATC
E_phyllosphaerae	GAACTGAAAA	CCGACGTGCT	GCTTGATGAA	GTTCGTGCCG	GTGGCCGTAT	TCCGCTGATT
E_piriflorinigrans	GAGCTTAAAA	CCGAAGTGCT	ATTGGATGAA	GTCCGTGCCG	GTGGCCGTAT	TCCGCTGATT
E_psidii	GCGCTTAAAA	CCGATGTGCT	GCTGGACGAA	GTGCGTGCCG	GTGGTCGTAT	TCCGCTGATC
E_pyrifoliae	GCGCTGAAAA	CCGAAGTGCT	GCTGGATGAA	GTGCGGCGCG	GTGGCCGTAT	TCCCTGATT
E_rhapontici	GAACTGAAAA	CCAACTGACT	GCTGGATGAA	GTTCGTGCTG	GTGGCCGTAT	TCCACTGATC
E_tasmaniensis	GAGCTGAAAA	CCGAAGTGCT	GCTGGATGAA	GTCCGCGCCG	GTGGCCGTAT	TCCGCTGATT
E_tracheiphila	GAGCTGAAAA	CCGACGTGCT	GCTGGATGAG	GTGCGTGCCG	GAGGCGGTAT	TCCGCTAATT
E_typographi	TGCTGAAAA	CCGAAGTGCT	GCTGGATGAA	GTGCGGCGCG	GTGGCCGTAT	TCCGCTGATC
P_agglomerans	GAGCTCAAAA	CCGAAGTAGT	GATTGACGAA	GTGCGGCGCG	GTGGCCGTAT	TCCGCTGATC
P_beijingensis	GCGCTGAAAA	CCGACGTGCT	ACTTGATGAA	GTGCGTGCGG	GTGGACGTAT	TCCCTGATT
P_dispersa	GCGCTGAAAA	CCGAAGTGCT	GCTGGATGAA	GTGCGGCGCG	GTGGCCGTAT	TCCGCTGATT
P_eucalypti	GAACTCAAAA	CCGAAGTGGT	GATTGACGAA	GTGCGTGCCG	GTGGCCGTAT	TCCGCTGATC
E_sorbitola	GAACTGAAAA	CCAACGTGCT	GGTGGATGAA	GTTCGTGCTG	GTGGCCGTAT	TCCACTGATT
E_toletana	GAACTGAAAA	CCGACGTGCT	GCTCGACGAA	GTGCGTGCCG	GTGGCCGTAT	TCCACTGATT
unknown_DE2	GCGCTGAAAA	CCGAAGTGCT	GCTGGATGAA	GTTCGCGCTG	GTGGCCGTAT	CCCGCTGATC
unknown_E602	GAACTGAAAA	CCAACTGCT	GCTGGATGAA	GTGCGGCGCG	GTGGCCGTAT	CCCGCTGATT
unknown_Ejp617	GCGCTGAAAA	CCGAAGTGCT	GCTGGACGAA	GTGCGGCGCG	GTGGTCGTAT	TCCACTGATT
unknown_QL-Z3	TCACTGAAAA	CCGAAGTGCT	GCTGGACGAA	GTTCGCGCGG	GTGGCCGTAT	TCCACTGATC

1201

ecoli_K12	ATCGGGCGTG	GCCTGACCAC	CAAAGCGCGT	GAAGCACTTG	GTCTGCCGCA	CAGTGATGTG
C_E_dadicola	ATTGGTCGTG	GCCTGACTAC	CAAAGCTCGC	GAATCTCTCG	GTCTGCCGCA	CAGCGACGTG
C_E_haradaeae	ATTGGTCGTT	CTTTGACAAA	AAAGGCTCAA	AAATCTTCAAT	GTCTTATCAAT	TAGTAGAATT
E_amylovora	ATCGGTCGTG	GTTTAACCAC	CAAAGCCCGT	GAATCCCTGG	GTTTACCACA	CAGTGATGTG
E_aphidicola	ATCGGCCGTG	GCCTGACCAC	CAAAGCGCGT	GAATCTCTCG	GTCTGCCGCA	CAGCGACGTG
E_billingiae	ATCGGCCGTG	GCCTGACCAC	CAAAGCCCGT	GAATCTCTGG	GCCTGCCGCA	CAGCGAGGTG
E_endophytica	ATTGGTCGTG	GCCTGACGAG	CAAAGCGCGT	GAGTCTCTCG	GTCTGCCGCA	CAGCAAGGTG
E_iniecta	ATCGGTCGTG	GGCTGACCAG	CCGTGCGCGT	GAAGCGCTGG	GTCTGCCGCA	CAGCGATGTG
E_mallotivora	ATCGGACGTG	GCCTGACCAG	CAAAGCGCGT	GAATCCCTTG	GCCTGCCGCA	CAGTGACGTA
E_oleae	ATCGGTCGTG	GTCTGACCAC	CCGCGCGCGT	GAATCGCTCG	GCCTGCCGCA	CAGCAACGTG
E_persicina	ATTGGCCGTG	GCCTGACCAC	CAAAGCCCGC	GAATCTCTTA	ATCTGCCGCA	TAGCGATGTG
E_phyllosphaerae	ATCGGTCGTG	GTCTGACTAC	CAAAGCCCGT	GAAGCTTTAG	GTCTGCCGCA	CAGCGAAGTA
E_piriflorinigrans	ATCGGCCGTG	CTTTGACCAC	CAAAGCGCGC	GAATCTTTAG	GCCTGCCGCA	CAGCGATGTG
E_psidii	ATCGGGCGTG	GACTGACCAG	CAAAGCGCGT	GAATCCCTGG	GACTGCCGCA	CAGCGACGTG
E_pyrifoliae	ATCGGCCGTG	GCCTGACCAC	CAAAGCGCGC	GAATCTTTAG	GCCTGCCACA	CAGTGACGTG
E_rhapontici	ATCGGCCGTG	GCCTGACCAC	CAAAGCCCGC	GAATCTCTGA	ATCTGCCGCA	CAGTGATGTG
E_tasmaniensis	ATCGGCCGTG	GTTTAACCAC	CAAAGCGCGC	GAATCGTTAG	GCCTGCCGCA	CAGCGATGTG
E_tracheiphila	ATCGGACGTG	GACTGACCAG	CAAAGCGCGT	GAGTCTCTCG	GCCTGCCACA	CAGTGATGTG
E_typographi	ATCGGTCGTG	GCCTGACGAC	TAAAGCCCGT	GAATCTTTAG	GTCTGCCGCA	CAGCGATGTG
P_agglomerans	ATCGGTCGTG	GTCTGACCAC	CAAAGCGCGC	GAGTCGCTGG	GTCTGCCGCA	CAGCACCGTA
P_beijingensis	ATCGGGCGTG	GGTTAACCAC	TAAAGCGCGC	GAGTCTTTGG	GTCTGCCACA	TAGCGATGTG
P_dispersa	ATCGGTCGTG	GCCTGACCAC	CAAAGCGCGT	GAGTCGCTGG	GTCTGCCGCA	CAGCGATGTG
P_eucalypti	ATCGGTCGTG	GAAAGACCAC	CAAAGCGCGT	GAGTCACTGG	GTCTGCCGCA	CAGCACCGTA
E_sorbitola	ATTGGCCGTG	GTTTGACCAC	TAAAGCACGT	GAATCTCTCG	GTCTGCCGCA	CAGCAATGTG
E_toletana	ATCGGCCGTG	GACTGACCAG	CCGCGCGCGT	GAAGCGCTGG	GTCTGCCACA	CAGCGATGTG
unknown_DE2	ATCGGCCGTG	GCCTGACGAC	CAAAGCCCGT	GAAGCTTTGG	GTCTGCCAGA	GAGCAAGGTG
unknown_E602	ATCGGCCGTG	GTCTGACCAC	CAAGGCGCGT	GAAGCGCTGG	GCCTGCCGCA	CAGCGACGTG
unknown_Ejp617	ATCGGCCGTG	GTTTGACCAC	CAAAGCGCGC	GAATCTTTAG	GCCTGCCACA	CAGTGACGTG
unknown_QL-Z3	ATCGGCCGTG	GCCTGACCAC	CAAAGCCCGT	GAATCTCTGG	GCCTGCCGCA	CAGCGAGGTG

1261

ecoli_K12	TTCCGTCAGG	CGAAAAGATGT	CGCTGAGAGC	GATCGCGGCT	TCTCGCTGGC	GCAAAAAATG
C_E_dadicola	TTTGAGCAGG	CGAAAAGACGT	GGCCGCCAGC	ACACGTGGCT	TCTCACTGGC	ACAGAAAAATG
C_E_haradaeae	GTGCAACCAG	AACATAACCC	AATAGTAAGA	ACAGATGGTT	TTTCTTTTAGC	GCAAAAAATA
E_amylovora	TTCCGTCAGG	CGAAAAGACGT	GGCGGCCAGC	ACGCGCGGTT	TCTCACTGGC	TCAGAAAGATG
E_aphidicola	TTTGAGCAGG	CGAAAAGACGT	GGCGGCCAGC	ACCCGTGGCT	TCTCCCTGGC	GCAGAAAAATG
E_billingiae	TTCCGCCGTG	CGAAAAGACGT	GGCGGTCAGC	ACCCGTGGTT	ATTCACTGGC	GCAGAAAAATG
E_endophytica	TTCCGTCAGG	CGAAAAGACGT	GGCGGCCAGC	AGTCGTGGCT	TCTCGCTGGC	GCAGAAAAATG
E_iniecta	TTCCGCCGTG	CGAAAAGATGT	GGCAGAGAGC	AGCCGCGGCT	TCTCACTGGC	ACAGAAAAATG
E_mallotivora	TTCCGCCAGG	CGAAAAGATGT	TGCTGCAAGC	AGCCGTGGCT	ACTCTCTGGC	ACAGAAAAATG
E_oleae	TTCCGCCAGG	CGAAAAGACGT	GGCGGTGAGC	ACGCGCGGCT	TCTCGCTGGC	GCAGAAAAATG
E_persicina	TTCCGAGCAGG	CGAAAAGACGT	GGCAGCCAGC	ACCCGTGGTT	TCTCACTGGC	GCAGAAAAATG
E_phyllosphaerae	TTCCGTCAGG	CGAAAAGACGT	GGCGGAAAGC	ACCCGCGGCT	ACTCGCTGGC	ACAGAAAAATG
E_piriflorinigrans	TTCCGTCAGG	CGAAAAGACGT	TGCGGCCAGC	ACGCGTGGTT	TCTCACTGGC	GCAGAAAGATG
E_psidii	TTCCGCCAGG	CGAAAAGATGT	TGCTGAAAGC	ACCCGTGGCT	ACTCACTGGC	ACAGAAAAATG
E_pyrifoliae	TTCCGTGAGG	CGAAAAGACGT	TGCGGCCAGC	ACGCGTGGTT	TTTCACTGGC	GCAGAAAGATG
E_rhapontici	TTCCGAGCAGG	CGAAAAGATGT	GGCAGCCAGT	ACCCGTGGCT	TCTCACTGGC	GCAGAAAAATG
E_tasmaniensis	TTCCGTGAGG	CGAAAAGACGT	TGCGGCCAGC	ACGCGTGGTT	TCTCTCTGGC	GCAGAAAGATG
E_tracheiphila	TTCCGCCAGG	CGAAAAGACGT	GGCGGCAAGC	ACCCGCGGCT	ACTCGCTGGC	GCAGAAAAATG
E_typographi	TTCCGTCAGG	CGAAAAGACGT	GGCGGCAAGC	ACCCGTGGTT	TCTCGCTGGC	GCAGAAAAATG
P_agglomerans	TTCCGTCAGG	CGAAAAGATGT	CGCGGAGAGC	ACCCGTGGTT	TCTCGCTGGC	GCAGAAAAATG
P_beijingensis	TTCCGTGAGG	CGAAAAGATGT	GGCGCAGAGT	ACCCGCGGTT	TCTCGCTGGC	GCAGAAAAATG
P_dispersa	TTCAACAAAG	CCAAAAGATGT	GGCTGAAAGC	AACCGTGGTT	ACTCGCTGGC	GCAGAAAAATG
P_eucalypti	TTCCGTCAGG	CGAAAAGATGT	TGCGGAGAGC	ACCCGTGGCT	TCTCACTGGC	GCAGAAAAATG
E_sorbitola	TTTGAGCAGG	CGAAAAGATGT	CGCTGCCAGC	ACCCGTGGAT	TCTCACTGGC	GCAGAAAAATG
E_toletana	TTCCGCCGTG	CGAAGGACGT	TGCCGAGAGC	AGCCGTGGCT	TCTCTCTGGC	GCAGAAAGATG
unknown_DE2	TTCCGCATCG	CGAAAAGACGT	GGCGCCAAAGT	ACCCGTGGCT	ACTCGCTGGC	ACAGAAAAATG
unknown_E602	TTCCGAACAGG	CGAAAAGACGT	GGCGGAAAGC	AGCCGCGGCT	ACTCGCTGGC	GCAGAAAGATG
unknown_Ejp617	TTCCGTGAGG	CGAAAAGACGT	TGCGGCCAGC	ACGCGTGGTT	TTTCACTGGC	GCAGAAAGATG
unknown_QL-Z3	TTCCGCCGTG	CGAAAAGACGT	GGCGGTCAGC	ACCCGTGGTT	ACTCACTGGC	GCAGAAAAATG

1321

ecoli_K12	GTAGGCGGTG	CCTGTGGCGT	GAAAGGCATG	CGTCCGGGCG	CGTACTGTGA	ACCGAAAAATG
C_E_dadicola	GTTGGTCGCG	CCTGTGGCGT	TGACGGCGTG	CGCCCTAGCG	CATACTGC GA	ACCGAAAAATG
C_E_haradaeae	GTTGGCGGCG	CTTGTGGACT	TAAAGGAATC	CTGCCAGGTA	CTTACTGTGA	GCCTGTGATT
E_amylovora	GTGGGCGGTG	CATGCGGCGT	TGAAGGGATC	CGTCCAGGCG	CTTATTGTGA	ACCTAAAAATG
E_aphidicola	GTTGGCGGCG	CCTGTGGCGT	TGACGGCGTG	CGCCCTGGTG	CTTACTGCGA	ACCGAAAAATG
E_billingiae	GTTGGCGGTG	CCTGTGGCAC	AGACGGCGTG	CGTCCTGGCG	CCTACTGC GA	ACCGAAAAATG
E_endophytica	GTTGGTCGCG	CCTGTGGCAC	TGACGGTATG	CGTCCTGGCG	CCTATTGCGA	ACCGAAAAATG
E_iniecta	GTGGGTCGCG	CTTGTGGTAC	CGAAGGCGTG	CGTCCGGGCG	AATATTGC GA	ACCTAAAAATG
E_mallotivora	GTGGGCGGCG	CCTGTGGGAC	TGACGGTATC	CGCCCTGGCG	CTTACTGTGA	GCCGAAAAATG
E_oleae	GTGGGCGGCG	CCTGTGGCAC	CGATGGCATC	CGTCCTGGTG	AGTATTGCGA	ACCTAAAAATG
E_persicina	GTTGGCGGTG	CCTGTGGCGT	GAAACGGGGT	CGCCCTGGTG	CTTACTGCGA	GCCCCAAAAATG
E_phyllosphaerae	GTTGGTCGCG	CCTGTGGTAC	GGAAGGCGTG	CGTCCTGGCG	CATACTGC GA	ACCGAAAAATG
E_piriflorinigrans	GTGGGTCGCG	CCTGTGGTGT	TGAGGGCGTG	CGTCCTGGCG	CTTACTGTGA	GCCGAAAAATG
E_psidii	GTGGGCGGTG	CCTGTGGTAC	CGAGGGGATC	CGCCCTGGTG	CCTATTGC GA	ACCGAAGATG
E_pyrifoliae	GTGGGCGGCG	CATGCGGCGT	TGAAGGGGTC	CGCCCCGGCG	CTTATTGTGA	ACCGAAAAATG
E_rhapontici	GTGGGCGGTG	CATGCGGCGT	TGACGGTGTG	CGCCCCGGCG	CCTATTGCGA	ACCGAAAAATG
E_tasmaniensis	GTGGGCGGCG	CCTGTGGCGT	TGAGGGCGTG	CGCCCTGGCG	CCTATTGTGA	GCCGAAAAATG
E_tracheiphila	GTGGGACGTG	CCTGTGGTAC	CGAGGGTATG	CGCCCCGGCA	CCTATTGCGA	ACCGAAAAATG
E_typographi	GTTGGCGGCG	CCTGTGGTAC	TGACGGCGTG	CGTCCAGGCT	CTTACTGTGA	GCCGAAAAATG
P_agglomerans	GTTGGCGGCG	CCTGTGGCGT	GACCGGTGTT	CGTCCTGGCG	CCTATTGC GA	ACCTAAGATG
P_beijingensis	GTGGGCGGAG	CGTGTGGGAC	CGAAGGTATC	CGCCCCAGGTC	AATACTGTGA	ACCGAAGATG
P_dispersa	GTGGGCGGCG	CCTGTGGCGT	GGCAGGGATC	CGTCCTGGCG	CCTATTGTGA	ACCGAAAAATG
P_eucalypti	GTGGGCGGCG	CCTGTGGCGT	AGCCGGTGTG	CGTCCAGGCG	CCTATTGC GA	ACCGAAGATG
E_sorbitola	GTTGGTCGCG	CATGCGGCGT	TGACGGTGTG	CGTCCTGGTG	CTTACTGTGA	ACCGAAAAATG
E_toletana	GTGGGTCGCG	CTTGTGGTAC	TGAAGGCGTG	CGTCCAGGCC	AGTACTGCGA	ACCTAAAAATG
unknown_DE2	GTTGGCGGCG	CCTGTGGCAC	CGAAGGTGTT	CGTCCC GGCG	CCTACTGC GA	GCCGAAAAATG
unknown_E602	GTGGGCGGCG	CCTGTGGCGT	GGAAGGCGTC	CGTCC TGGCG	CCTACTGC GA	ACCGAAAAATG
unknown_Ejp617	GTGGGCGGCG	CATGCGGCGT	TGAAGGGGTC	CGCCCCGGCG	CTTATTGTGA	ACCGAAAAATG
unknown_QL-Z3	GTTGGCGGCG	CCTGTGGCAC	CGACGGCGTG	CGTCCTGGCG	CCTACTGC GA	ACCGAAAAATG

1381

ecoli_K12	ACTTCTGTAG	GTTCCCAGGA	CACCACCGGC	CCGATGACCC	GTGATGAAC T	GAAAGACCTG
C_E_dadicola	ACCTCGGTTG	GTCGCGAGGA	CACACACGGT	CCAATGACCC	GTGATGAAC T	GAAAGATCTC
C_E_haradaeae	AGCTCGGTAG	GATCCCAAGA	TACTACCGGA	CCTATGACCC	GGGATGAATT	AAAAGATTTA
E_amylovora	ACGTCGGTGC	GTTCTCAGGA	CACCAC TGGC	CCGATGACCC	GTGATGAAC T	GAAAGACCTG
E_aphidicola	ACCTCGGTTG	GTCGCGAGGA	TACCACCGGT	CCAATGACCC	GTGATGAGCT	GAAAGATCTT
E_billingiae	ACCTCTGTGC	GTTCTCAGGA	CACCACCGGT	CCAATGACCC	GTGATGAAC T	GAAAGACCTG
E_endophytica	GCCTCCGTGC	GTTCTCAGGA	CACCACCGGG	CCAATGACCC	GTGATGAGCT	GAAAGATCTG
E_iniecta	ACCTCGGTCG	GTTCTCAGGA	TACCAC TGGC	CCAATGACCC	GTGATGAGCT	GAAAGATCTG
E_mallotivora	ACGTCGTGTC	GATCTCAGGA	CACCACCGGC	CCAATGACCC	GTGATGAGCT	GAAAGACCTC
E_oleae	ACCTCGGTCG	GTTCTCAGGA	TACCACCGGC	CCGATGACCC	GCGAGAGCT	GAAAGACCTG
E_persicina	ACCTCGGTTG	GTCGCCAGGA	CAC TACCGGT	CCCATGACCC	GTGATGAGCT	GAAAGACCTT
E_phyllosphaerae	ACTTCTGTAG	GTTCTCAGGA	CACCACCGGG	CCAATGACCC	GTGACGAGCT	GAAAGACCTG
E_piriflorinigrans	ACGTCAGTAG	GTTCTCAGGA	TACCAC TGGC	CCAATGACCC	GCGATGAGCT	TAAAGACCTG
E_psidii	ACTTCTGTGC	GTTCTCAGGA	CACCACCGGC	CCGATGACCC	GTGATGAGCT	GAAAGATCTG
E_pyrifoliae	ACGTCGGTTG	GTTCTCAGGA	CACCACCGGC	CCAATGACCC	GTGATGAAC T	GAAAGATCTG
E_rhapontici	ACCTCGGTTG	GTCGCGAGGA	CACCACCGGT	CCAATGACCC	GCGATGAAC T	GAAAGACCTC
E_tasmaniensis	ACGTCGGTGC	GTCGCCAGGA	CACGACAGGC	CCAATGACCC	GCGATGAGCT	TAAAGACCTG
E_tracheiphila	ACCTCGGTTG	GTTCTCAGGA	TACCAC TGGC	CCGATGACCC	GTGATGAGCT	GAAAGACCTG
E_typographi	ACCTCCGTTC	GTCCTCAGGA	CACCACCGGT	CCGATGACCC	GTGATGAGCT	GAAAGACCTG
P_agglomerans	ACCTCGGTTG	GTCGCGAGGA	TACCACCGGC	CCGATGACCC	GTGACGAGCT	GAAAGATCTG
P_beijingensis	ACGTCGTGTC	GTTCTCAGGA	TACGACCGGT	CCAATGACG C	GTGATGAGCT	GAAAGATCTG
P_dispersa	ACTTCGGTGC	GTCCTCAGGA	CACCACCGGT	CCGATGACCC	GTGATGAAC T	GAAAGATCTG
P_eucalypti	ACCTCGGTTG	GTCGCGAGGA	TACCACCGGC	CCGATGACCC	GTGATGAGCT	GAAAGATCTG
E_sorbitola	ACCTCGGTTG	GTCCTCAGGA	CACCACCGGC	CCGATGACCC	GTGATGAGCT	GAAAGATCTG
E_toletana	ACCTCAGTTG	GTTCTCAGGA	TACCAC TGGC	CCGATGACGC	GCGATGAGCT	GAAAGATCTG
unknown_DE2	ACCTCGGTTG	GTCCTCAGGA	CACCACCGGT	CCCATGACCC	GTGATGAAC T	GAAAGACCTG
unknown_E602	ACCTCGGTAG	GTCGCGAGGA	CACCACCGGC	CCGATGACCC	GTGATGAGCT	GAAAGACCTC
unknown_Ejp617	ACGTCGGTTG	GTTCTCAGGA	CACCACCGGC	CCAATGACCC	GTGATGAAC T	GAAAGACCTG
unknown_QL-Z3	ACCTCTGTGC	GTTCTCAGGA	CACCACCGGT	CCAATGACCC	GTGATGAAC T	GAAAGACCTG

1441

ecoli_K12	GGGTGCCTGG	GCTTCTCGG	TGACCTGGTG	ATGCAGTCCT	TCTGCCACAC	CGCGGCGTAT
C_E_dadicola	GCCTGTCTTG	GATTCCTGCG	AGACTTGGTG	ATGCAGTCCT	TCTGCCACAC	CGCGGCGCTAT
C_E_haradaeae	GCATGTCTTA	AAATTTCTGCG	AGATTTAGTA	TTACAGTCCT	TTTGTTCATAC	TGCAGCGTAT
E_amylovora	GCTTGCCTTG	GCTTCTCTGCG	GGACCTGGTG	ATGCAGTCCT	TCTGTTCATAC	CGCTGCCTAT
E_aphidicola	GCCTGCCTGG	GCTTCTCTGCG	GGACCTGGTG	ATGCAGTCCT	TCTGCCACAC	CGCGGCGCTAT
E_billingiae	GCCTGTCTGG	GCTTCTCTGCG	GGATCTGGTG	ATGCAGTCCT	TCTGCCACAC	CGCAGCGCTAT
E_endophytica	GCCTGTCTGG	GCTTCTCTGCG	TGATCTGGTG	ATGCAGTCCT	TCTGTTCATAC	CGCGGCGCTAT
E_iniecta	GGGTGCCTCG	GCTTCTCTGCG	TGACCTGGTG	ATGCAGTCAT	TCTGCCATAC	CGCAGCGCTAT
E_mallotivora	GCCTGCCTTG	GCTTCTCTGCG	TGACCTGGTG	ATGCAGTCCT	TCTGTTCATAC	CGCAGCGCTAT
E_oleae	GCCTGCCTGG	GCTTTTCTGCG	AGACCTGGTG	ATGCAGTCCT	TCTGTTCATAC	CGCGGCGCTAT
E_persicina	GCCTGTCTGG	GCTTCTCTGCG	CGATTTGGTG	ATGCAGTCCT	TCTGCCATAC	CGCGGCGCTAT
E_phyllosphaerae	GGGTGCCTGG	GCTTCTCTGCG	CGATCTGGTG	ATGCAGTCAT	TCTGCCATAC	GGCGGCGCTAT
E_piriflorinigrans	GCTTGTCTGG	GCTTCTCTGCG	GGATCTGGTG	ATGCAGTCCT	TCTGTTCATAC	TGCGGCGCTAT
E_psidii	GGGTGTCTGG	GCTTCTCTGCG	CGATCTGGTG	ATGCAGTCCT	TCTGTTCATAC	TGCGGCGCTAT
E_pyrifoliae	GCCTGTCTGG	GCTTCTCTGCG	GGACCTGGTG	ATGCAGTCCT	TCTGTTCATAC	TGCTGCCTAT
E_rhapontici	GCCTGCCTGG	GCTTCTCTGCG	AGACCTGGTG	ATGCAGTCCT	TCTGCCATAC	CGCGGCGCTAT
E_tasmaniensis	GCCTGTCTGG	GCTTTTCTGCG	GGACCTGGTG	ATGCAGTCCT	TCTGCCATAC	CGCGGCGCTAT
E_tracheiphila	GCCTGTCTCG	GCTTCTCTGCG	CGAATCTGGTG	ATGCAGTCAT	TCTGTTCATAC	CGCGGCGTAT
E_typographi	GGGTGCCTCG	GCTTCTCTGCG	TGACCTGGTG	ATGCAGTCCT	TCTGCCACAC	TGCGGCGTAT
P_agglomerans	GCTTGCCTGG	GCTTTTCTGAC	CGATCTGGTG	ATGCAGTCCT	TCTGTTCACAC	CGCGGCGTAT
P_beijingensis	GCCTGTCTTG	GCTTTTCTGAC	CGATCTGGTG	ATGCAGTCAT	TCTGCCATAC	GGCGGCGCTAT
P_dispersa	GGGTGTCTGG	GCTTCTCTGCG	CGATCTGGTG	ATGCAGTCCT	TCTGTTCACAC	TGCGGCGCTAT
P_eucalypti	GCTTGTCTGG	GCTTCTCTGAC	CGATCTGGTG	ATGCAGTCCT	TCTGTTCACAC	CGCGGCGTAT
E_sorbitola	GGGTGCCTCG	GCTTCTCTGCG	CGATCTGGTG	ATGCAGTCCT	TCTGTTCACAC	CGCTGCCTAT
E_toletana	GGGTGCCTCG	GCTTCTCTGCG	TGACCTGGTG	ATGCAGTCCT	TCTGCCATAC	CGCAGCGCTAT
unknown_DE2	GGGTGTCTGG	GCTTCTCTGCG	GGATCTGGTG	ATGCAGTCCT	TCTGCCACAC	CGCGGCGCTAT
unknown_E602	GCCTGCCTCG	GCTTCTCTGCG	TGACCTGGTG	ATGCAGTCCT	TCTGCCACAC	TGCGGCGCTAT
unknown_Ejp617	GCTTGCCTTG	GCTTCTCTGCG	GGACCTGGTG	ATGCAGTCCT	TCTGTTCATAC	TGCTGCCTAT
unknown_QL-Z3	GCCTGTCTGG	GCTTCTCTGCG	GGATCTGGTG	ATGCAGTCCT	TCTGCCACAC	CGCAGCGCTAT

1501

ecoli_K12	CCGAAGCCAG	TTGACGTGAA	CACGCACCAC	ACGCTGCCGG	ACTTCATTAT	GAACCGTGGC
C_E_dadicola	CCTAAGCCGG	TGGACGTGAC	CACGCACCAT	ACCCCTGCCCTG	ACTTCATTAT	GAACCGTGGC
C_E_haradaeae	CCAAAGCCTA	TAGATCTAAT	CACACACAAG	AAATTTGCCCTG	ATTTTATCAT	AGATCGTGGT
E_amylovora	CCTAAGCCGG	TGGATGTGAC	CACGCATCAC	ACCCCTGCCCTG	ACTTCATTAT	GAACCGTGGC
E_aphidicola	CCGAAGCCGG	TGGACGTGAC	CACGCACCAT	ACTCTGCCCTG	ACTTCATTAT	GAACCGTGGT
E_billingiae	CCTAAGCCGG	TTGACGTCTC	TACTCACCAC	ACGCTGCCAG	ACTTCATCAT	GAACCGGGGT
E_endophytica	CCTAAGCCGG	TTGACGTGAC	GACTCACCAC	ACGCTGCCGG	ATTTTATTTAT	GAACCGTGGC
E_iniecta	CCGAAGCCGG	TTGACGTGAC	CACTCACCAC	ACGCTGCCAG	ACTTTATTTAT	GAACCGTGGC
E_mallotivora	CCAAAGCCGG	TTGACGTCTC	GACCCACCAT	ACCCCTGCCAG	ACTTTATTTAT	GAACCGTGGC
E_oleae	CCAAAACCTG	TGGACGTAAAC	CACGCACCAC	ACGCTGCCGG	ACTTCATCAT	GAACCGTGGC
E_persicina	CCGAAGCCGG	TTGACGTGAC	TACACATCAT	ACGCTGCCCTG	ACTTCATCAT	GAACCGCGGT
E_phyllosphaerae	CCAAAGCCTG	TTGACGTGTC	CACGCACCAC	ACGCTGCCGG	ACTTCATTAT	GAACCGCGGT
E_piriflorinigrans	CCTAAGCCTG	TGGATGTGAC	CACTCACCAT	ACACTGCCCCG	ACTTTATTTAT	GAACCGTGGT
E_psidii	CCCAAAACCGG	TTGACGTCTC	GACGCACCAT	ACGCTGCCCCG	ACTTTATTTAT	GAACCGTGGC
E_pyrifoliae	CCTAAGCCGG	TGGATGTGAC	TACTCACCAC	ACTTTGCCAG	ACTTTATTTAT	GAACCGTGGC
E_rhapontici	CCGAAGCCGG	TGGATGTGAC	CACGCACCAT	ACGCTGCCCTG	ACTTCATTAT	GAACCGTGGC
E_tasmaniensis	CCTAAGCCAG	TGGATGTAAAC	CACCCACCAC	ACGTTGCCCG	ACTTTATTTAT	GAACCGTGGT
E_tracheiphila	CCCAAGCCGG	TTGACGTGTC	CACTCACCAC	ACGCTGCCAG	ACTTTATTTAT	GAACCGCGGC
E_typographi	CCTAAGCCGG	TTGACGTCTC	AACTCACCAT	ACGCTGCCAG	ACTTTATCAT	GAACCGCGGC
P_agglomerans	CCGAAGCCGG	TGGATGTGAG	CACGCACCAT	ACGCTGCCAG	ACTTCATCAT	GAACCGCGGT
P_beijingensis	CCGAAGCCGG	TTGATGTCTC	AACCCATCAC	ACGTTGCCCTG	ACTTCATTAT	GAACCGTGGC
P_dispersa	CCGAAGCCGG	TGGATGTGAC	CACACACCAC	ACGCTGCCGG	ACTTCATCAT	GAACCGTGGC
P_eucalypti	CCTAAGCCAG	TGGACGTGAG	TACGCACCAC	ACGCTGCCAG	ACTTCATCAT	GAACCGTGGT
E_sorbitola	CCGAAGCCGG	TTGACGTGAC	TACCCACCAT	ACGCTGCCCTG	ATTTTATTTAT	GAACCGTGGC
E_toletana	CCAAAGCCGG	TTGATGTGAG	CACTCACCAT	ACGCTGCCCTG	ACTTTATTTAT	GAATCGTGGT
unknown_DE2	CCTAAGCCTG	TGGACGTGTC	CACGCACCAC	ACGCTGCCAG	ACTTTATTTAT	GAACCGCGGC
unknown_E602	CCGAAACCGG	TGGACGTGAC	CACTCACCAT	ACGCTGCCGG	ACTTCATTAT	GAACCGCGGT
unknown_Ejp617	CCTAAGCCGG	TGGATGTGAC	TACTCACCAC	ACTTTGCCAG	ACTTTATTTAT	GAACCGTGGC
unknown_QL-Z3	CCTAAGCCGG	TTGACGTCTC	TACTCACCAC	ACGCTGCCAG	ACTTCATCAT	GAACCGGGGT

1561

ecoli_K12	GGTGTGTCGC	TGCGTCCGGG	TGACGGCGTC	ATTCACCTCCT	GGCTGAACCG	TATGCTGCTG
C_E_dacicola	GGTGTATCGC	TGCGTCCGGG	GGACGGCATT	ATCCACAGTT	GGCTGAACCG	TATGCTGCTG
C_E_haradaeae	GGAAATTTCTT	TACATCCAGG	GGATGGAAAT	ATTCATAGCT	GGTTAAATCG	GATGCTTCTA
E_amylovora	GGCGTGTGCG	TGCGCCCCGG	CGACGGCATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
E_aphidicola	GGCGTATCGC	TGCGTCCCTGG	CGACGGCATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
E_billingiae	GGCGTGTAC	TGCGTCCGGG	TGACGGTATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
E_endophytica	GGGGTGTCCC	TGCGTCCGGG	CGACGGCATT	ATCCACAGTT	GGCTGAACCG	TATGCTGTTG
E_iniecta	GGTGTTTTAC	TGCGTCCGGG	CGACGGCATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
E_mallotivora	GGTGTGTGCG	TGCGTCCGGG	CGACGGCATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
E_oleae	GGCGTGTGCG	TGCGTCCGGG	CGATGGCATT	ATCCATAGCT	GGCTGAACCG	CATGCTGCTG
E_persicina	GGCGTGTGCG	TGCGTCCGGG	CGATGGCATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
E_phyllosphaerae	GGCGTTTTCG	TGCGTCCCTGG	CGACGGCATC	ATCCACAGCT	GGCTGAACCG	CATGCTGCTG
E_piriflorinigrans	GGCGTGTGCG	TGCGTCCCGG	CGATGGCATT	ATCCATAGCT	GGCTGAACCG	TATGCTGCTG
E_psidii	GGTGTTTTCC	TGCGTCCGGG	CGACGGCATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
E_pyrifoliae	GGCGTGTGCG	TGCGCCCCGG	CGATGGCATT	ATCCATAGCT	GGCTGAACCG	TATGCTGCTG
E_rhapontici	GGCGTGTGCG	TGCGTCCGGG	GGATGGGGTA	ATCCACAGCT	GGCTGAACCG	TATGCTACTG
E_tasmaniensis	GGCGTGTGCG	TGCGTCCGGG	CGATGGCATT	ATCCACAGCT	GGCTGAACCG	CATGCTGCTG
E_tracheiphila	GGTGTGTCTC	TGCGTCCGGG	CGACGGCATC	ATCCATAGCT	GGTTGAACCG	CATGCTGCTG
E_typographi	GGCGTGTGCG	TGCGTCCCTGG	CGACGGCATC	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
P_agglomerans	GGTGTGTTC	TGCGTCCGGG	TGACGGCATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
P_beijingensis	GGTGTTTTAC	TGCGTCCCTGG	CGATGGCATT	ATTCACAGTT	GGCTGAATCG	CATGCTGCTG
P_dispersa	GGTGTGTGCG	TGCGTCCGGG	CGATGGCGTG	ATTCACAGCT	GGCTGAACCG	TATGCTGCTG
P_eucalypti	GGTGTATCAC	TGCGTCCGGG	TGACGGCATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
E_sorbitola	GGCGTATGCG	TGCGCCCCGG	TGACGGTATT	ATCCATAGCT	GGCTGAACCG	TATGCTGCTG
E_toletana	GGCGTGTAC	TGCGTCCGGG	CGACGGTATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
unknown_DE2	GGCGTTTTCG	TGCGTCCCTGG	CGACGGCATT	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
unknown_E602	GGCGTGTGCG	TGCGTCCGGG	TGACGGGGTG	ATCCACAGCT	GGCTGAACCG	TATGCTGCTG
unknown_Ejp617	GGCGTGTGCG	TGCGCCCCGG	CGATGGCATT	ATCCATAGCT	GGCTGAACCG	TATGCTGCTG
unknown_QL-Z3	GGCGTGTAC	TGCGTCCGGG	TGACGGTATT	AGCCACAGCT	GGCTGAACCG	TATGCTGCTG

1621

ecoli_K12	CCGGATACCG	TGGGTACCGG	TGGTGACTCC	CATACCCGTT	TCCCGATCGG	TATCTCTTTT
C_E_dacicola	CCGGATACCG	TGGGTACCGG	TGGTGACTCG	CACACTCGTT	TCCCGATCGG	AATCTCTTTT
C_E_haradaeae	CCAGATACCG	TAGGGACTGG	AGGCGATTCT	CATACCTCGAT	TTCCTATCGG	GATTTCAATT
E_amylovora	CCGGATACCG	TGGGTACCGG	TGGCGATTCC	CATACCCGGT	TCCCGATCGG	GATTTCAATT
E_aphidicola	CCGGATACCG	TGGGTACTGG	CGGTGACTCG	CACACCCGTT	TCCCGATCGG	CATCTCTTTT
E_billingiae	CCGGATACCG	TGGGTACCGG	CGGTGACTCG	CATACGCGTT	TCCCAATCGG	GATCTCTTTT
E_endophytica	CCGGATACCG	TGGGGACTGG	CGGTGACTCG	CATACCCGCT	TCCCGATTGG	GCTGTCTTTT
E_iniecta	CCGGATACCG	TGGGTACCGG	TGGTGACTCT	CATACCCGTT	TCCCGATTGG	TATCTCTTTT
E_mallotivora	CCGGATACCG	TGGGCACCGG	CGGGGATTCC	CATACCCGCT	TCCCGATTGG	CATCTCTTTT
E_oleae	CCGGATACCG	TGGGTACCGG	CGGCGACTCG	CACACCCGTT	TCCCGATTGG	CATCTCTTTT
E_persicina	CCGGATACCG	TAGGCACCTGG	CGGTGACTCC	CACACCCGTT	TCCCGATCGG	TATTTCTTTT
E_phyllosphaerae	CCGGATACCG	TTGGTACCGG	CGGCGATTCA	CATACCCGTT	TCCCAATCGG	CATCTCTTTT
E_piriflorinigrans	CCGGATACCG	TGGGTACAGG	CGGTGATTCC	CACACGCGTT	TCCCAATCGG	TATCTCTTTT
E_psidii	CCGGATACCG	TAGGCACCGG	TGGGGATTCA	CACACCCGTT	TCCCGATCGG	TATTTCTTTT
E_pyrifoliae	CCGGATACCG	TTGGAACCGG	CGGCGATTCC	CACACCCGTT	TCCCAATTGG	TATCTCTTTT
E_rhapontici	CCGGATACCG	TAGGTACAGG	CGGTGACTCA	CATACCTCGCT	TCCCAATTGG	TATTTCTTTT
E_tasmaniensis	CCGGATACCG	TTGGCACCGG	CGGCGATTCC	CACACGCGCT	TCCCGATAGG	TATCTCTTTT
E_tracheiphila	CCGGATACCG	TTGGCACCGG	CGGGGATTCA	CATACCTCGTT	TCCCGATTGG	CATCTCTTTT
E_typographi	CCGGATACCG	TGGGAACAGG	CGGCGACTCC	CATACGCGCT	TCCCGATCGG	CATCTCTTTT
P_agglomerans	CCGGATACCG	TGGGTACCGG	TGGTGACTCG	CACACCCGTT	TCCCGATCGG	CATCTCTTTT
P_beijingensis	CCGGATACCG	TGGGTACCGG	TGGTGATTCA	CATACACGTT	TCCCGATCGG	TATTTCTTTT
P_dispersa	CCGGATACCG	TGGGCACCGG	CGGTGACTCA	CACACCCGCT	TCCCGATTGG	CATCTCTTTT
P_eucalypti	CCGGATACCG	TGGGCACCGG	TGGTGACTCC	CATACCCGTT	TCCCGATCGG	CATCTCTTTT
E_sorbitola	CCGGATACCG	TTGGTACCGG	TGGCGACTCT	CACACCCGCT	TCCCGATTGG	TATCTCTTTT
E_toletana	CCGGATACCG	TGGGTACCGG	TGGTGATTCC	CATACCCGTT	TCCCGATTGG	CATCTCTTTT
unknown_DE2	CCGGATACCG	TGGGCACCGG	CGGCGACTCC	CACACCCGTT	TCCCGATCGG	CATCTCTTTT
unknown_E602	CCGGATACCG	TGGGTACCGG	CGGTGACTCG	CACACCCGCT	TCCCGATCGG	AATCTCTTTT
unknown_Ejp617	CCGGATACCG	TTGGAACCGG	CGGCGATTCC	CACACCCGTT	TCCCAATTGG	TATCTCTTTT
unknown_QL-Z3	CCGGATACCG	TGGGTACCGG	CGGTGACTCG	CATACGCGTT	TCCCAATCGG	GATCTCTTTT

1681

ecoli_K12	CCGGCGGGTT	CTGGTCTGGT	GGCGTTTGCT	GCCGCAACTG	GCGTAATGCC	GCTTGATATG
C_E_dadicola	CCGGCGGGTT	CTGGTCTGGT	GGCGTTTGCC	GCGCGACCG	GCGTTATGCC	GCTGGATATG
C_E_haradaeae	CCAGCTGGAT	CTGGTTTAGT	GGCTTTTGCC	TCGTGCTACAG	GAGTGTATGCC	TCTTAATATG
E_amylovora	CCGGCGGGTT	CTGGTCTGGT	GGCAATCGCC	GCGGCGACCG	GCGTAATGCC	GCTGGATATG
E_aphidicola	CCGGCGGGTT	CTGGCCTGGT	GGCGTTTGCT	GCGGCAACCG	GCGTTATGCC	GCTGGATATG
E_billingiae	CCGGCAGGTT	CAGGTCTGGT	GGCGTTTGCT	GCGGCGACCG	GCGTGTATGCC	GCTGGATATG
E_endophytica	CTTGGGGGTT	CCGGTCTGGT	TGCTTTTGCT	GCGGCGACCG	GCGTGTATGCC	GCTGGATATG
E_iniecta	CCGGCGGGTT	CTGGTCTGGT	GGCGTTTGCT	GCTGCCACCG	GCGTAATGCC	GCTGGATATG
E_mallotivora	CCGGCAGGAT	CCGGGCTGGT	GGCCTTTGCG	GCGGCAACCG	GCGTGTATGCC	GCTGGATATG
E_oleae	CCGGCGGGTT	CTGGCCTGGT	GCCCTTTGCG	GCGGCAACCG	GCGTGTATGCC	GCTGGATATG
E_persicina	CCGGCGGGTT	CAGGTCTGGT	GGCCTTTGCC	GCCGCGACCG	GCTGTATGCC	GCTGGATATG
E_phyllosphaerae	CCGGCGGGTT	CTGGCCTGGT	AGCGTTTGCT	GCGGCAACTG	GCGTTATGCC	ACTGGACATG
E_piriflorinigrans	CCGGCGGGTT	CTGGTTTGTT	GGCAATCGCC	GCTGCGACCG	GCGTGTATGCC	GCTGGATATG
E_psidii	CCGGCGGGTT	CTGGCCTGGT	GGCCTTTGCC	GCGGCGACCG	GCGTGTATGCC	GCTGGATATG
E_pyrifoliae	CCGGCGGGTT	CTGGTCTGGT	TGCTTTGCT	GCTGCCACCG	GCGTGTATGCC	GCTGGATATG
E_rhapontici	CCGGCGGGTT	CAGGTCTGGT	GGCCTTTGCC	GCTGCGACCG	GCGTGTATGCC	ACTGGATATG
E_tasmaniensis	CCGGCGGGTT	CTGGCCTGGT	GGCCTTTGCC	GCCGCGACCG	GCGTGTATGCC	GCTGGATATG
E_tracheiphila	CCGGCAGGCT	CCGGGCTGGT	GGCTTTTGCG	GCGGCGACCG	GCGTGTATGCC	GCTGGATATG
E_typographi	CCGGCAGGCT	CCGGCCTGGT	GGCGTTTGCC	GCCGCAACTG	GCGTGTATGCC	CTTAGATATG
P_agglomerans	CCGGCGGGTT	CAGGCTGGT	GGCGTTTGCC	GCCGCGACTG	GCGTAATGCC	GCTCGACATG
P_beijingensis	CTTGGGGGCT	CTGGTTTAGT	GGCGTTTGCC	GCCGCAACTG	GCGTGTATGCC	GCTGGATATG
P_dispersa	CCGGCQGGTT	CTGGTCTGGT	GGCGTTTGCC	GCCGCGACCG	GCGTGTATGCC	TCTGGATATG
P_eucalypti	CCGGCGGGTT	CAGGCTGGT	GGCGTTTGCC	GCCGCGACCG	GCGTTATGCC	GCTCGACATG
E_sorbitola	CCGGCGGGTT	CTGGCCTGGT	GGCCTTTGCT	GCTGCGACCG	GTGTGTATGCC	GCTGGATATG
E_toletana	CCGGCAGGTT	CTGGTCTGGT	GGCGTTTGCT	GCAGCCACTG	GCGTGTATGCC	GCTGGATATG
unknown_DE2	CCGGCTGGTT	CCGGTCTGGT	GGCCTTTGCG	GCGGCTACCG	GCGTGTATGCC	GCTGGATATG
unknown_E602	CCGGCAGGCT	CCGGCCTGGT	GGCCTTTGCC	GCCGCTACCG	GCGTGTATGCC	GCTGGATATG
unknown_Ejp617	CCGGCGGGTT	CTGGTCTGGT	TGCTTTGCT	GCTGCCACCG	GCGTGTATGCC	GCTGGATATG
unknown_QL-Z3	CCGGCAGGTT	CAGGTCTGGT	GGCGTTTGCT	GCGGCGACCG	GCGTGTATGCC	GCTGGATATG

1741

ecoli_K12	CCGGAATCCG	TGCTGGTGG	CTTCAAAGGC	AAAATGCAGC	CGGGCATCAC	CCTGCGCGAT
C_E_dadicola	CCAGAGTCCG	TGCTGGCGCG	CTTTAAAGGC	AAAATACAGC	CGGGCATCAC	CCTGCGCGAT
C_E_haradaeae	CCAGAGTCCG	TTTTAGTAAA	TTTTACAGGT	ACAATTCAAT	CGGGCATTAC	TTTGCCTGAT
E_amylovora	CCTGAGTCCG	TTTTCAAGGG	TTTTCAAGGG	AAAATGCAGC	CGGGTATTAC	CCTGCGCGAT
E_aphidicola	CCAGAGTCCG	TGCTGGTGG	CTTCAAAGGC	AAAATGCAGC	CTGGCATCAC	CCTGCGCGAT
E_billingiae	CCTGAGTCCG	TACTGGTGG	TTTTCAAAGGG	AAAATGGAGC	CAGGCATCAC	CCTGCGCGAC
E_endophytica	CCGGAATCAG	TGCTGGTGG	TTTTCAAAGGA	AAAATGCAGC	CGGGGATCAC	CCTGCGGAGC
E_iniecta	CCGGAATCCG	TACTGGTACG	CTTTAAAGGC	AAAATGCAGC	CGGGTATCAC	CCTGCGCGAT
E_mallotivora	CCGGAATCCG	TGCTGGTGG	CTTCAAAGGT	AAAATGCAGC	CGGGGATCAC	CCTGCGCGAT
E_oleae	CCGGAATCCG	TGCTGGTGG	TTTTCAAAGGC	AAAATGCAGC	CGGGCATCAC	CCTGCGCGAT
E_persicina	CCTGAATCTG	TGCTGGTGG	CTTTAAAGGC	AAAATGCAGC	CAGGTATCAC	CCTGCGCGAT
E_phyllosphaerae	CCTGAATCTG	TGCTGGTGG	CTTCAAAGGC	AAAATGCAGC	CGGGTATCAC	GCTGCGTGAC
E_piriflorinigrans	CCAGAGTCCG	TATTTGGTTCG	CTTTAAAGGC	AAAATGCAGC	CGGGTATTAC	CCTGCGCGAT
E_psidii	CCGGAGTCCG	TGCTGGTGG	CTTTAAAGGA	AAAATGCAGC	CGGGGATCAC	CCTGCGCGAC
E_pyrifoliae	CCAGAGTCCG	TGCTGGTACG	CTTCAAAGGC	AAAATGCAGC	CGGGTATTAC	CCTGCGCGAT
E_rhapontici	CCAGAGTCCG	TGCTGGTGG	TTTTCAAAGGT	GAAATGCAGC	CGGGTATCAC	TTTTCGCGAT
E_tasmaniensis	CCGGAGTCCG	TGCTGGTTCG	CTTCAAAGGC	AAAATGCAGC	CGGGTATCAC	CCTGCGCGAT
E_tracheiphila	CCGGAATCCG	TGCTGGTGG	CTTCAAAGGG	AAAATGCAGC	CGGGTATCAC	CCTGCGTGAT
E_typographi	CCGGAGTCCG	TGCTGGTGG	TTTTCAAAGGG	AAAATGGAGC	CGGGGATTAC	CCTGCGCGAC
P_agglomerans	CCGGAATCCG	TTCTGGTGG	CTTCAAAGGT	AAGATGGAGC	CGGGCATTAC	CCTGCGCGAT
P_beijingensis	CCGGAATCCG	TACTGGTGG	TTTTTAAAGGC	AAAATGCAGC	CTGGTATTAC	GCTGCGTGAT
P_dispersa	CCGGAGTCCG	TGCTGGTGG	CTTCAAAGGC	GAAATGCAGC	CGGGCATCAC	GCTGCGCGAT
P_eucalypti	CCGGAATCCG	TGCTGGTGG	CTTCAAAGGT	AAAATGGAGC	CAGGCATTAC	GCTGCGCGAT
E_sorbitola	CCGGAATCAG	TGCTGGTGG	CTTTAAAGGC	AAAATGCAGC	CGGGTATTAC	CCTGCGCGAT
E_toletana	CCGGAATCAG	TGCTGGTGG	CTTTAAAGGC	AAAATGCAGC	CGGGTATTAC	CCTGCGCGAT
unknown_DE2	CCTGAGTCCG	TGCTGGTGG	CTTCAAAGGA	AAAATGGAGC	CGGGGATCAC	CCTGCGCGAT
unknown_E602	CCGGAGTCCG	TGCTGGTGG	CTTTAAAGGC	GAAATGCAGC	CGGGTATCAC	CCTGCGTGAC
unknown_Ejp617	CCAGAGTCCG	TGCTGGTACG	CTTCAAAGGC	AAAATGCAGC	CGGGCATTAC	CCTGCGCGAT
unknown_QL-Z3	CCTGAGTCCG	TACTGGTGG	TTTTCAAAGGG	AAAATGGAGC	CTGGCATCAC	CCTGCGCGAC

1801

ecoli_K12	CTGGTACACG	CTATTCCGCT	GTATGCCGATC	AAACAAGGTC	TGCTGACCGT	TGAGAAGAAA
C_E_dadicola	CTAGTACACG	CGATCCCAGCT	GTACGCCGATC	AAAGCGGGCT	TGCTGACCGT	GGAGAAGAAA
C_E_haradaeae	ATAGTACACG	CAATTCCATT	ATATGCCATT	AAATTAGGTC	TTTTTAATAT	TGAAAAA
E_amylovora	CTGGTTCATG	CCATTCCACT	GTATGCCGATC	AAAGCTGGCC	TGCTGACCGT	GGAGAAGAAA
E_aphidicola	CTGGTACACG	CGATCCCAGCT	GTATGCCGATC	AAAGCTGGCC	TGCTGACCGT	TGAGAAGAAA
E_billingiae	CTGGTTCACG	CCATCCCAGCT	GTACGCCATC	AAGCAGGGCC	TGCTGACCGT	TGAGAAGAAA
E_endophytica	CTGGTGCACG	CCATCCCCTT	GTATGCCATC	AAGCAAGGGC	TGCTGACCGT	TGAGAAGAAA
E_iniecta	CTGGTTCACG	CCATTCCGCT	GTATGCCATC	AAAGCGGGTC	TGCTGACTGT	CGAGAAGAAA
E_mallotivora	CTGGTTCACG	CCATTCCGCT	GTATGCCATC	AAACAGGGTC	TGCTGACCGT	TGAGAAGAAA
E_oleae	CTGGTGCACG	CGATTCCGCT	GTACGCCATC	CGTCAGGGGC	TGCTGACCGT	GGAGAAAAAG
E_persicina	CTGGTGCATG	CGATCCCAGCT	GTATGCAATT	AAAGCGGGTC	TGCTGACCGT	CGAGAAGAAA
E_phyllosphaerae	CTGGTTCACG	CCATCCCAGCT	GTACGCTATC	AAGCAGGGTC	TGCTGACCGT	AGAGAAGAAA
E_piriflorinigrans	CTGGTTCATG	CCATTCCGCT	GTATGCCGATC	AAAGCAGGGC	TGCTGACCGT	AGAGAAGAAA
E_psidii	CTGGTTCATG	CCATTCCCTT	GTATGCCATC	AAACAGGGGC	TGCTGACCGT	TGAGAAGAAA
E_pyrifoliae	TTGGTTCACG	CCATTCCGCT	GTATGCCATC	AAAGCAGGTC	TGCTGACCGT	GGAGAAGAAG
E_rhapontici	CTGGTGCATG	CGATCCCCT	GTATGCCGATC	AAAGCTGGCC	TGCTGACCGT	TGAGAAGAAA
E_tasmaniensis	CTGGTTCATG	CTATCCCAGCT	GTATGCCGATC	AAAGCAGGTC	TGCTGACCGT	GGAGAAGAAA
E_tracheiphila	TTGGTTCACG	CCATACCGCT	GTATGCCATC	AAACAGGGCT	TGCTGACCGT	TGAGAAGAAA
E_typographi	CTGGTGCACG	CTATCCCCT	GTACGCTATC	AAGCAGGGTC	TGCTGACCGT	TGAGAAAAAA
P_agglomerans	CTGGTTCACG	CCATTCCGCT	GTATGCCATC	AAACAGGGTC	TGCTGACCGT	TGAGAAGAAA
P_beijingensis	TTGGTTCATG	CGATTCCGCT	GTACGCCATC	AAACAGGGGC	TGCTGACCGT	TGAGAAGAAA
P_dispersa	CTGGTGCACG	CGATTCCGCT	GTACGCCATC	AAGCAGGGCC	TGCTGACCGT	TGAGAAGAAA
P_eucalypti	CTGGTTCATG	CCATCCCAGCT	GTATGCCGATC	AAACAGGGTC	TGCTGACCGT	TGAGAAGAAA
E_sorbitola	CTGGTACATG	CTATCCCAGCT	GTATGCCATC	AAAGCTGGCC	TGCTGACCGT	TGAGAAGAAA
E_toletana	CTGGTTCACG	CCATTCCGCT	GTATGCCATC	AAAGCTGGCC	TGCTGACCGT	TGAGAAGAAA
unknown_DE2	CTGGTTCACG	CCATCCCAGCT	TTACGCTATC	AAACAGGGTC	TGCTGACCGT	TGAGAAGAAG
unknown_E602	CTGGTGCACG	CCATTCCGCT	GTACGCCATC	AAAGCCGGCC	TGCTGACCGT	GGAGAAGAAA
unknown_Ejp617	CTGGTTCACG	CCATTCCGCT	GTATGCCATC	AAAGCAGGTC	TGCTGACCGT	GGAGAAGAAG
unknown_QL-Z3	CTGGTTCACG	CCATCCCAGCT	GTACGCCATC	AAGCAGGGCC	TGCTGACCGT	TGAGAAGAAA

1861

ecoli_K12	GGCAAGAAAA	ACATCTTCTC	TGGCCGCATC	CTGGAATTTG	AAGGTCTGCC	GGATCTGAAA
C_E_dadicola	GGCAAGAAAA	ACATCTTCTC	GGGCCGTATC	CTCGAAATTTG	AAGGTCTGCC	TGACCTGAAA
C_E_haradaeae	AATAAAAAAG	ATATCTTTTC	AGGTGGAATT	CTAGAAATCC	AAGGCTTATC	TAACTTAAAG
E_amylovora	GGGAAGAAAG	ACATCTTCTC	AGGCCGCATC	CTCGAGATCG	AAGGGTTGCC	GGATCTGAAA
E_aphidicola	GGTAAGAAAA	ACATCTTCTC	TGGCCGCATC	CTCGAAATTTG	AAGGTCTGCC	TGACCTGAAA
E_billingiae	GGGAAGAAAA	ACATCTTCTC	AGGTGCGATC	CTGGAATTCG	AAGGTCTGCC	AGAGCTGAAA
E_endophytica	GGGAAGAAAA	ACATCTTCTC	CGGCCGCATT	CTGGAATTTG	AAGGTCTGCC	GGATCTGAAA
E_iniecta	GGTAAGAAAA	ATATCTTCTC	TGGCCGCATC	CTGGAATTTG	AAGGCTTACC	GGATCTGAAA
E_mallotivora	GGTAAGAAAA	ATATCTTCTC	TGGCCGCATC	CTGGAATTTG	AAGGTCTGCC	GGATCTGAAA
E_oleae	GGCAAGAAAA	ACATCTTCTC	CGGCCGCATT	CTGGAATTCG	AAGGCCTGCC	GGATCTGAAA
E_persicina	GGGAAGAAAA	ACATCTTCTC	CGGAGCTATT	CTGGAATTTG	AAGGTCTGCC	GGATCTGAAA
E_phyllosphaerae	GGTAAGAAAA	ACATCTTCTC	TGGCCGCATT	CTGGAATTCG	AAGGCCTGCC	GGAAGTGAAG
E_piriflorinigrans	GGTAAGAAAA	ACATCTTCTC	TGGTCGCATC	CTCGAAATTCG	AAGGACTGCC	GGATCTGAAG
E_psidii	GGCAAGAAAA	ACATTTTCTC	TGGCCGTATC	CTGGAATTTG	AAGGATTGCC	GGATCTGAAA
E_pyrifoliae	GGTAAGAAAA	ATATCTTCTC	CGGCCGCATC	CTTGAAATTCG	AAGGGCTGCC	GGACCTGAAA
E_rhapontici	GGGAAGAAAA	ACATCTTCTC	TGGTCGCCTG	CTGGAATTCG	AAGGCCTGCC	GAAACTGAAA
E_tasmaniensis	GGCAAGAAAA	ACATCTTCTC	TGGCCGCATT	CTCGAAATTCG	AAGGGCTGCC	TGACCTGAAA
E_tracheiphila	GGCAAGAAAA	ACATCTTCTC	TGGGCGCATT	CTCGAAATTTG	AGGGGCTACC	GGACCTGAAA
E_typographi	GGTAAGAAAA	ACATCTTCTC	CGGGCGTATT	CTGGAGATCG	AAGGCCTGCC	GGATCTGAAA
P_agglomerans	GGTAAGAAAA	ACATCTTCTC	TGGTCGCATC	CTGGAGATTG	AAGGTCTGCC	GGATCTGAAA
P_beijingensis	GGTAAGAAAG	ACATCTTCTC	GGGACGCATT	CTGGAATTTG	AAGGCCTGCC	AGAAGTGAAG
P_dispersa	GGCAAGAAAA	ACATCTTTTC	CGGTGCGCTG	CTGGAATTCG	AAGGTCTGCC	GAAGCTGAAA
P_eucalypti	GGTAAGAAAA	ACATCTTCTC	TGGCCGTATC	CTGGAGATTG	AAGGTCTGCC	GGATCTGAAG
E_sorbitola	GGTAAGAAAA	ACATCTTCTC	CGGCCGCATT	CTGGAATTTG	AAGGTCTGCC	GGATCTGAAA
E_toletana	GGTAAGAAAA	ATATCTTCTC	TGGCCGTATC	CTGGAATTTG	AAGGCTTGCC	AGACCTGAAA
unknown_DE2	GGCAAGAAAA	ACATCTTCTC	TGGCCGCATC	CTGGAGATCG	AAGGACTGCC	GGATCTGAAA
unknown_E602	GGTAAGAAAA	ACATCTTCTC	CGGCCGCCTG	CTGGAATTTG	AAGGTCTGCC	GGACCTGAAA
unknown_Ejp617	GGTAAGAAAA	ATATCTTCTC	CGGCCGCATC	CTTGAAATTCG	AAGGGCTGCC	GGACCTGAAA
unknown_QL-Z3	GGGAAGAAAA	ACATCTTCTC	AGGTGCGATC	CTGGAATTCG	AAGGTCTGCC	AGAGCTGAAA

1921

ecoli_K12	GTTGAGCAGG	CGTTTGAGCT	AACCGATGCG	TCCGCCGAGC	GTTCTGCGGC	TGGTTGTACC
C_E_dadicola	GTTGAGCAGG	CGTTTGAGCT	GTCCGATGCT	TCTGCAGAGC	GTTCTGCGGC	GGGCTGTAGC
C_E_haradaeae	GTAGAACAGG	CTTTTGAGTT	GTCCAGATGCT	TCTGCTGAAC	GGTCTGCAGC	TGGATGTGTT
E_amylovora	GTSGAGCAGG	CGTTTGAGCT	GTCCGATGCA	TCCGCCGAGC	GTTCTGCGGC	AGGCTGTACC
E_aphidicola	GTTGAGCAGG	CATTGGAAC	GTCCGATGCT	TCCGCCGAGC	GCTCTGCAGC	GGGCTGTAGC
E_billingiae	GTTGAGCAGG	CGTTTGAACT	TCTTGATGCC	TCAGCCGAGC	GTTCTGCTGC	CGGTTGTACC
E_endophytica	GTCCAGCAGG	CGTTTGAGCT	GTCCGATGCT	TCCGCTGAGC	GTTCTGCGGC	CGGTTGTACT
E_iniecta	GTGGAGCAGG	CATTTGAGCT	GTCCGATGCG	TCCGCCGAGC	GTTCTGCTGC	CGGCTGTACC
E_mallotivora	GTCCAGCAGG	CATTTGAGCT	TCTTGATGCC	TCCGCTGAGC	GCTCTGCGGC	GGGTTGTACC
E_oleae	GTCCAGCAGG	CGTTTGAACT	TCTTGATGCC	TCCGCCGAGC	GTTCTGCGGC	AGGCTGTTCC
E_persicina	GTTGAGCAGG	CGTTTGAGCT	GTCCAGATGCG	TCCGCTGAAC	GTTCTGCAGC	GGGTTGCTCG
E_phyllosphaerae	GTTGAGCAGG	CGTTTGAACT	GTCTGATGCT	TCCGCTGAGC	GTTCCGCAGC	GGGCTGTAGC
E_piriflorinigrans	GTCCAGCAGG	CGTTTGAGCT	GTCTGATGCT	TCCGCCAGAGC	GCTCTGCCGC	AGGCTGTACC
E_psidii	GTTGAGCAGG	CATTGAGCT	GTCCGATGCG	TCCGCTGAAC	GCTCTGCCGC	GGGTTGTACT
E_pyrifoliae	GTGGAGCAGG	CGTTTGAGCT	GTCCGATGCC	TCCGCCAGAGC	GCTCTGCCGC	TGGTTGTACC
E_rhapontici	GTTGAGCAGG	CATTGGAAC	GACGGATGCT	TCAGCAGAGC	GCTCCGAGC	CGGCTGTACC
E_tasmaniensis	GTAGAGCAGG	CGTTTGAACT	GTCCGATGCG	TCCGCCAGAGC	GCTCTGCCGC	GGGCTGTACC
E_tracheiphila	GTTGAGCAGG	CGTTTGAGTT	GTCCGATGCC	TCTGCTGAAC	GTTCTGCAGC	CGGATGCACC
E_typographi	GTTGAGCAGG	CGTTTGAGCT	GTCTGATGCT	TCAGCCGAGC	GTTCTGCTGC	TGGCTGTACC
P_agglomerans	GTCCAGCAGG	CGTTTGAGTT	GTCCGATGCG	TCAGCAGAAC	GTTCCGCTGC	GGGCTGTACC
P_beijingensis	GTTGAGCAGG	CTTTTGAACT	GTCTGATGCT	TCCGCTGAGC	GCTCTGCCGC	CGGCTGTAGC
P_dispersa	GTTGAGCAGG	CGTTTGAGCT	GACCGATGCC	TCCGCCGAGC	GTTCTGCGGC	GGGTTGTACC
P_eucalypti	GTCCAGCAGG	CGTTTGAGCT	GTCTGATGCG	TCAGCAGAGC	GTTCCGCTGC	GGGCTGTACC
E_sorbitola	GTTGAGCAGG	CATTTGAGCT	GTCCGATGCA	TCCGCCGAGC	GTTCTGCCGC	AGGGTGTTC
E_toletana	GTTGAGCAGG	CATTTGAACT	GTCCGATGCA	TCCGCCAGAGC	GTTCTGCTGC	CGGCTGTACC
unknown_DE2	GTAGAGCAGG	CGTTTGAGCT	GTCCGATGCC	TCTGCCGAGC	GTTCTGCTGC	CGGTTGTACC
unknown_E602	GTGGAGCAGG	CGTTTGAACT	GACCGAGGCC	TCCGCCGAAC	GTTCTGCCGC	CGGTTGTACC
unknown_Ejp617	GTGGAGCAGG	CGTTTGAGCT	GTCCGATGCC	TCCGCCAGAGC	GCTCTGCCGC	TGGTTGTACC
unknown_QL-Z3	GTTGAGCAGG	CGTTTGAGCT	TCTTGATGCC	TCTGCCGAGC	GTTCTGCTGC	CGGTTGTACC

1981

ecoli_K12	ATCAAGCTGA	ACAAAGAAC	GATCATCGAA	TACCTGAACT	CTAACATCGT	CCTGCTGAAG
C_E_dadicola	ATCAAGCTGG	GCAAAGACCC	GATCATAGAG	TATCTCAACT	CGAACATCGT	GCTGCTGAAG
C_E_haradaeae	ATTGATTTAA	GCCAAAGATCC	AATTATTGAG	TATCTTGAAT	CTAATGTAAC	ATTATTAAAA
E_amylovora	ATTAAGCTTG	GCAAAGATCC	GATTATCGAA	TATCTCAACT	CGAATATCGT	CCTGCTGAAG
E_aphidicola	ATCAAGCTGG	GCAAAGACCC	GATCATCGAG	TATCTCAACT	CGAACATCGT	GCTGCTGAAG
E_billingiae	ATCAAGCTGG	GCCAGGCACC	GATTATCGAG	TACCTGAACT	CCAACATCGT	GCTGTTGAAG
E_endophytica	ATCAAACTGG	ATAAAGCGCC	GATCATCGAG	TACCTGAACT	CCAATATTGT	GCTGTTGAAA
E_iniecta	ATTAAGCTGG	GCAAAGATCC	GATCATTGAA	TACCTTAATT	CCAATATCGT	GCTGCTGAAG
E_mallotivora	ATCAAGCTGG	GCAAAGATCC	GATTATTGAA	TATCTCAACT	CCAACATTGT	GCTGCTGAAG
E_oleae	ATCAAGCTGG	GCCAGGCACC	GATTATCGAG	TATCTCAGCT	CCAATATCGT	CCTGCTGAAG
E_persicina	ATCAAGTTGA	GTAAGATCC	GATTATCGAG	TATCTGAACT	CTAACATCGT	GCTGCTGAAG
E_phyllosphaerae	ATCAAGCTGG	GTAAGAGCC	GATCATCGAG	TACCTCAATT	CCAACATCGT	TCTGCTGAAG
E_piriflorinigrans	ATTAAGCTTG	GCAAAGATCC	GATTATTGAG	TATCTCAACT	CCAATATCGT	GTTGCTGAAG
E_psidii	ATCAAGCTGG	GTAAGATCC	GATCATCGAA	TATCTCAATT	CGAACATTGT	GCTGCTGAAG
E_pyrifoliae	ATCAAGCTGG	GTAAGATCC	GATTATCGAG	TATCTCAACT	CGAATATCGT	CTTGCTGAAG
E_rhapontici	ATCAAGCTGG	ATAAAGAGCC	GATCATCGAA	TATCTCAGCT	CGAATATCGT	GCTGCTGAAA
E_tasmaniensis	ATTAAGCTCG	GCCAGGATCC	GATCATCGAG	TATCTCAACT	CGAATATCGT	GCTGCTGAAA
E_tracheiphila	ATCAAGTTGG	GCAAAGATCC	GATTATCGAA	TACCTGAATT	CCAACATCGT	GCTGCTGAAG
E_typographi	ATCAAGCTGG	GCCAGGCACC	GATTATCGAA	TACCTGAACT	CCAACATCGT	GCTGCTGAAG
P_agglomerans	ATCAAGCTGG	ATAAAGCGCC	GATTATCGAA	TACCTCAGCT	CTAACATCGT	GCTGCTGAAG
P_beijingensis	ATTAAATTGG	GTAAGATCC	GATCATTGAG	TATCTGAATT	CCAATATCGT	ATTGCTGAAG
P_dispersa	ATCAAGCTGG	ATAAAGAGCC	GATCATCGAG	TATCTGAACT	CCAACATCGT	ACTGCTGAAG
P_eucalypti	ATCAAGCTGG	ATAAAGCACC	GATTATTGAA	TACCTGAACT	CCAACATTGT	ACTGCTGAAG
E_sorbitola	ATCAAGCTGA	ACAAAGATCC	AATCATTGAG	TATCTGAACT	CTAATATCGT	GCTGCTGAAG
E_toletana	ATTAAGCTCG	GCAAAGATCC	GATCATCGAA	TATCTCAATT	CCAACATCGT	GCTGCTGAAG
unknown_DE2	ATCAAGCTGG	GTCCAGGCACC	GATTATCGAG	TACCTGAACT	CCAACATCGT	GCTGCTGAAG
unknown_E602	ATCAAGCTGG	ATAAAGAGCC	GATTATCGAG	TATCTCAGCT	CCAATATCGT	GCTGCTGAAG
unknown_Ejp617	ATCAAGCTGG	GTAAGATCC	GATTATCGAG	TATCTCAACT	CGAATATCGT	GCTGCTGAAG
unknown_QL-Z3	ATCAAGCTGG	GCCAGGCACC	GATTATCGAG	TACCTGAACT	CCAACATCGT	GCTGTTGAAG

2041

ecoli_K12	TGGATGATCG	CGGAAGGTTA	CGGCGATCGT	CGTACCCCTGG	AACGTCGTAT	TCAGGGCATG
C_E_dacicola	TGGATGATCT	CTGAAGGTTA	CGGCGATCGT	CGTACCATCG	AGCGCCGTAT	CCAGAGCATG
C_E_haradaeae	TGGATGATTT	TAGAAGGTTA	TAGAGATTCT	AAGACTATT	AGCGACGTAT	TGAGAAAATG
E_amylovora	TGGATGATCT	CTGAAGGCTA	TGGCGACCGT	CGTACAATCG	AACGCCGCAT	CCAGGGCATG
E_aphidicola	TGGATGATCT	CTGAAGGTTA	CGGCGACCGT	CGTACCATCG	AGCGCCGTAT	CCAGGGCATG
E_billingiae	TGGATGATCT	CTGAAGGTTA	CGGCGATCGT	CGTACCCCTTG	AGCGTCGTAT	TCAGGGCATG
E_endophytica	TGGATGATTG	CGGAAGGCTA	CGGTGACCGT	CGCACCCCTGG	AACGTCGTAT	CCAGGGCATG
E_iniecta	TGGATGATTG	CTGAAGGCTA	TGGCGACCGC	CGTACGCTGG	AGCGTCGTAT	CCAGGGCATG
E_mallotivora	TGGATGATCT	CTGAAGGTTA	CGGCGATCGC	CGTACGCTGG	AGCGCCGTAT	TCAGGGCATG
E_oleae	TGGATGATCT	CGGAAGGCTA	CGGCGACCGC	CGTACGCTGG	AGCGTCGTAT	TCAGGGCATG
E_persicina	TGGATGATCT	CAGAAGGTTA	CGGCGATCGT	CGTACGCTCG	AGCGCCGTAT	TCAGGGCATG
E_phyllosphaerae	TGGATGATTG	CGGAAGGCTA	TGGCGATCGC	CGTACGCTGG	AACGTCGTAT	TCAGGGCATG
E_piriflorinigrans	TGGATGATCT	CGGAAGGTTA	CGGCGACCGC	CGTACGATTG	AGCGCCGCAT	TCAGGGCATG
E_psidii	TGGATGATCT	CTGAAGGTTA	TGGCGATCGT	CGCACGCTGG	AGCGCCGTAT	TCAGGGGATG
E_pyrifoliae	TGGATGATCT	CTGAAGGTTA	CGGCGACCGC	CGTACTATTG	AGCGCCGCAT	TCAGGGCATG
E_rhapontici	TGGATGATCT	CTGAAGGTTA	CGGCGATCGT	CGTACGCTTG	AACGTCGTAT	TCAGGGCATG
E_tasmaniensis	TGGATGATCT	CGGAAGGTTA	CGGCGACCGC	CGTACTATCG	AACGCCGTAT	TCAGGGTATG
E_tracheiphila	TGGATGATCT	CAGAAGGTTA	CGGCGACCGC	CGTACGCTGG	AGCGCCGTAT	TCAGGGAATG
E_typographi	TGGATGATCT	CTGAAGGTTA	CGGCGATCGT	CGTACTATTG	AGCGCCGTAT	CCAGGGCATG
P_agglomerans	TGGATGATCG	CAGAAGGCTA	CGGCGATCGT	CGTACGCTGG	AGCGTCGCAT	TGAAGGTATG
P_beijingensis	TGGATGATCG	CAGAAGGCTA	TGGCGATCGT	CGTACGCTGG	AGCGCCGCAT	CCAGGGTATG
P_dispersa	TGGATGATCT	CGGAAGGCTA	CGGCGACCGT	CGTACGCTGG	AGCGCCGTAT	CCAGGGCATG
P_eucalypti	TGGATGATCG	CAGAAGGCTA	CGGCGATCGT	CGTACACTGG	AGCGTCGTAT	TGAAGGCATG
E_sorbitola	TGGATGATCT	CGGAAGGTTA	TGGCGATCGT	CGTACTATCG	AACGCCGTAT	TCAGGGCATG
E_toletana	TGGATGATTG	CTGAAGGCTA	TGGCGACCGC	CGTACGCTGG	AGCGCCGTAT	CCAGGGCATG
unknown_DE2	TGGATGATTT	CGGAAGGCTA	CGGCGACCGT	CGTACGCTGG	AGCGTCGTAT	CCAGGGCATG
unknown_E602	TGGATGATCT	CGGAAGGCTA	CGGCGATCGC	CGTACGCTGG	AGCGCCGTAT	TCAGGGTATG
unknown_Ejp617	TGGATGATCT	CTGAAGGCTA	CGGCGACCGC	CGTACTATTG	AGCGCCGCAT	TCAGGGCATG
unknown_QL-Z3	TGGATGATCT	CTGAAGGTTA	CGGCGATCGT	CGTACCCCTTG	AGCGTCGTAT	TCAGGGCATG

2101

ecoli_K12	GAAAAATGGC	TGGCGAATCC	TGAGCTGCTG	GAAGCCGATG	CAGATGCGGA	ATACGCGGCA
C_E_dacicola	GAGAAATGGC	TGGCGAATCC	ACAGCTGATG	GAAGGCGACG	CTGACGCGGA	ATACGCGGCG
C_E_haradaeae	GAAAAATGGT	TATTAACCCC	TATCTATT	AAAGCAGATA	ATAATGCTCA	ATATTCTGCA
E_amylovora	GAAAAATGGC	TGGCGAATCC	GCAACTGCTG	GAAGGCGACG	CAGACGCGGA	ATACGCTGCG
E_aphidicola	GAGAAATGGC	TGGCGGATCC	TCAGCTGATG	GAAGGCGATG	CTGACGCGGA	ATACGCGGCA
E_billingiae	GAAAAATGGC	TGCTGAACCC	GAATCTGCTG	GAAGCCGATG	CGGATGCAGA	GTACGCGGCA
E_endophytica	GAAAAATGGC	TGGCTGACCC	GCAATCTGCTG	GAAGGCGATG	CGGATGCGGA	ATACGCTGCG
E_iniecta	CAGAAATGGC	TGGACGATCC	GCAACTGCTG	GAAGGTGATG	CGGATGCGGA	ATACGCCGCG
E_mallotivora	GAGAAATGGC	TGGCCGAGCC	TGAACTGCTG	GAAGGCGATG	CGGATGCGGA	GTATGCGGCG
E_oleae	GAGAAATGGC	TGGACGATCC	GCAACTGATG	GAAGGCGATG	CCGATGCGGA	ATACGCAGCG
E_persicina	GAAAAATGGC	TGGCCGATCC	ACAACTGCTG	GAAGGCGATG	CGGATGCGGA	ATATGCGGCA
E_phyllosphaerae	GAAAAATGGC	TGGCGGATCC	ACAGCTGCTG	GAAGGCGATG	CGGATGCAGA	GTACGCGGCG
E_piriflorinigrans	GAAAAATGGC	TGGCCGATCC	TCAGCTGCTG	GAAGGCGATG	CTGATGCAGA	TATATGCAGCG
E_psidii	GAGAAATGGC	TGGCCACACC	TGAACTGCTG	GAAGGGGATG	CCGATGCGGA	ATATGCCGCG
E_pyrifoliae	GAAAAATGGC	TGACCGATCC	TCAACTGCTG	GAAGGCGATG	CAGACGCGGA	ATATGCGGCG
E_rhapontici	GAAAAATGGC	TGGCCGACCC	GCACTGCTG	GAAGGCGATG	CGGATGCGGA	ATACGCTGCG
E_tasmaniensis	GAAAAATGGC	TGGCCGATCC	GCAACTGCTG	GAAGGTGATG	CCGAGGCAGA	GTATGCGGCG
E_tracheiphila	GAGAAATGGC	TGGCCGATCC	GCAGCTGCTG	GAAGGGGATG	CGGATGCGGA	ATATGCTGCG
E_typographi	GAAAAATGGC	TGGCAGACCC	GCAGCTGCTG	GAAGGCGATG	CGGATGCAGA	ATACGCGGCG
P_agglomerans	GAGAAATGGC	TGGCCGATCC	TCAGTTGCTT	GAGCCGGATG	CCGATGCTGA	ATATGCCGCC
P_beijingensis	GAAAAATGGC	TGGCCGATCC	GCAACTGCTT	GAAGGTGATG	CGGATGCAGA	ATACGCGGCG
P_dispersa	GAAAAATGGC	TGGCCGATCC	GCAACTGCTG	GAAGCCGATG	CCGATGCGGA	ATACGCAGCG
P_eucalypti	CAGAAATGGC	TGGCCGATCC	TCAGTTGCTG	GAAGCAGACG	CCGATGCTGA	ATATGCTGCG
E_sorbitola	GAAAAATGGC	TGGCCGATCC	GCAGCTGCTT	GAAGGCGATG	CAGATGCAGA	GTACGCCGCA
E_toletana	CAGAAATGGC	TGGACGATCC	GCAGCTGCTG	GAAGGTGATG	CCGATGCGGA	ATACGCAGCG
unknown_DE2	GAAAAATGGC	TGGCTGCGCC	AACGCTGCTG	GAAGGCGATG	CGGATGCGGA	GTACGCCGCA
unknown_E602	GAGAAATGGC	TGGCCCAATCC	TGAACTGCTG	GAAGGCGACG	CCGATGCCGA	GTACGCCGCG
unknown_Ejp617	GAAAAATGGC	TGACCGATCC	TCAACTGCTG	GAAGGCGATG	CAGACGCGGA	ATATGCGGCG
unknown_QL-Z3	GAAAAATGGC	TGTCTGAACC	GAATCTGCTG	GAAGCCGATG	CGGATGCAGA	GTACGCCGCA

2161

ecoli_K12	GTGATCGACA	TCGATCTGGC	GGATATTAAA	GAGCCAATCC	TGTGTGCTCC	GAACGACCCG
C_E_dacicola	GTGATCGAGA	TCGATCTGGC	CGACATCAAA	GAGCCAATCC	TCTGTGCGCC	AAACGACCCG
C_E_haradaeae	GTAATTAATA	TTAATTTAGA	TGAGATTACA	GAACCTATAT	TATGTGCACC	TAACGATCCG
E_amylovora	GTGATCGATA	TCGATCTGGC	AGAGATCAAA	GAGCCAATTC	TGTGTGCGCC	TAACGATCCG
E_aphidicola	GTCATCGAAA	TCGATCTGGC	CGACATCAAA	GAGCCAATTC	TCTGTGCGCC	AAACGACCCG
E_billingiae	GTGATCGAAA	TCGATCTGGC	GGAGATCAAG	GAGCCGATCC	TGTGTGCGCC	AAACGATCCG
E_endophytica	GTTATCGAGA	TAGATCTGGC	GGAGATCAAC	GAACCGATCC	TGTGCGCGCC	GAACGATCCG
E_iniecta	GTGATCGATA	TCGATCTGGC	TGACATCAAA	GAGCCAATCC	TGTGCGCGCC	GAACGATCCT
E_mallotivora	GTGATCGATA	TCGATTTGGC	GGAAATCAAA	GAGCCGATTC	TGTGCGCGCC	GAACGATCCG
E_oleae	GTGATCGACA	TCGATCTGGC	GGAGATCAAA	GAGCCATATC	TTTGGCGGCC	AAACGATCCT
E_persicina	GTGATCGATA	TCGATCTGGC	CGATATTAAA	GAGCCGATCC	TGTGTGCGCC	GAACGATCCG
E_phyllosphaerae	GTAATCGATA	TCGATCTGGC	TGAGATCAAA	GAGCCAATTC	TGTGCGCACC	GAACGATCCG
E_piriflorinigrans	GTGATCGACA	TCGATCTGGC	AGAGATCAAA	GAGCCAATTC	TGTGCGCGCC	AAACGATCCG
E_psidii	GTGATCGACA	TCGATCTGTC	GGAGATCAAA	GAACCTATCC	TGTGTGCGCC	GAACGACCCC
E_pyrifoliae	GTGATCGATA	TCGATCTGGC	AGAGATCAAA	GAACCAATTC	TGTGTGCGCC	GAACGATCCG
E_rhapontici	GTGATCGACA	TCGATCTGGC	AGATATTAAA	GAGCCGATTC	TGTGTGCACC	GAATGACCCG
E_tasmaniensis	GTAATCGATA	TCGATCTGGC	AGAGATCAAA	GAGCCCATTC	TGTGCGCGCC	GAACGATCCG
E_tracheiphila	GTGATCGATA	TCGATCTGGT	GGAAATCAAA	GAACCTATTC	TGTGTGCGCC	GAACGATCCA
E_typographi	GTCATTGAGA	TCGATCTGGC	TGAAATCAAA	GAGCCGATCC	TGTGCGCGCC	AAACGATCCT
P_agglomerans	GTGATCGAAA	TCGATCTGGC	TGAAATCAAA	GAGCCAATCC	TCTGTGCGCC	AAACGATCCG
P_beijingensis	GTCATTGATA	TCGATCTGGC	TGATATCAAA	GAGCCATATC	TGTGTGCGCC	AAACGATCCG
P_dispersa	GTGATCGAAA	TCGATCTGGC	GGAAATCAAA	GAGCCCATCC	TGTGCGCGCC	GAACGATCCG
P_eucalypti	GTGATCGAAA	TCGATCTGGC	TGACATCAAA	GAGCCGATCC	TCTGCGCACC	AAACGATCCG
E_sorbitola	GTGATCGAAA	TCGATCTGGC	GGATATCAAA	GAGCCAATTC	TGTGTGCGCC	AAACGATCCG
E_toletana	GTGATCGATA	TCGATCTGGC	TGATATCAAA	GAGCCAATCC	TGTGTGCGCC	AAACGATCCT
unknown_DE2	GTGATCGAGA	TCGATCTGGC	TGAAATCAAA	GAGCCAATTC	TGTGCGCGCC	AAACGATCCT
unknown_E602	GTGATCGAAA	TCGACCTGGC	AGAGATCAAA	GAGCCGATCC	TCTGCGCACC	AAACGACCCG
unknown_Ejp617	GTGATCGATA	TCGATCTGGC	AGAGATCAAA	GAACCAATTC	TGTGTGCGCC	GAACGATCCG
unknown_QL-Z3	GTGATCGAAA	TCGATCTGGC	GGAGATCAAG	GAGCCGATCC	TGTGTGCGCC	AAACGATCCG

2221

ecoli_K12	GATGACGGGC	GTCGGCTGTC	TGCGGTACAG	GGTGAGAAGA	TCGACGAAGT	GTTTATCGGT
C_E_dacicola	GATGATGGCG	GCGTGCTGTC	CGACGTGCAG	GGCACCAGA	TTGACGAAGT	GTTTCTTGGC
C_E_haradaeae	GATAATGTCT	GCTTTTATTC	TGAAGTGGAG	AATACAAGAA	TTGATGAGGT	ATTCAATTGG
E_amylovora	GACGATGGCG	GTCGTCTTTC	TGACGTACAG	GGCACCAGAA	TTGACGAGGT	GTTTATCGGT
E_aphidicola	GACGATGGCC	GCGTGCTGTC	CGACGTGCAG	GGCACCAGA	TTGACGAAGT	GTTTATTGGC
E_billingiae	GACGATGGCC	GTCGTCTGTC	TGATGTTCAG	GGCGAGAAAA	TCGATGAAGT	GTTTATCGGC
E_endophytica	GACGATGGCC	GCGTGCTGTC	AGAAGTACAG	GGTGAGCAGA	TCGATGAGGT	CTTTATTGGC
E_iniecta	GACGATGGCG	GTCTGCTGTC	TGACGTGCAG	GGCGAGAAGA	TCGACGAAGT	GTTTATCGGT
E_mallotivora	GACGACGGCC	GCGTATTGTC	TGATGTGCAG	GGCGAGAAGA	TCGATGAGGT	GTTTATCGGT
E_oleae	GACGATGGCG	GTCTGCTGTC	GGACGTGCAG	GGCGAGAAGA	TCGACGAGGT	ATTTATCGGC
E_persicina	GATGATGGCC	GTCTGCTGTC	TGACGTGCAG	GGTACAAAAA	TCGACGAAGT	CTTTATCGGT
E_phyllosphaerae	GACGATGGCG	GTCTGCTGTC	TGACGTGCAG	GGCGAAAAGA	TTGACGAAGT	CTTTATCGGT
E_piriflorinigrans	GACGATGGCC	GTCTGCTGTC	TGATGTGCAG	GGAACCAAAA	TCGACGAAGT	GTTTATTGGT
E_psidii	GATGATGGCC	GCGTGTGTC	GGACGTGCAG	GGCGAGAAAA	TCGATGAGGT	CTTTATCGGT
E_pyrifoliae	GACGATGGCG	GCTTGTGTC	TGACGTGCAG	GGCACCAGAA	TTGACGAGGT	GTTTATCGGT
E_rhapontici	GATGATGGCC	GTCTGCTGTC	TGATGTGCAG	GGCACAAGAA	TCGATGAAGT	CTTTATCGGT
E_tasmaniensis	GACGATGGCC	GTTTGTGTC	AGACGTGCAG	GGCACAAGAA	TCGACGAGGT	GTTTATCGGC
E_tracheiphila	GACGATGGCC	GTCTGTGTC	GGATGTTCAG	GGCGAGAAGA	TCGATGAGGT	CTTTATCGGT
E_typographi	GACGATGGCC	GTCTGCTGTC	TGACGTGCAG	GGCGAGAAGA	TTGACGAAGT	ATTTATCGGC
P_agglomerans	GACGATGCAC	GTCTGCTGTC	TGACGTGCAG	GGTGAGAAGA	TCGACGAAGT	GTTTATCGGC
P_beijingensis	GACGATGGCC	GCTTGTGTC	TGACGTGCAG	GGCGAAAAAA	TCGACGAAGT	CTTTATCGGT
P_dispersa	GACGACGCAC	GCTGGCTGTC	TGACGTGCAG	GGCGAGAAGA	TCGACGAAGT	ATTCATCGGT
P_eucalypti	GACGATGCAC	GTCTGCTGTC	TGACGTGCAG	GGCGAGAAGA	TCGACGAAGT	GTTTATCGGC
E_sorbitola	GATGATGGCC	GCGTGTGTC	TGATGTGCAG	GGTACAAAAA	TCGATGAAGT	ATTTATCGGT
E_toletana	GATGATGGCG	GTCTGCTGTC	TGACGTGCAG	GGTGAGAAGA	TCGACGAAGT	GTTTATCGGT
unknown_DE2	GATGATGGCC	GTCTGCTGTC	CGATGTGCAG	GGCGAGAAGA	TCGATGAAGT	ATTTATCGGC
unknown_E602	GACGACGGCC	GTCTGCTGTC	TGACGTGCAG	GGTGAGAAGA	TCGACGAAGT	GTTTATTGGT
unknown_Ejp617	GACGATGGCG	GCTTGTGTC	TGACGTGCAG	GGCACCAGAA	TTGACGAGGT	GTTTATCGGT
unknown_QL-Z3	GACGATGGCC	GTCTGCTGTC	TGATGTTCAG	GGCGAGAAAA	TCGATGAAGT	GTTTATCGGC

2281

ecoli_K12	TCCTGCATGA	CCAACATCGG	TCACITCCGT	GCTGCGGGTA	AACTGCTGGA	TG---CGCAT
C_E_dacicola	TCCTGCATGA	CCAACATCGG	TCACITCCGT	GC GGCTGGTA	AGCTTCTGGA	TG---CGCAC
C_E_haradaeae	TCCTGTATGA	CAAATATTAG	TCATTTCCGC	GTAGCAGCAG	AGTTATTAATA	AAACTGGCAA
E_amylovora	TCGTGCATGA	CCAACATTGG	TCACITCCGT	GCTGCCGGTA	AGCTGCTGGA	TA---GCCAT
E_aphidicola	TCCTGCATGA	CCAACATCGG	TCACITCCGT	GCGGCTGGTA	AGCTGCTGGA	TG---CGCAC
E_billingiae	TCTTGCATGA	CCAACATCGG	TCACITCCGT	GCGGCCGGTA	AGCTGCTGGA	TA---GCCAC
E_endophytica	TCCTGCATGA	CTAATATTGG	TCATTTCCGT	GCGGCAGGTA	AACTGCTGGA	CA---GCCAC
E_iniecta	TCCTGCATGA	CCAACATTGG	TCACITCCGT	GCTGCCGGTA	AACTGCTGGA	TG---CGCAT
E_mallotivora	TCCTGTATGA	CTAACATCGG	CCACTTCCGT	GCGGCAGGTA	AGTTGCTGGA	CA---GCCAT
E_oleae	TCCTGTATGA	CCAACATCGG	CCACTTCCGT	GCGGCCGGCA	AGCTGCTGGA	CA---GCCAT
E_persicina	TCCTGCATGA	CGAACATCGG	TCACITCCGT	GCGGCCGGCA	AACTGCTGGA	TG---CGCAT
E_phyllosphaerae	TCCTGCATGA	CCAACATCGG	TCACITCCGT	GCGGCCGGCA	AGCTGCTGGA	CA---GCCAT
E_piriflorinigrans	TCATGCATGA	CCAACATCGG	TCACITCCGT	GCTGCCGGTA	AGCTGCTGGA	TA---GCCAT
E_psidii	TCCTGTATGA	CAAATATCGG	TCATTTCCGC	GCGGCCGGTA	AGCTGCTGGA	CA---GCCAT
E_pyrifoliae	TCGTGCATGA	CCAACATTGG	TCACITCCGT	GCTGCCGGTA	AGCTGCTGGA	TA---GCCAT
E_rhapontici	TCCTGCATGA	CCAACATCGG	CCACTTCCGT	GCGGCTGGGA	AACTGCTGGA	TG---CGCAT
E_tasmaniensis	TCCTGCATGA	CCAACATTGG	TCATTTCCGT	GCTGCCGGTA	AGCTGCTGGA	TA---GCCAT
E_tracheiphila	TCCTGCATGA	CCAACATTGG	TCACITCCGT	GCGGCCGGTA	AGCTGCTGGA	CA---GCCAT
E_typographi	TCCTGCATGA	CCAACATCGG	CCACTTCCGT	GCGGCAGGCA	AGCTGCTGGA	CA---GCCAC
P_agglomerans	TCATGCATGA	CCAACATTGG	TCACITCCGT	GCTGCGGGTA	AACTGCTGGA	TA---GCCAC
P_beijingensis	TCCTGCATGA	CAAACATCGG	TCACITCCGT	GCTGCAGGTA	AACTGCTGGA	TA---GCCAC
P_dispersa	TCGTGCATGA	CCAACATCGG	TCACITCCGT	GCGGCAGGTA	AACTGCTGGA	CG---CGCAC
P_eucalypti	TCATGCATGA	CTAACATTGG	CCACTTCCGT	GCGGCCGGTA	AACTGCTGGA	TA---GCCAC
E_sorbitola	TCCTGCATGA	CCAACATCGG	CCACTTCCGT	GCTGCCGGTA	AGCTGCTGGA	TG---CCCAT
E_toletana	TCCTGCATGA	CCAACATTGG	TCACITCCGT	GCTGCCGGTA	AACTGCTGGA	TG---CGCAT
unknown_DE2	TCTTGCATGA	CAAATATCGG	CCACTTCCGT	GCGGCCGGTA	AGCTGCTGGA	CA---GCCAT
unknown_E602	TCGTGCATGA	CCAACATCGG	CCACTTCCGT	GCGGCCGGTA	AACTGCTGGA	TG---CGCAT
unknown_Ejp617	TCGTGCATGA	CCAACATTGG	TCACITCCGT	AGCTGCCGTA	AGCTGCTGGA	TA---GCCAT
unknown_QL-Z3	TCTTGCATGA	CCAACATCGG	TCACITCCGT	GCGGCCGGTA	AGCTGCTGGA	TA---GCCAC

2341

ecoli_K12	AAAGGTCAGT	TGCCGACCCG	CCTGTGGGTG	GCACCGCCAA	CCCGTATGGA	CGCCGCACAG
C_E_dacicola	AAAGGCCAGC	TGCCAACCCG	TCTGTGGGTG	GCTCCGCCAA	CCAAGATGGA	TGCGGCGCAG
C_E_haradaeae	AAGGATTCCT	TACCAACACG	TTTATGGGTA	GCGCCACCGA	CTAAAAATGGA	TGTAGAGCAG
E_amylovora	AAAGGCCAGC	TGCCAACCCG	TTTATGGGTA	GCACCAACCGA	CTAAGATGGA	TGCGGCGCAG
E_aphidicola	AAAGGCCAGC	TGCCAACCCG	TCTGTGGGTG	GCTCCGCCAA	CCAAGATGGA	CGCGGCGCAG
E_billingiae	AAAGGCCAGC	TGCCGACCCG	TCTGTGGGTG	GCACCGCCAA	CCAAGATGGA	CGCGGCGCAG
E_endophytica	AAAGGCCAGC	TACCCACCCG	TCTGTGGGTG	GCGCCGCCGA	CCAGGATGGA	TGCGGCGCAA
E_iniecta	AAAGGCCAGT	TACCCACCCG	CCTGTGGGTG	GCTCCGCCAA	CCAAGATGGA	TGCGGCGCAG
E_mallotivora	AAGGGCCAGT	TGCCATACCG	TTTATGGGTA	GCACCAACCGA	CCAAGATGGA	CGCGGCGCAG
E_oleae	AAAGGCCAGT	TGCCAAGCGG	TTTGTGGGTG	GCGCCGCCAA	CCAAGATGGA	CGCGGCGCAG
E_persicina	AAAGGCCAGC	TGCCAACCCG	TCTGTGGGTG	GCTCCGCCCA	CCAAGATGGA	TGCGGCGCAG
E_phyllosphaerae	AAAGGCCAGT	TGCCAAGCGG	TCTGTGGGTA	GCCCCACCGA	CCAAAATGGA	TGCGGCGCAG
E_piriflorinigrans	AAAGGCCAGC	TGCCAACCCG	TCTTTGGGTG	GCACCAACCGA	CCAAAATGGA	TGCGGCGCAG
E_psidii	AAAGGTCAGC	TGCCAAGCGG	TCTTTGGGTG	GCTCCGCCCA	CCAAGATGGA	CGCGGCCCCAG
E_pyrifoliae	AAAGGCCAGC	TGCCATACCG	TTTATGGGTA	GCACCAACCA	CTAAGATGGA	TGCGGCGCAG
E_rhapontici	AAAGGCCAGC	TGCCATACCG	TCTTTGGGTG	GCTCCGCCAA	CCAAGATGGA	TGCGGCGCAG
E_tasmaniensis	AAAGGCCAGT	TGCCAACCCG	TCTGTGGGTA	GCACCGCCCA	CTAAAAATGGA	CGCGGCGCAG
E_tracheiphila	AAAGGCCAGC	TGCCAACCCG	CCTGTGGGTG	GCTCCGCCAA	CCAAAATGGA	CGCGGCGCAG
E_typographi	AAAGGCCAGC	TGCCGACCCG	TCTGTGGGTG	GCGCCGCCAA	CCAAGATGGA	TGCCGCCCCAG
P_agglomerans	AAAGGCCAGC	TGCCAACCCG	TCTGTGGGTG	GCACCGCCAA	CCAAGATGGA	TGCGGCGCAG
P_beijingensis	AAAGGCCAGC	TGCCGACCGG	TCTGTGGGTG	GCACCGCCAA	CCAAAATGGA	TGCGGCGCAG
P_dispersa	AAAGGCCAGC	TGCCGACCCG	CCTGTGGGTA	GCGCCGCCAA	CCAAGATGGA	TGCCGCGCAG
P_eucalypti	AAAGGTCAGC	TGCCAAGCGG	TCTGTGGGTG	GCACCGCCAA	CCAAGATGGA	TGCAGCGCAG
E_sorbitola	AAGGGTCAGT	TGCCAACCCG	TCTGTGGGTT	GCTCCGCCAA	CCAAGATGGA	TGCAGCGCAG
E_toletana	AAAGGCCAGT	TGCCAAGCGG	TCTGTGGGTG	GCACCGCCAA	CCAAAATGGA	TGCGGCTCAG
unknown_DE2	AAAGGCCAGC	TGCCGACCGG	TCTTTGGGTG	GCTCCGCCAA	CCAAGATGGA	TGCCGCGCAG
unknown_E602	AAAGGCCAGC	TGCCAACCCG	CCTGTGGGTG	GCTCCGCCAA	CCAAGATGGA	TGCGGCGCAG
unknown_Ejp617	AAAGGCCAGC	TGCCATACCG	TTTATGGGTA	GCACCAACCA	CTAAGATGGA	TGCGGCGCAG
unknown_QL-Z3	AAAGGCCAGC	TGCCGACCCG	TCTGTGGGTG	GCACCGCCAA	CCAAGATGGA	CGCGGCGCAG

2401

ecoli_K12	TTGACCGAAG	AAGGGCTACTA	CAGCGTCTTC	GGTAAGAGTG	GTGCGCGTAT	CGAGATCCCT
C_E_dadicola	CTGACCGAAG	AGGGCTACTA	CAGCGTGTTC	GGTAAGAGTG	GCGCGCGCAT	CGAGATTCCG
C_E_haradaeae	CTAAAAGAAG	AAGGTACTA	TAGCATTTTT	ATCAACAAAG	GTGCGCGTAT	GGAGATGCCA
E_amylovora	CTCACCAGAG	AGGGCTATTA	CAGCGTGTTC	GGTAAAAGCG	GGGCGCGCAT	TGAAATCCCG
E_aphidicola	CTGACTGAAG	AGGGCTACTA	CAGCGTGTTC	GGTAAGAGCG	GTGCGCGCAT	CGAGATCCCC
E_billingiae	CTGACCGAAG	AGGGCTATTA	CAGCGTCTTC	GGTAAGAGCG	GTGCGCGTAT	CGAGATCCCG
E_endophytica	CTGACCGAAG	AGGGCTATTA	CAGCGTCTTC	GGTAAGAGTG	GGGCGCGTAT	TGAGATCCCG
E_iniecta	CTGACCGAAG	AGGGCTACTA	CAGTGTGTTT	GGTAAGAGCG	GAGCGCGTAT	TGAGATCCCA
E_mallotivora	CTGACCGAAG	AGGGCTACTA	CAGCGTCTTT	GGTAAGAGCG	GTGCGCGTAT	TGAGATCCCG
E_oleae	CTCACCAGAG	AGGGCTACTA	CAGCGTGTTC	GGTAAGAGCG	GGGCGCGCAT	TGAGATCCCT
E_persicina	CTGACTGAAG	AAGGTACTA	CAGCGTGTTC	GGTAAGAGCG	GTGCGCGTAT	CGAGATCCCT
E_phyllosphaerae	CTGACCGAAG	AAGGTATTA	CAGCGTATTC	GGTAAGAGCG	GCGCGCGTAT	TGAGATCCCA
E_piriflorinigrans	TTGACTGAAG	AGGGTACTA	CAGCGTGTTC	GGCAAAGCG	GTGCGCGTAT	TGAAATCCCC
E_psidii	CTGACCGAAG	AGGGCTACTA	CAGCGTCTTT	GGTAAGAGCG	GTGCGCGTAT	TGAGATCCCA
E_pyrifoliae	CTCACCAGAG	AAGGTATTA	CAGCGTGTTC	GGTAAAAGCG	GGGCGCGCAT	TGAAATCCCG
E_rhapontici	CTGACCGAGG	AAGGTACTA	CAGCGTATTC	GGTAAGAGCG	GCGCGCGCAT	TGAGATCCCG
E_tasmaniensis	CTAACCAGAG	AAGGTATTA	CAGCGTATTC	GGTAAAAGCG	GTGCGCGTAT	TGAAATCCCG
E_tracheiphila	CTGACCGAAG	AGGGTATTA	CAGCGTCTTT	GGTAAGAGCG	GCGCGCGTAT	TGAGATCCCT
E_typographi	CTGACCGAAG	AGGGCTACTA	CAGCGTCTTT	GGTAAGAGCG	GCGCGCGTGT	CGAAATCCCG
P_agglomerans	CTGACCGAAG	AAGGGCTACTA	CAGCGTATTC	GGCAAAGCG	GTGCGCGTAT	CGAGATCCCG
P_beijingensis	TTGACCGAAG	AGGGTATTA	CAGCGTATTC	GGTAAGAGCG	GGGCGCGTAT	TGAGATCCCC
P_dispersa	CTGACAGAAG	AGGGCTACTA	CAGCGTCTTT	GGTAAGAGCG	GTGCGCGTAT	CGAGATCCCG
P_eucalypti	CTAACCAGAG	AGGGCTACTA	CAGCGTATTC	GGCAAAGCG	GTGCGCGTAT	CGAGATCCCA
E_sorbitola	CTGACCGAAG	AAGGTATTA	CAGCGTGTTC	GGTAAGAGCG	GTGCGCGTAT	CGAGATCCCT
E_toletana	CTGACTGAAG	AGGGCTATTA	CAGTGTGTTT	GGTAAGAGCG	GAGCGCGTAT	TGAGATCCCT
unknown_DE2	CTGACCGAAG	AGGGCTACTA	CAGCGTCTTC	GGTAAGAGCG	GTGCGCGTAT	TGAGATCCCG
unknown_E602	CTGACCGAAG	AGGGCTACTA	CAGCGTGTTC	GGTAAGAGCG	GCGCGCGCAT	TGAGATCCCG
unknown_Ejp617	CTCACCAGAG	AAGGTATTA	CAGCGTGTTC	GGTAAAAGCG	GGGCGCGCAT	TGAAATCCCG
unknown_QL-Z3	CTGACCGAAG	AGGGCTACTA	CAGCGTCTTC	GGTAAGAGCG	GTGCGCGTAT	CGAGATCCCG

2461

ecoli_K12	GGGTGTTCCC	TGTGTATGGG	TAACCAGGCG	CGTGTGGCGG	ACGGTGCAAC	GGTGGTTTTCC
C_E_dadicola	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCG	CGTGTGGCAG	ATGGTGCAAC	GGTGGTGTCC
C_E_haradaeae	GGATGTTCTT	TATGCATGGG	TAATCAAGCA	CGTGTATCAA	ATGGTGCGAC	TGTTCTTTCA
E_amylovora	GGGTGTTCCG	TGTGCATGGG	CAACCAGGCG	CGGGTAGCGG	ACGGCGCGAC	CGTGGTTTTCC
E_aphidicola	GGGTGTTCCC	TGTGCATGGG	TAACCAGGCG	CGTGTGGCAG	ATGGCGCAAC	GGTGGTGTCC
E_billingiae	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCG	CGTGTGGCAG	ATGGCGCGAC	GGTGGTGTCC
E_endophytica	GGGTGTTCCG	TGTGTATGGG	GAACCAGGCG	CGGGTAGAGG	ACGGGGCGAC	GGTGGTGTCC
E_iniecta	GGTTGCTCAC	TGTGTATGGG	TAACCAGGCG	CGTGTGCTTG	ATGGTTCGAC	GGTGGTTTTCC
E_mallotivora	GGTTGTTCCG	TGTGTATGGG	CAACCAGGCG	CGGGTGAAGG	ATGGAGCGAC	GGTGGTGTCC
E_oleae	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCA	CGGGTGGCAG	ACGGCGCGAC	GGTAGTCTCT
E_persicina	GGGTGTTCCG	TGTGCATGGG	GAACCAGGCG	CGGTGGCCGG	ATGGGGCGAC	AGTGGTATCG
E_phyllosphaerae	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCG	CGGTGGCCGG	ATGGCGCAAC	GGTGGTTTTCT
E_piriflorinigrans	GGTTGTTCCG	TATGCATGGG	GAACCAGGCT	CGGGTGGCGG	ATGGCGCGAC	CGTGGTGTCC
E_psidii	GGGTGTTCCG	TGTGCATGGG	CAACCAGGCA	CGGGTGAAGG	ACGGGGCGAC	GGTGGTGTCC
E_pyrifoliae	GGGTGTTCCG	TATGCATGGG	GAACCAGGCG	CGGGTAGCGG	ACGGTGCAC	CGTGGTGTCC
E_rhapontici	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCA	CGTGTGGCAG	ATGGCGCAAC	GGTGGTATCG
E_tasmaniensis	GGGTGTTCCG	TGTGCATGGG	GAACCAGGCG	CGGGTGGCGG	ACGGCGCGAC	GGTGGTTTTCA
E_tracheiphila	GGGTGTTCCG	TGTGTATGGG	CAACCAGGCG	CGGGTGAAGG	ATGGCGCGAC	TGTGGTGTCC
E_typographi	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCG	CGGTGGCCGG	ACGGTGCAC	GGTGGTTTTCC
P_agglomerans	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCA	CGTGTGGCAG	ATGGTTCGAC	GGTGGTCTCC
P_beijingensis	GGTTGTTCCG	TGTGTATGGG	CAACCAGGCG	CGGTGGCTTG	ACGGTGCAC	CGTGGTATCG
P_dispersa	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCG	CGGTGAAAG	ACGGCGCGAC	GGTGGTTTTCC
P_eucalypti	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCA	CGTGTGGCAG	ACGGTGCAC	GGTGGTTTTCC
E_sorbitola	GGGTGTTCTC	TGTGCATGGG	TAACCAGGCG	CGTGTGGCGG	ACGGTGCAAC	GGTAGTGTCC
E_toletana	GGGTGCTCAC	TGTGTATGGG	TAATCAGGCG	CGGTAGCCG	ATGGGGCGAC	GGTAGTATCT
unknown_DE2	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCG	CGGTGGCAG	ACGGCGCGAC	GGTGGTCTCC
unknown_E602	GGGTGTTCCG	TGTGTATGGG	TAACCAGGCA	CGTGTGAAGG	ATGGCGCGAC	GGTGGTCTCC
unknown_Ejp617	GGGTGTTCCG	TATGCATGGG	GAACCAGGCG	CGGGTAGCGG	ACGGTGCAC	CGTGGTGTCC
unknown_QL-Z3	GGGTGTTCCG	TGTGCATGGG	TAACCAGGCG	CGTGTGGCAG	ATGGCGCGAC	GGTGGTCTCC

2521

ecoli_K12	ACCTCTACCC	GTAACCTTCCC	GAACCGTCTG	GGTACTGGCG	CGAATGTCTT	CCTGGCTTCT
C_E_dadicola	ACCTCCACGC	GTAACCTTCCC	GAACCGGATC	GGTACC GGAG	CCAATGTGTT	CCTAGCATCT
C_E_haradaeae	ACTTCCACTC	GAAACTTTCC	TAACTGTCCT	GGAACCA GTG	CCAATGTGTT	TTTAGCATCT
E_amylovora	ACCTCGACGC	GTAACCTTCCC	GAACCGTCTG	GGCACC GGCG	CCAATGTGTT	CCTGGCCTCT
E_aphidicola	ACCTCCACGC	GTAACCTTCCC	GAACCGTCTG	GGTACC GGTG	CCAACGTCTT	CCTGGCGTCT
E_billingiae	ACCTCAACCC	GTAACCTTCCC	GAACCGTCTG	GGTACC GGTG	CTAACGTCTA	CCTGGCATCA
E_endophytica	ACTTCAACCC	GTAACCTTCCC	GAACCGTCTT	GGCACC GGAG	CCAATGTGTT	TCTGGCGTCA
E_iniecta	ACCTCAACCC	GTAACCTTCCC	GAACCGCTTA	GGTACC GGTG	CTAACGTGTT	CCTTGGCGTCA
E_mallotivora	ACTTCTACCC	GTAACCTTCCC	GAATCGTCTG	GGTAA CGGTG	CTAACGTGTA	CCTGGCCTCT
E_oleae	ACCTCAACCC	GTAACCTTCCC	GAACCGTCTG	GGAACA GGCG	CGAATGTCTA	TCTGGCCTCG
E_persicina	ACGTCAACGC	GTAACCTTCCC	TAAACGTCTG	GGCACC GGCG	CTAACGTCTA	TCTGGCCTCT
E_phyllosphaerae	ACCTCTACGC	GTAACCTTCCC	GAACCGTCTG	GGCAA CGGCG	CAAACGTCTT	TCTGGCCTCG
E_piriflorinigrans	ACCTCAACGC	GTAACCTTCCC	GAATCGTCTT	GGCACC GGCG	CAAATGTGTT	CCTGGCATCA
E_psidii	ACCTCAACCC	GTAACCTTCCC	GAACCGTCTG	GGCAA CGGCG	CTAACGTGTT	TCTGGCGTCT
E_pyrifoliae	ACCTCAACGC	GTAACCTTCCC	GAACCGTCTT	GGCACC GGCG	CTAATGTGTT	CCTGGCATCT
E_rhapontici	ACCTCCACGC	GTAACCTTCCC	GAACCGTCTG	GGAAC GGGTG	CAAATGTGTA	CCTGGCCTCT
E_tasmaniensis	ACCTCAACGC	GTAACCTTCCC	GAACCGTCTG	GGTAA CGGCG	CAAATGTGTT	CCTTGGCGTCT
E_tracheiphila	ACCTCAACCC	GAAACTTCCC	GAACCGCTTG	GGCAA CGGTG	CCAATGTGTT	TCTGGCCTCG
E_typographi	ACCTCAACCC	GTAACCTTCCC	GAACCGCTT	GGCACC GGCG	CGAATGTCTA	TCTGGCCTCG
P_agglomerans	ACTTCGACCC	GTAACCTTCCC	GAACCGTCTG	GGTAA CGGCG	CTAACGTCTA	CCTGGCGTCA
P_beijingensis	ACATCTACCC	GTAACCTTCCC	GAACCGTTTA	GGGACT GGCG	CGAATGTGTT	TCTTGCCTCG
P_dispersa	ACCTCGACCC	GTAACCTTCCC	GAACCGTCTG	GGTACC GGGTG	CCAATGTGTT	CCTGGCATCA
P_eucalypti	ACCTCGACCC	GTAACCTTCCC	GAACCGTCTG	GGTAAATGGCG	CTAACGTCTA	CCTGGCATCT
E_sorbitola	ACTTCAACGC	GTAACCTTCCC	GAACCGTCTC	GGTACT GGCG	CGAATGTGTT	CCTGGCCTCT
E_toletana	ACCTCAACCC	GTAACCTTCCC	GAACCGTTTA	GGCAA TGGCG	CTAACGTGTT	CCTTGGCGTCA
unknown_DE2	ACCTCAACCC	GTAACCTTCCC	GAACCGTCTC	GGTAC GGGAG	CCAACGTGTT	CCTGGCCTCA
unknown_E602	ACCTCCACGC	GTAACCTTCCC	GAACCGTCTG	GGTACC GGCG	CGAACGTGTT	CCTGGCCTCG
unknown_Ejp617	ACCTCAACGC	GTAACCTTCCC	GAACCGTCTT	GGCACC GGCG	CTAATGTGTT	CCTTGGCATCC
unknown_QL-Z3	ACCTCAACCC	GTAACCTTCCC	GAACCGTCTG	GGTACC GGGTG	CTAACGTCTA	CCTGGCATCA

2581

ecoli_K12	GCCGAACTGG	CGGCTGTTGC	GGCGCTGATT	GGCAA ACTGC	CGACGCCGGA	AGAGTACCAG
C_E_dadicola	GCCGAGCTGT	CTGCAGTTGC	TCTCTGCTG	GGCAA ACTGC	CAACGCCGGA	AGAATACCTG
C_E_haradaeae	TCTGAATTAT	CTGCTATAGC	ATCTTTGTTA	GGAAGATTGC	CTAGCTGTAT	TGAGTATAAG
E_amylovora	GCCGAGCTGT	CAGCGGTGGC	ATCGCTGCTG	GGTAA ACTGC	CTACGCCAGC	TGAATATCAG
E_aphidicola	GCCGAGCTGT	CTGCGGTAGC	GTCTCTGCTG	GGCAA ACTGC	CAACGCCGGA	AGAGTACCTG
E_billingiae	GCCGAACTGG	CTGCGGTGCG	GTGCTGTTA	GGCAA ACTGC	CTACGCCAGA	CGAATACCAG
E_endophytica	GCTGAACTGG	CGGCGGTGGC	GGCGTTGCTG	GGTAA ATTGC	CCACCCCGGA	TGAGTACCAG
E_iniecta	GCAGAACTGG	CGGCAGTATC	TTCAC TGTG	GGCAAGCTGC	CAACGCCAGA	CGAGTATCAG
E_mallotivora	GCTGAACCTGG	CTGCGGTGCG	CTCTTTACTG	GGCAAGTTGC	CCACGCCGGA	CGAATACCAG
E_oleae	GCCGAACTCG	CTGCGGTGCG	TTCCTTGTTG	GGCAA GCTGC	CAACGCCGGA	CGAATACCAG
E_persicina	GCCGAACTGT	CAGCGGTGCG	TTCAC TGTG	GGTAA ACTGC	CTACGCCGGA	AGAGTATCTG
E_phyllosphaerae	GCCGAGCTGG	CTGCGGTGCG	TTCGCTGTTA	GGCAA GCTGC	CAACGCCGGA	AGAGTACCAG
E_piriflorinigrans	GCCGAGCTGT	CAGCGGTGGC	GTGCTGTTG	GGTAA ACTGC	CTACGCCAGA	TGAGTATCAG
E_psidii	GCCGAACTGG	CCGCGGTGGC	GTCTCTGCTG	GGCAA ACTGC	CCACGCCGGA	CGAATACCAG
E_pyrifoliae	GCCGAGCTGT	CAGCGGTGGC	ATCGCTGCTG	GGTAA ACTGC	CTACGCCAGC	TGAGTATCAG
E_rhapontici	GCTGAGCTCT	CCGCA GTGCG	TCTCTGCTG	GGTAA ACTGC	CAACGCCGGA	AGAGTATCTG
E_tasmaniensis	GCCGAGCTGT	CTGCGGTGGC	CTGCTGCTG	GGTAA ACTGC	CTACGCCAGA	TGAGTATCAG
E_tracheiphila	GCCGAACTGG	CGGCAGTGGC	ATCCTTACTG	GGCAA GCTGC	CTACGCCGGA	TGAATATCAG
E_typographi	GCTGAACTGG	CTGCGGTGGC	GTGCTGTTA	GGCAA GCTGC	CAACGCCGGA	AGAGTACCAG
P_agglomerans	GCCGAGCTGG	CTGCGGTGCG	GTCTCTGCTT	GGCAA ACTGC	CAACGCCGGA	TGAGTATCAG
P_beijingensis	GCAGAGCTGG	CGGCGGTGCG	TTCGCTGCTC	GGCAA ACTGC	CGACGCCGGA	TGAGTATCAG
P_dispersa	GCCGAGCTGG	CCGCGGTGCG	TTCCTTGCTG	GGTAA ACTGC	CTACGCCGGA	CGAGTATCAG
P_eucalypti	GCCGAGCTGG	CTGCGGTGCG	GTCTCTGCTT	GGCAA ACTGC	CAACGCCGGA	TGAGTATCAG
E_sorbitola	GCCGAGCTGT	CAGCGGTAGC	GTCTCTGCTG	GGTAA ACTGC	CAACGCCGGA	AGAGTATCTG
E_toletana	GCAGAACTGG	CAGCTGTGGC	TTCAC TGTG	GGCAA ATTAC	CCACGCCAGA	CGAGTATCAG
unknown_DE2	GCCGAGCTGG	CTGCGGTGGC	TTCGCTGTTG	GGCAA GCTGC	CGACCCCGGA	TGAGTATCAG
unknown_E602	GCAGAGCTGG	CGGCGGTGGC	GTCCCTGCTG	GGCAA ACTGC	CAACGCCGGA	TGAGTATCAG
unknown_Ejp617	GCCGAGCTGT	CAGCGGTGGC	ATCGCTGCTG	GGTAA ACTGC	CTACGCCAGC	TGAGTATCAG
unknown_QL-Z3	GCCGAACTTG	CTGCGGTGCG	GTGCTGTTA	GGCAA ACTGC	CTACGCCAGA	CGAATACCAG

2641

ecoli_K12	ACCTACGTGG	CGCAGGTAGA	TAAAAACAGCC	GTGATACTTT	ACCGTTATCT	GAACTTCAAC
C_E_dadicola	GAGTTCATGG	ACCAGGTGGA	TAAAACTGCC	GTGGATACCT	ACCGTTACCT	GAATTTTGAC
C_E_haradaeae	GAATTTATGA	AACAAGTCAC	TGATTTTCT	TTGAAAAACT	ATAATTTTTT	AAATTTTAAT
E_amylovora	GGGTTTATGG	ACCAGGTGGA	TAAAAACAGCC	GTGATACTTT	ATCGTTATCT	GAACTTGAT
E_aphidicola	AAGTTTCATGG	ACCAGGTGGA	CAAAACCGCG	GTGGATACCT	ACCGTTACCT	GAACTTTGAC
E_billingiae	CAGTTTATGT	TGCAGGTGGA	TAAAGACCGCG	GTAGACACCT	ACCGTTATCT	GAACTTGAC
E_endophytica	CAGTTTATGG	CGCAGGTGGA	TAAAGACCGCG	GTGGACACCT	ATCGCTATCT	CAACTTGAC
E_iniecta	CAGTTTATGG	AGCAGGTGGA	TAAAGACCGCG	GTAGATACCT	ACCGTTATCT	GAACTTTGAC
E_mallotivora	CAGTTTATGG	ATCAGGTGGA	TAAAGACCGCG	GTGGATACCT	ATCGTTATCT	GAACTTGAC
E_oleae	CAGTTTCATGA	ATCAGGTGGA	TAAAGACCGCG	GTGGACACCT	ACCGTTACCT	GAACTTTGAC
E_persicina	ACGTTTATGG	ATCAGGTGGA	TAAAAACCGCC	GTGATACTTT	ATCGTTACCT	GAACTTTGAC
E_phyllosphaerae	CAGTTTATGA	ATCAGGTGGA	TAAAGACCGCG	GTGGATACCT	ATCGCTATCT	GAACTTGAC
E_piriflorinigrans	ACGTTTATGG	ATCAGGTGGA	TAAAAACCGCC	GTGGATACCT	ATCGCTATCT	GAACTTTGAC
E_psidii	CAGTTTATGA	ACCAGGTGGA	TAAAGACCGCG	GTGGATACCT	ACCGTTATCT	GAACTTTGAC
E_pyrifoliae	GCGTTTATGG	ATCAGGTGGA	TAAAACTGCC	GTGATACTTT	ATCGCTATCT	GAATTTGAC
E_rhapontici	ACGTTTATGG	GCCAGGTGGA	TAAAAACCGCT	GTGGACACCT	ATCGTTATCT	GAACTTGAC
E_tasmaniensis	GCATTTATGG	ATCAGGTGGA	TAAAAACCGCC	GTGGATACCT	ATCGCTATCT	GAATTTGAC
E_tracheiphila	CAGTTTATGG	ACCAGGTGGA	CAAGACCGCG	GTGGATACCT	ACCGTTATCT	GAACTTGAC
E_typographi	AAGTTTATGT	TACAGGTGGA	TAAAGACCGCG	GTAGACACCT	ACCGTTACCT	GAACTTGAC
P_agglomerans	CAATTCATGG	CGCAGGTGGA	TAAAAACCGCC	AGCGACACCT	ATCGCTATCT	CAACTTGAC
P_beijingensis	CAGTTTATGG	CTCAGGTGGA	TAAAAACCGCG	GTGGATACCT	ACCGTTACCT	GAACTTTGAC
P_dispersa	CAGTTTATGG	TGCAGGTGGA	TAAAAACCGCT	GCCGACACCT	ACCGTTACCT	GAACTTGAT
P_eucalypti	CAATTCATGG	AGCAGGTGGA	TAAAAACAGCC	AGCGACACCT	ATCGCTATCT	CAACTTTGAC
E_sorbitola	CAGTTTATGG	ATCAGGTGGA	TAAAACTGCC	GTGGATACCT	ATCGTTATCT	GAACTTGAC
E_toletana	CAGTTTATGG	AGCAGGTGGA	TAAAGACCGCG	GTGGATACCT	ACCGTTATCT	GAACTTTGAC
unknown_DE2	CAGTTTATGT	TACAGGTGGA	TAAAGACTGCG	GTAGACACCT	ATCGCTATCT	GAACTTGAT
unknown_E602	CAGTTTATGG	TTCAAGGTGGA	TAAAAACCGCG	GCGGATACCT	ACCGTTATCT	GAACTTTGAT
unknown_Ejp617	GCGTTTATGG	ACCAGGTGGA	TAAAAACCGCC	GTGATACTTT	ATCGCTATCT	GAATTTGAC
unknown_QL-Z3	CAGTTTATGT	TGCAGGTGGA	TAAAGACCGCG	GTAGACACCT	ACCGTTATCT	GAACTTGAC

2701

ecoli_K12	CAGCTTCTC	AGTACACCGA	GAAAGCCGAT	GGGGTGATTT	TCCAGACTGC	GGTTTAAATG
C_E_dadicola	CAGCTGAGCC	AGTATACCGA	CAAAGCTAAC	GGCGTGATTT	TCCAGACTGC	GGTTTAAATG
C_E_haradaeae	CAATTTATGA	AGAATGACAA	TAAAAACTTA	AAAGTCAATT	TTCAAACCTCA	GATATAAATG
E_amylovora	CGGCTGACGC	AATATACCTGA	CAAAACCGGAT	ACGGTGATTT	TCCAGACCGC	GGTTTAAATG
E_aphidicola	CAGCTGAGCC	AGTACACCGA	CAAAGCTGAC	GGCGTGATTT	TCCAGACTGC	GGTTTAAATG
E_billingiae	AAGCTGTCCC	AGTACACCGA	CAAAGCTGAC	GGTGTGATCT	TCCAGACCGC	CGTATAAATG
E_endophytica	CAGTTGAGTC	AGTACACTGA	CAAAGCTGAC	GGCGTGATAT	TCCAGACCGC	CGTATAAATG
E_iniecta	CAGCTGGGCC	AGTATACCGA	TAAAGCTGAC	GGTGTGATTT	TCCAGACCGC	AGTATAAATG
E_mallotivora	CAGCTGGGCG	AGTATACCGA	GAAAGCTGAC	GGCGTTATTT	TCCAGACCGC	GGTGTAAATG
E_oleae	CGCCTGCCGC	AGTATACCGA	CAAAGCCGAC	AAAGTGATTT	TCCAGACCGC	GATTTAAATG
E_persicina	CAGCTGAGTC	AGTACACCGA	CAAAGCCGAC	GGTGTGATTT	TCCAGACCGC	AGTTTAAATG
E_phyllosphaerae	AAGCTGAATC	AATATACCTGA	AAAAGCCGAC	GGCGTGATTT	TCCAGACCGC	GGTATAAATG
E_piriflorinigrans	CAGCTGACGC	AGTATACCGA	CAAAGCCGAA	GCGGTGATTT	TCCAGACCGC	TGTTTAAATG
E_psidii	CAGCTGTCCG	AGTACACCGA	GAAAGCCGAC	GGCGTTATTT	TCCAGACCGC	GGTATAAATG
E_pyrifoliae	CAGCTAACGC	AATATACCTGA	CAAAGCGGAT	GCGGTGATTT	TCCAGACCGC	GGTTTAAATG
E_rhapontici	CAGTTGAGTC	AGTACACCGA	CAAAGCCGAC	GGCGTGATTT	TCCAGACTGC	GGTTTAAATG
E_tasmaniensis	CAGCTGACGC	AATATACCGA	TAAAGCGGAT	GCGGTGATTT	TCCAGACCGC	TGTTTAAATG
E_tracheiphila	CAGCTTCTC	AGTACACCGA	TAAAGCCGAC	GGTGTAAATTT	TCCAGACGAC	GGTATAAATG
E_typographi	CGCCTTACCC	AGTATACCGA	TAAAGCCGAC	GGCGTGATTT	TCCAGACCGC	CGTGTAAATG
P_agglomerans	CAGCTGACGC	AGTACACCGA	CAAAGCTGAT	GGTGTGATTT	TCCAGACCGC	GGTCTGAATG
P_beijingensis	CAACTGACTC	AATATACCGA	TAAAGCAGAC	GGTGTGATTT	TCCAGACTGC	GGTGTAAATG
P_dispersa	CAGCTGGGCC	AGTACACCGA	AAAAGCGGAT	GGAGTGATTT	TCCAGACCGC	GGTGTAAATG
P_eucalypti	CAGCTGGGCG	AGTACACTGA	CAAAGCTGAC	GGCGTGATTT	TCCAGACTGC	GGTCTGAATG
E_sorbitola	CAGCTGAGTC	AGTACACTGA	TAAAGCCGAC	AGCGTGATTT	TCCAGACTGC	GGTTTAAATG
E_toletana	CAGCTGGGCC	AGTATACCTGA	TAAAGCCGAC	AGCGTGATTT	TCCAGACTGC	TGTTTAAATG
unknown_DE2	CAGCTGTCCG	AGTATACCGA	CAAAGCTGAC	GGCGTGATCT	TCCAGACCGC	CGTGTAAATG
unknown_E602	CGGCTGAGCC	AGTACACCGA	CAAAGCTGAC	GGCGTGATTT	TCCAGACCGC	GGTCTGAATG
unknown_Ejp617	CAGCTAACGC	AATATACCTGA	CAAAGCGGAT	GCGGTGATTT	TCCAGACCGC	GGTTTAAATG
unknown_QL-Z3	AAGCTGTCCC	AGTACACCGA	CAAAGCTGAC	GGTGTGATCT	TCCAGACCGC	CGTATAAATG

2761

ecoli_K12	GCTGATACAA	AAGCAAAACT	CACCCCTCAAC	GGGGATACAG	CTGTTGAACCT	GGATGTGCTG
C_E_dadicola	GCTGATAAAA	AAGCAACGCT	AACCCCTCGAT	GGCGAAGCTC	CTATTAAACT	TAATGTGCTA
C_E_haradaeae	GATAAGAAAA	AAGCAATAT	GACCATCGAT	GGAAAAGATC	CTATTGAATT	GAATATTTTA
E_amylovora	GCTGATAAAA	AAGCAACGCT	AACCCCTCGAT	GGTGAAGCTG	CTATCGAGCT	TGATGTGCTG
E_aphidicola	GCTGATAAAA	AAGCAACGCT	AACCCCTCGAT	GGCGAAGCTC	CTATTGAGCT	TAATGTGCTA
E_billingiae	GCTGATAAAA	AAGCAACGCT	AACCCCTACCA	GGCGAAGCTC	CTATTGAACCT	TGATGTGTTG
E_endophytica	GCTGATAAAA	AAGCAACGCT	AACCTCTACCC	GGCGAAGCTG	ATATTGAACCT	TGATATGCTA
E_iniecta	GCTGATAAAA	AAGCGACACT	AACCCCTGGAA	GGCGAAGCTC	CGATTGAGCT	GGACGTACTG
E_mallotivora	GCTGATAAAA	AGGCAACGCT	AACCCCTACCC	GGCGAAGCGG	CTATTGAACCT	TGACGTGCTG
E_oleae	GCTGATAAAA	AAGCAACGCT	AACGCTTGAA	GGCGAAGCTC	CTATCGAACT	CAATGTGCTT
E_persicina	GCTGATAAAA	AAGCAACGCT	AACCCCTGGAT	GGCGAAGATC	CAATTGAGCT	TGATGTGCTG
E_phyllosphaerae	GCTGATAAAA	AAGCAACGCT	TAACCTGCCA	GGCGAAGATG	CTATTGAACCT	TAACGTGCTA
E_piriflorinigrans	GCTGATAAAA	AAGCAACGCT	AACCCCTCGAT	GGTGAAGCTC	CGATCGAGCT	CGATGTGCTG
E_psidii	GCTGATAAAA	AGGCAACGCT	AAACCTACCC	GGCGAAGCGG	CTATTGAACCT	TGATGTGCTC
E_pyrifoliae	GCTGATAAAA	AAGCAACGCT	AACCCCTCGAT	GGTGAAGCTG	CTATCGAGCT	TGATGTGCTT
E_rhapontici	GCTGATAAAA	AAGCAACACT	AACCCCTGGAT	GGCGAAGATC	CTATCGTGCT	CGATGTACTG
E_tasmaniensis	GCTGATAAAA	AAGCAACGCT	AACCCCTCGAT	GGTGAAGCTC	CGATCGAGCT	TGATGTGCTA
E_tracheiphila	GCTGATAAAA	AGGCAACGCT	TAACCTACCC	GGCGAAGCGG	CTATTGAACCT	TGATGTGCTG
E_typographi	GCTGATAAAA	AAGCAACGCT	AACCCCTACCA	GGCGAAGCTC	CTATTGAACCT	TGACGTGCTG
P_agglomerans	ACAGATAAAA	AAGTAACGCT	AACCCCTGCAA	GATGGAAACAT	CTATTGAACCT	GGACGTGCTG
P_beijingensis	GCTGATAAAA	AAGCAACGCT	GACCCCTGGAA	GGCGAAGCTC	CTATTGAACCT	GGATGTGTTA
P_dispersa	ACAGATAAAA	AAGTGACGCT	AACCCCTACAA	GATAACAACAT	CCGTGGAACT	GGATGTGATG
P_eucalypti	ACAGATAAAA	AATTAAACGCT	AACCCCTGCAA	GATGGAAACAT	CTATTGAACCT	GGACGTGCTG
E_sorbitola	GCTGATAAAA	AAGCAACGCT	AACCCCTAGAT	GGCGAAGATC	CTATTGTTCT	TGATGTGCTG
E_toletana	GCTGATAAAA	AAGCGACACT	AACCCCTGGAA	GGCGAAGCTC	CGATTGAGCT	GGACGTACTT
unknown_DE2	GCTGATAAAA	AAGCAACGCT	AACCCCTACCA	GGCGAAGCTC	CTATTGAACCT	TGATGTGCTG
unknown_E602	GCTGATAAAA	AAGCGACGCT	AACCCCTCGAC	GGCGAAGCCC	CTATTGAGCT	GAACGTACTT
unknown_Ejp617	GCTGATAAAA	AAGCAACGCT	TACCCCTCGAT	GGTGAAGCTG	CTATCGAGCT	TGATGTGCTT
unknown_QL-Z3	GCTGATAAAA	AAGCAACGCT	AACCCCTACCA	GGCGAAGCTC	CTATTGAACCT	TGATGTGTTG

2821

ecoli_K12	AAAGGCACGC	TGGGTCAGGA	TGTTATTGAT	ATCCGTACTC	TGGGTTCAAA	AGGTGTGTTT
C_E_dadicola	AAAGGCACAT	TGGGTCAGGA	AGAAATTGAT	GTCCGTACTC	TGGGTCAGAA	AGGTACTTTC
C_E_haradaeae	AGGGGTTTAT	TGGGTTGTTA	AGAGTTAGAT	GTTCGTACTC	TGGGTTGCGCA	AGGATACTTT
E_amylovora	AAAGGCACGT	TAGGCCAGGA	AGAAATCGAT	GTCCGTGGGC	TGGGTTCTTAA	AGGCTACTTC
E_aphidicola	AAAGGCACAT	TGGGTCAGGA	AGAAATTGAT	GTCCGCACTC	TGGGTTCAAA	AGGTACTTTC
E_billingiae	CAAGGCACGT	TAGGCCAGGA	CGAGATAGAT	GTACGTACCC	TGGGATCCAA	AGGGTATTTT
E_endophytica	AGCGGTACGC	TAGGCCATGA	AGAGATTGAT	GTCCGTATTC	TGGGTTCAAA	AGGTACTTTC
E_iniecta	CATGGTACGC	TTGGTGAGAA	CGAAATCGAT	ATCCGCACCC	TGGGTTCAAA	AGGCCTGTTT
E_mallotivora	AGCGGCACAT	TAGGCCAGGA	AGAGATTGAT	GTCCGTGCCC	TGGGTTCCAA	AGGCTACTTC
E_oleae	AAAGGCACGC	TGGGTCAGGA	AGAGATTGAT	GTCCGTAACC	TGGGTTCTTAA	GGGCTACTTC
E_persicina	AAAGGTACAT	TGGGTCAGGA	AGAGATTGAT	GTCCGTAATC	TGGGTTCTTAA	GGGGTATTTT
E_phyllosphaerae	AGCGGCACGC	TGGGTCAGGA	AGAGATCGAC	GTTCGCACTC	TGGGTTCTTAA	AGGCTATTTT
E_piriflorinigrans	AAGGGCACAC	TGGGCCCGGA	AGAAATTGAT	GTCCGTGCAC	TGGGTCAGAA	AGGCTACTTC
E_psidii	AGTGGCACAT	TAGGCCAGCA	AGAAATTGAT	GTCCGTGCTC	TGGGTTCCAA	AGGCTACTTT
E_pyrifoliae	AAAGGCACGT	TAGGCCAGGA	AGAAATTGAT	GTCCGTGGTC	TGGGTTCCAA	AGGCTACTTC
E_rhapontici	AAAGGTACGT	TGGGTCAGGA	AGAAATCGAT	GTCCGGAATC	TGGGTTCCAA	AGGGTATTTT
E_tasmaniensis	AAGGGTACAT	TAGGCCAGGA	AGAAATTGAT	GTCCGTGCTC	TGGGTTCAAA	AGGCTACTTC
E_tracheiphila	AGTGGCACAT	TAGGCCAGCA	AGAAATTGAT	GTCCGAGCTT	TGGGTTCTTAA	AGGCTATTTT
E_typographi	GAAGGCACGT	TAGGCCAGGA	TGAAATTGAT	GTCCGCACTC	TGGGTTCTTAA	AGGGTATTTT
P_agglomerans	AAAGGTACGC	TGGGCCAGGA	TGTCGTTGAT	GTCCGCACTC	TGGGTTCAAG	TGGCCTGTTT
P_beijingensis	CAAGGCACGC	TGGGTCAGGA	CGAGATTGAT	ATCCGAACCC	TGGGTTCCAA	AGGTTTATTC
P_dispersa	CAAGGCACGC	TGGGTCAGGA	TGTTGTTGAT	GTCCGCGCCC	TGGGTTCAAA	AGGCCTGTTT
P_eucalypti	AAAGGTACGC	TGGGCCAGGA	TGTTGTTGAT	GTCCGCGCTC	TGGGTTCAAG	TGGCCTGTTT
E_sorbitola	AAAGGCACAT	TAGGGTCAGGA	GGAGATCGAC	GTCCGAAATC	TGGGTTCTTAA	AGGGTATTTT
E_toletana	AAAGGTACGC	TTGGCGAAGA	CGAAATCGAT	ATCCGAAGCC	TGGGTTCAAA	AGGCCTGTTT
unknown_DE2	CAAGGCACGT	TGGGCCAGGA	TGAGATAGAT	GTCCGCACCC	TGGGAGCCAA	AGGGTATTTT
unknown_E602	AAAGGTACGC	TGGGCCCGGA	AGAGATCGAC	GTACGAGCTC	TGGGTTCTTAA	AGGGTATTTT
unknown_Ejp617	AAAGGCACGT	TAGGCCAGGA	AGAAATTGAT	GTCCGTGGTC	TGGGTTCCAA	AGGCTACTTC
unknown_QL-Z3	CAAGGCACGT	TAGGCCAGGA	CGAGATAGAT	GTACGTACCC	TGGGATCCAA	AGGGTATTTT

2881

ecoli_K12	ACCTTTGACC	CAGGCTTCAC	TTCAACCGCA	TCCTGCGAAT	CTAAAAATTAC	TTTTATTGAT
C_E_dacicola	ACTTTTGACC	CTGGCTTTAC	CTCTACTGCG	TCCTGCGAAT	CTAAAAATCAC	CTATATCGAC
C_E_haradaeae	ACTTTTGATC	CAGGATTAC	TTCTACTGCA	TCATGTC AAT	CTACTATCAC	TTATATTGAT
E_amylovora	ACCTTCGATC	CAGGCTTTAC	CTCTACCGCG	TCCTGCGAAT	CTAAAAATCAC	CTACATCGAT
E_aphidicola	ACTTTTGACC	CCGGCTTTAC	CTCTACTGCG	TCCTGCGAAT	CTAAAAATCAC	CTATATCGAC
E_billingiae	ACCTTTGACC	CAGGCTTCAC	CTCTACTGCG	TCCTGCGAAT	CTAAAAATCAC	CTACATCGAC
E_endophytica	ACGTTTGATC	CGGGCTTCAC	TTCTACTGCG	TCCTGCGAAT	CCAAAAATAAC	CTATATCGAC
E_iniecta	ACGTTTGACC	CTGGCTTTAC	TTCTACTGCA	TCCTGCGAAT	CCAAAAATTAC	CTATATCGAC
E_mallotivora	ACCTTTGATC	CGGGATTAC	CTCTACGGCG	TCCTGTGAAT	CGAAAAATCAC	CTATATAGAT
E_oleae	ACGTTTGATC	CGGGCTTCAC	CTCTACGGCA	TCCTGCGAAT	CAAAAAATCAC	CTATATTGAC
E_persicina	ACCTTTGACC	CTGGCTTTAC	TTCTACTGCG	TCCTGCGAAT	CGAAAAATTAC	CTATATCGAT
E_phyllosphaerae	ACTTTTGATC	CGGGCTTTAC	CTCCACCGCT	TCCTGTGAAT	CCAAAAATTAC	CTATATCGAC
E_piriflorinigrans	ACCTTCGACC	CAGGCTTTAC	TTCTACTGCG	TCCTGCGAGT	CAAAAAATTAC	CTACATCGAC
E_psidii	ACTTTTGATC	CGGGCTTCAC	CTCTACTGCG	TCCTGCGAGT	CCAAAAATAAC	TTATATTGAC
E_pyrifoliae	ACCTTCGATC	CCGGCTTTAC	CTCTACCGCG	TCCTGCGAAT	CTAAAAATTAC	CTACATCGAC
E_rhapontici	ACCTTTGACC	CCGGCTTTAC	TTCTACTGCA	TCCTGCGAAT	CTAAAAATTAC	CTATATCGAC
E_tasmaniensis	ACCTTCGACC	CTGGCTTTAC	CTCTACCGCC	TCCTGCGAAT	CAAAAAATCAC	CTACATTGAC
E_tracheiphila	ACTTTTGATC	CAGGATTAC	CTCCACTGCG	TCCTGCGAAT	CCAAAAATCAC	CTATATTGAC
E_typographi	ACCTTTGACC	CCGGCTTCAC	TTCTACTGCG	TCCTGTGAGT	CCAAAAATCAC	CTATATCGAC
P_agglomerans	ACCTTCGATC	CCGGCTTTAC	GTCTACCGCG	TCCTGCGAAT	CTGCAATCAC	CTTTATCGAT
P_beijingensis	ACATTTGATC	CTGGCTTTAC	CTCTACTGCG	TCCTGCGAAT	CTAAAAATCAC	CTACATTGAT
P_dispersa	ACCTTCGACC	CCGGCTTTAC	CTCTACGGCG	TCCTGCGAAT	CAAAAAATTAC	CTTTATTGAT
P_eucalypti	ACCTTCGATC	CCGGCTTTAC	GTCTACTGCG	TCCTGCGAAT	CTGCCATCAC	CTTTATTGAT
E_sorbitola	ACCTTTGACC	CCGGCTTTAC	TTCTACTGCG	TCCTGCGAAT	CTAAAAATTAC	CTATATCGAC
E_toletana	ACGTTTGACC	CTGGCTTTAC	GTCTACTGCA	TCCTGTGAAT	CCAAAAATCAC	CTATATCGAT
unknown_DE2	ACCTTTGACC	CAGGCTTCAC	TTCTACTGCG	TCCTGCGAAT	CTAAAAATCAC	CTATATTGAT
unknown_E602	ACTTTTGACC	CTGGCTTCAC	CTCTACCGCG	TCCTGCGAAT	CCAAAAATCAC	CTTTATCGAC
unknown_Ejp617	ACCTTCGATC	CCGGCTTTAC	CTCTACCGCG	TCCTGCGAAT	CTAAAAATAAC	CTACATCGAC
unknown_QL-Z3	ACCTTTGACC	CAGGCTTCAC	CTCTACTGCG	TCCTGCGAAT	CTAAAAATCAC	CTACATCGAC

2941

ecoli_K12	GGTGATGAAG	GTATTTTGCT	GCACCGCGGT	TTCCCGATCG	ATCAGCTGGC	GACCGAATTCT
C_E_dacicola	GGCGATGAAG	GCAATCTGCT	GCACCGTGGC	TTCCCGATTG	ATCAGCTGGC	TCTGCACTCC
C_E_haradaeae	GGTGATGAG	GTATTTTGCT	GTACAGGGGT	TTCCCTATTG	ATCAGCTAGC	ATTGAATTCA
E_amylovora	GGCGATGAAG	GCAATCTTCT	GCATCGTGGT	TTCCCTATTG	ACCAGCTGGC	GTTGCACTCC
E_aphidicola	GGCGATGAAG	GCAATCTGCT	GCACCGTGGC	TTTCCGATTG	ATCAGCTGGC	TTTGCACTCC
E_billingiae	GGTGATGAAG	GTATCCTGCT	GCACCGTGGT	TTCCCGATCG	ATCAACTGCG	TGTGCACTCC
E_endophytica	GGTGAAAAAG	GCAATCTGCT	TCACCGTGGT	TTCCCTATCG	ATCAACTGGC	GTTACATTCC
E_iniecta	GGTGATGAAG	GAATCTGCT	GCACCGCGGT	TTCCCGATTG	ACCAGTTAGC	TTTGCACTCC
E_mallotivora	GGTGATGAGG	GCAATCTGCT	TCATCGCGGT	TTTCCCTATCG	ATCAACTGGC	TTTGCACTCC
E_oleae	GGTGACGAAG	GCAATCTGCT	GCATCGTGGT	TTTCCCTATCG	ATCAGTTGGC	AGTCAACTCT
E_persicina	GGTGATGAAG	GCAATCTGCT	GCACCGGGGT	TTCCCGATTG	ACCAGTTGGC	GTTGCACTCA
E_phyllosphaerae	GGTGACGAAG	GCATCCTGCT	GCACCGTGGC	TTCCCTATCG	ATCAGCTGGC	GCTGAATTCC
E_piriflorinigrans	GGTGACGAAG	GCAATCTTCT	GCACCGTGGT	TTTCCCTATTG	ACCAGCTGGC	CTTACACTCT
E_psidii	GGTGACGAGG	GCAATCTGCT	TCATCGCGGT	TTTCCCTATCG	ACCAGCTGGC	TCTGCACTCC
E_pyrifoliae	GGCGATGAAG	GCAATCTTCT	GCATCGCGGT	TTCCCTATTG	ATCAGCTGGC	GTTGCACTCC
E_rhapontici	GGTGATGAAG	GCAATCTGCT	GCACCGTGGT	TTCCCGATTG	ACCAGTTAGC	GCTGCACTCA
E_tasmaniensis	GGTGATGAGG	GCATCCTTCT	GCACCGCGGT	TTTCCCTATCG	ATCAGCTGGC	GCTGCACTCT
E_tracheiphila	GGTGACGAGG	GTATCTGCT	TCATCGTGGT	TTTCCCTATTG	ATCAGCTTGC	CCTTCACTCT
E_typographi	GGTGATGAAG	GTATCCTGCT	TCACCGTGGT	TTTCCCTATCG	ATCAACTTGC	CGTGCCTCC
P_agglomerans	GGGGATGAAG	GTATCCTGCT	GCACCGTGGT	TTCCCTATTG	CTGAGCTGGC	GACCCACTCT
P_beijingensis	GGTGATAAAG	GCAATCTGCT	TCATCGCGGT	TTCCCTATAG	ACCAACTGCG	GACCCACTCA
P_dispersa	GGTGATGAAG	GGATTTTGCT	ACATCGCGGT	TTCCCTATCG	ATCAGCTGGC	TACCCACTCA
P_eucalypti	GGTGATGAAG	GTATCCTGCT	GCACCGTGGT	TTCCCTATTG	CTGAGCTGGC	GACCCACTCT
E_sorbitola	GGTGATGAAG	GCAATCTGCT	GCACCGTGGT	TTCCCGATTG	ACCAGCTAGC	CCTGCACTCT
E_toletana	GGTGAAAGAAG	GCAATCTGCT	GCATCGCGGT	TTCCCGATTG	ACCAGTTAGC	TCTGCACTCT
unknown_DE2	GGTGATGAAG	GCAATCTGCT	CCACCGTGGT	TACCCCTATCG	ATCAACTTGC	CGTGCCTCC
unknown_E602	GGTGATGAAG	GCAATCTGCT	GCACCGTGGT	TTCCCGATCG	ACCAGCTGGC	CCTGCACTCC
unknown_Ejp617	GGCGATGAAG	GCAATCTTCT	GCATCGCGGT	TTCCCTATTG	ATCAGCTGGC	GTTGCACTCT
unknown_QL-Z3	GGTGATGAAG	GTATCCTGCT	CCACCGTGGT	TTCCCGATCG	ACCAACTGCG	TGTGCACTCC

3001

ecoli_K12	AAC	TAC	CTG	GG	AAG	TTT	GTTA	CAT	CC	TG	CTG	AAT	GG	TG	AAA	AAC	CGA	CTCA	GGA	AC	AGT	TAT			
C_E_dacicola	AAC	TAC	CTAG		AAG	TG	TG	CAT	CC	TG	TTG	AAC	GG	C	GAAG	CCCC	AAG	CGC	AGAG	CAG	TTT	C			
C_E_haradaeae	AAT	TAT	TTTAG		AAG	TAT	GTTA	TAT	TAT	TTT	TTG	TAT	GG	TG	AGG	CT	CC	TAG	TTT	ACAG	CA	ATT	C		
E_amylovora	AAC	TAT	CTGG		AAG	TTT	GTTA	CAT	TC	TG	CTT	AAT	GG	TG	AGG	CG	CC	AAG	CGC	AGA	AC	AGT	TT	C	
E_aphidicola	AAC	TAC	CTGG		AAG	TAT	TG	CAT	CC	TG	TTG	AAT	GG	C	GAAG	CCCC	AAG	CGC	AGAG	CAG	TTT	C			
E_billingiae	AAC	TAT	CTGG		AAG	TG	TG	CAT	CC	TG	CTG	AAT	GG	C	GAAG	CG	CC	AAC	CAA	AGAG	CAG	TTT	T		
E_endophytica	AAC	TAC	CTGG		AAG	TG	TG	CAT	CC	TG	CTG	AAT	GG	C	GAAG	CG	CC	AAC	CAA	AGAG	CAG	TTT	T		
E_iniecta	AAC	TAC	CTGG		AAG	TG	TG	TAT	CC	TG	CTG	AAC	GG	C	GAAG	CG	CC	GAC	CGCA	GG	CT	CAG	TTT	T	
E_mallotivora	AAC	TAT	CTCG		AAG	TG	TG	TAT	CC	TG	CTC	AAC	GG	T	GAAG	CG	CC	GAC	TTCA	GGA	AC	AGT	TTT	T	
E_oleae	AAC	TAT	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAC	GG	C	GAAG	CG	CC	GAC	CAA	AGAG	CAG	TTT	T		
E_persicina	AAC	TAT	CTTG		AAG	TTT	GTTA	CAT	TTT	TG	TTG	AAC	GG	T	GAAG	CAC	CA	AAC	CAGC	AAAA	AG	AGT	TTT	T	
E_phyllosphaerae	AAC	TAT	CTTG		AAG	TG	TG	TAT	CC	TG	CTG	AAT	GG	C	GAAG	CG	CC	AAC	CAA	AGAG	CAG	TTT	T		
E_piriflorinigrans	AAC	TAT	CTTG		AAG	TTT	GTTA	TAT	TCT	TCT	CTC	AAT	GG	T	GAAG	CAC	CG	AAG	CGC	AGA	AC	AGT	TT	C	
E_psidii	AAT	TAT	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAT	GG	C	GAAG	CAC	CA	AAC	CAA	AGC	G	CAG	TTT	T	
E_pyrifoliae	AAC	TAT	CTTG		AAG	TG	TG	CAT	TC	TG	CTT	AAT	GG	T	GAAG	CG	CC	AAG	CGC	AGC	AC	AGT	TT	C	
E_rhapontici	AAC	TAC	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAT	GG	T	GAAG	CAC	CA	AAC	CGA	GAA	AG	AGT	TTT	T	
E_tasmaniensis	AAC	TAT	CTTG		AAG	TAT	GTTA	CAT	TCT	TCT	CTC	AAT	GG	T	GAAG	CG	CC	TAG	CGC	GGA	AC	AGT	TT	C	
E_tracheiphila	AAC	TAC	CTTG		AAG	TG	TG	TAT	CC	TG	CTC	AAT	GG	T	GAAG	CG	CC	AAC	TAA	AGA	AC	AGT	TTT	T	
E_typographi	AAC	TAT	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAC	GG	C	GAAG	CG	CC	GAC	CAA	AGAG	CAG	TTT	T		
P_agglomerans	AAC	TAT	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAC	GG	C	GAAG	CAC	CA	AAC	CCA	GAA	AC	AGT	TTT	T	
P_beijingensis	AAC	TAT	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAT	GG	C	GAAG	T	CC	GAC	CCA	GGA	AC	AGT	TT	C	
P_dispersa	AAC	TAT	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAC	GG	C	GAAG	CCCC	AA	CTCA		GGC	CG	CAG	TT	C	
P_eucalypti	AAC	TAC	CTTG		AAG	TG	TG	CAT	TC	TG	CTG	AAT	GG	C	GAAG	CAC	CA	AAC	CCA	GAA	AC	AGT	TTT	T	
E_sorbitola	AAC	TAT	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAT	GG	T	GAAG	CAC	CA	AAC	CGC	GAA	GA	AAT	TTT	T	
E_toletana	AAC	TAC	CTTG		AAG	TG	TG	TAT	CC	TG	CTG	AAC	GG	T	GAAG	CG	CC	AAC	CTCA	GGC	CG	GGA	AAT	TTT	T
unknown_DE2	AAC	TAT	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAC	GG	C	GAAG	CG	CC	AAC	CAA	AGAG	CAG	TTT	T		
unknown_E602	AAC	TAT	CTTG		AAG	TAT	GTTA	CAT	CC	TG	CTG	AAC	GG	T	GAAG	CT	CC	T	ACCC		GGA	AC	AGT	TT	C
unknown_Ejp617	AAC	TAT	CTTG		AAG	TG	TG	CAT	TC	TG	CTT	AAT	GG	T	GAAG	CG	CC	AAG	CGC	AGC	AC	AGT	TT	C	
unknown_QL-Z3	AAC	TAT	CTTG		AAG	TG	TG	CAT	CC	TG	CTG	AAT	GG	C	GAAG	CG	CC	T	ACCA		AGAG	CAG	TTT	T	

3061

ecoli_K12	GACGAATTTA	AAACTACGGT	GACCGGTCAT	ACCATGATCC	ACGAGCAGAT	TACCCGCTCG
C_E_dacicola	GAAGAATTTA	AGACCACGGT	GACGCGGCAC	ACTATGCTGC	ACGAGCAGAT	CCACCATCTG
C_E_haradaeae	CATGATTTTA	AACTTTTCATT	AACCCACCAT	TCTCTGCTTC	ACGAACAAAT	ATATAAATTTA
E_amylovora	GAAGATTTTA	AAGTGACAGT	GACGGCTCAC	ACCATGCTGC	ATGAGCAAAT	ACATCATCTG
E_aphidicola	GAAGAATTTA	AGACCACGGT	GACGGGCCAT	ACAATGCTGC	ACGAGCAGAT	TCACCATCTG
E_billingiae	GAAGAATTCA	AAACCATCGT	AACCCGCCAT	ACCATGATCC	ATGAGCAGAT	CCATCATCTG
E_endophytica	GAAGAATTCA	GCACCATCGT	GACCCGCCAC	ACCATGGTCC	ATGAACAGAT	CCATCATCTG
E_iniecta	GATGAATTCC	GTACCACTGT	AACCCGCCAC	ACCATGATTC	ATGAGCAGAT	TAATCGTCTG
E_mallotivora	GACGAATTTA	GCACCATTGT	CACCCGGCAT	ACCATGATCC	ATGAGCAGAT	CCACCATCTG
E_oleae	GAAGAATTCA	AAACCATTGT	GACCCGCCAC	ACCATGATCC	ATGAGCAGAT	CCACCATCTG
E_persicina	GAAGAATTTA	AAACCACGGT	GACAAGTCAT	ACCATGCTGC	ACGAACAGAT	CCATCATCTG
E_phyllosphaerae	GACGAATTCC	GCACATTCGT	TACCCGCCAG	ACCATGATCC	ACGAGCAGAT	CCACCATCTG
E_piriflorinigrans	CAGGAATTCA	AGGTGACGGT	AACGGTCAT	ACCATGCTAC	ATGAGCAGAT	TCACCACCTG
E_psidii	GAAGAATTTA	GCACCATTGT	TACCCGTCAC	ACCATGATCC	ATGAGCAGAT	CCACCATCTG
E_pyrifoliae	GAAGAGTTTA	CCGTACACGGT	AACGGCTCAC	ACCATGCTGC	ATGAGCAAAT	TCACCATCTG
E_rhapontici	GAAGAATTTA	AACTCACTGT	GACGGGCCAT	ACAATGCTGC	ATGAGCAGAT	TCACCATCTG
E_tasmaniensis	AAGGAATTTA	AGGTGACGGT	AACGGTCAT	ACCATGCTGC	ATGAGCAGAT	CCACCATCTG
E_tracheiphila	GATGAATTCA	AAACTATCGT	AACCCGCCAC	ACCATGATCC	ATGAGCAGAT	ACATCATCTG
E_typographi	GAAGAGTTCA	AAACCATCGT	AACCCGCCAC	ACCATGATCC	ATGAGCAGAT	CCACCATCTG
P_agglomerans	GATGAGTTCC	GTACCACGGT	TACCCGCCAC	ACCATGATTC	ATGAGCAGAT	TACCCGCCTG
P_beijingensis	GAGGAGTTCC	GTACCATCGT	GACTCGCCAT	ACCATGATTC	ACGAGCAGAT	TAACCGCCTG
P_dispersa	GACGAGTTCC	GTACCACCGT	AACCCGTCAC	ACCATGATTC	ACGAGCAGAT	TACCCGCCTG
P_eucalypti	GATGAGTTCC	GCACCATCGT	TACCCGCCAC	ACCATGATTC	ATGAGCAGAT	TACCCGCCTG
E_sorbitola	GAAGAGTTCA	AAACCACCGT	TACCCGCCAT	ACTATGCTGC	ATGAGCAGAT	CCACCATCTG
E_toletana	GATGAATTCC	GCACGACCGT	AACCCGCCAT	ACGATGATTC	ATGAGCAGAT	TAATCGTCTG
unknown_DE2	GAAGAGTTTA	AAACTATCGT	TACCCGTCAT	ACCATGATTC	ACGAGCAGAT	CCATCATCTG
unknown_E602	AACGAATTCA	AAGTCAACGGT	GACCCGCCAC	ACCATGTTGC	ATGAGCAGAT	CCACCATCTG
unknown_Ejp617	GAAGAGTTTA	CCGTACACGGT	AACGGTCAC	ACCATGCTGC	ATGAGCAAAT	TCACCATCTG
unknown_QL-Z3	GAAGAATTCA	AAACCATCGT	AACCCGCCAT	ACCATGATCC	ATGAGCAGAT	CCATCATCTG

3121

ecoli_K12	TTCCATGGTT	TCCGTCCGGA	CTCGCATCCA	ATGGCAGTCA	TGTGTGGTAT	TACCGGCGCG
C_E_dadicola	TTCCGTGGTT	TCCGTCCGGA	TTCACACCCA	ATGGCCGTGA	TGTGCGGTGT	AACCGGTGCG
C_E_haradaeae	TTACGTGGTT	TTTGTCCGCG	TTCTCACCCA	ATGGCAATGC	TTTGTGGAAT	GACGGGAGCG
E_amylovora	TTCCGTGGGT	TCCGCGCGGA	CTCCCATCCG	ATGGCAGTGA	TGTGCGGTGT	TACCGGGGCG
E_aphidicola	TTCCGTGGTT	TCCGTCCGTGA	TTCACACCCA	ATGGCCGTGA	TGTGCGGTGT	AACCGGTGCA
E_billingiae	TTCCGTGGGT	TCCGTCCGTGA	CTCTCATCCG	ATGGCGGTAA	TGTGTGGTGT	TACCGGTGCA
E_endophytica	TTTCCGGGCT	TCCGTCCGGA	CTCGCACCCA	ATGGCGGTAA	TGTGTGGGCT	GACCGGAGCG
E_iniecta	TTTATGGGCT	TCCGTCCGTGA	TTCCCATCCA	ATGGCGGTAA	TGTGCGGTGT	GACCGGTGCG
E_mallotivora	TTCCGGGGCT	TCCGCGGTGA	CTCTCATCCG	ATGGCAGTAA	TGTGCGGCGT	CACCGGCGCG
E_oleae	TTCCGGGGTT	TTCCGTCCGGA	CTCGCACCCA	ATGGCGGTGA	TGTGCGGCGT	GGTCCGTGCG
E_persicina	TTCCGGGGCT	TCCGCGGTGA	TTCGCATCCA	ATGGCCGTTA	TGTGCGGTGT	GACCGGTGCG
E_phyllosphaerae	TTCCGGGGCT	TCCGTCCGGA	TTCGCATCCG	ATGGCGGTCA	TGTGCGGCGT	GACCGGCGCG
E_piriflorinigrans	TTTCCGGGCT	TCCGTCCGTGA	CTCCCATCCG	ATGGCGGTGA	TGTGCGGCGT	TACCGGGGCA
E_psidii	TTCCGTGGTT	TTCCGTCCGTGA	CTCGCACCCG	ATGGCGGTGA	TGTGTGGGCT	TACCGGTGCC
E_pyrifoliae	TTCCGTGGGT	TCCGTCCGGA	CTCCCACCCG	ATGGCGGTGA	TGTGCGGCGT	TACCGGGGCG
E_rhapontici	TTCCGTGGGT	TCCGCGGTGA	CTCACATCCG	ATGGCAGTCA	TGTGTGGTGT	TACCGGTGCG
E_tasmaniensis	TTCCGTGGGT	TCCGTCCGTGA	CTCCCATCCG	ATGGCGGTCA	TGTGCGGCGT	GACCGGGGCG
E_tracheiphila	TTTCCGTGGGT	TCCGACGTGA	CTCACACCCG	ATGGCGGTGA	TGTGCGGCGT	GACTGGCGCA
E_typographi	TTCCGTGGTT	TCCGCGGTGA	CTCCCACCCG	ATGGCGGTGA	TGTGCGGCGT	AACCGGCGCG
P_agglomerans	TTCCACGGCT	TCCGTCCGGA	TTCGCATCCG	ATGGCGGTAA	TGTGCGGTGT	CACCTGGCGCA
P_beijingensis	TTTATGGGTT	TCCGCGGTGA	TTCACATCCG	ATGGCAGTCA	TGTGCGGTGT	GACTGGCGCG
P_dispersa	TTCCACGGGT	TCCGTCCGTGA	TTCACACCCG	ATGGCAGTGA	TGTGCGGCGT	GACCGGCGCG
P_eucalypti	TTCCACGGCT	TCCGTCCGTGA	CTCACATCCG	ATGGCGGTAA	TGTGCGGTGT	TACCGGTGCT
E_sorbitola	TTCCGTGGGT	TCCGTCCGTGA	TTCACACCCG	ATGGCGGTAA	TGTGCGGTGT	GACCGGGGCG
E_toletana	TTTATGGGCT	TCCGCGGTGA	TTCTCATCCG	ATGGCAGTGA	TGTGCGGTGT	TACCGGTGCA
unknown_DE2	TTCCGGGGTT	TCCGTCCGTGA	CTCGCATCCG	ATGGCAGTGA	TGTGCGGCGT	GACCGGTGCG
unknown_E602	TTCCGGGGCT	TCCGCGGTGA	CTCGCACCCG	ATGGCGGTGA	TGTGCGGCGT	GACCGGCGCG
unknown_Ejp617	TTCCGTGGGT	TCCGTCCGGA	CTCCCACCCG	ATGGCGGTGA	TGTGCGGCGT	TACCGGGGCG
unknown_QL-Z3	TTCCGTGGCT	TCCGTCCGTGA	CTCTCATCCG	ATGGCGGTAA	TGTGTGGTGT	TACCGGTGCA

3181

ecoli_K12	CTGGCGGGCT	TCTATCACGA	CTCGCTGGAT	GTAAACAATC	CTCGTCAACG	TGAAATTGCC
C_E_dadicola	CTAGCAGCAT	TTTACCATGA	TGCGATGGAC	GTCAACATTG	AGCGCCATCG	TGAAATCGCC
C_E_haradaeae	TTGGCCGCAA	TTTACCACGA	TTCAATGGAT	GTTCATAAAA	AAAGTCATCG	TGATTTAATT
E_amylovora	CTGGCCGCAT	TTTACCATGA	TGCGATGGAT	GTCAATATTG	AACGCCATCG	TGAAATTGCC
E_aphidicola	CTGGCAGCAT	TCTACCATGA	TGCGATGGAC	GTCAACATTG	AGCGCCATCG	TGAAATCGCC
E_billingiae	CTGGCCGGCT	TTTATCATGA	TGCGATGGAC	GTAAACATTG	AGCGTCACCG	CGAAATTGCG
E_endophytica	CTCGCGGCAT	TTTATCACGA	TGCAATGGAC	GTCAACATCG	AACGTCACCG	TGAAATCGCG
E_iniecta	CTGGCGGGCT	TTTACCACGA	CTCTTTAGAT	GTGAATATCG	AGCGCCATCG	TGAAATCGCG
E_mallotivora	CTGGCCGCCT	TCTATCACGA	TGCAATGGAC	GTAAATATTG	AGCGTCACCG	CGAGATTGCC
E_oleae	CTGGCTGGCT	TTTATCATGA	TGCGATGGAT	GTAAACAATTG	AACGCCACCG	CGAAATCGCC
E_persicina	CTGGCCGCCT	TCTATCATGA	CGCAATGGAC	GTCAATATTG	AGCGTCATCG	TGAGATTGCA
E_phyllosphaerae	CTGGCGGGCT	TTTATCACGA	TGCGATGGAC	GTGAATATCG	AACGTCACCG	CGAAATTGCG
E_piriflorinigrans	CTGGCCGCAT	TTTATCACGA	TGCCATGGAC	GTCAATATTG	AACGACATCG	TGAAATTGCC
E_psidii	CTAGCAGCCT	TCTACCATGA	TGCGATGGAC	GTCAATATTG	AGCGGCACCG	TGAAATTGCT
E_pyrifoliae	CTGGCCGCAT	TTTACCACGA	TGCGATGGAC	GTCAATATTG	AGCGACATCG	TGAAATTGCC
E_rhapontici	CTGGCGGCAT	TTTATCATGA	TGCTATGGAC	GTCAACATTG	AGCGCCATCG	TGAAATCGCT
E_tasmaniensis	CTGGCCGCAT	TTTATCACGA	TGCAATGGAC	GTCAATATCG	AACGGCATCG	TGAAATTGCC
E_tracheiphila	CTGGCAGCTT	TCTACCATGA	CGCCATGGAC	GTCAACATCG	AACGTCATCG	CGAAATTGCC
E_typographi	CTGGCAGCAT	TCTACCATGA	CGCAATGGAC	GTAAACGTTG	AGCGTCATCG	TGAAATCGCT
P_agglomerans	CTGGCTGGCT	TTTACCACGA	TTCGCTGGAT	GTAAACATTG	AGCGCCACCG	CGAAATTGCC
P_beijingensis	CTGGCCGCAT	TTTACCACGA	TTCGCTGGAT	GTCAATATTG	AACGCCATCG	CGAAATCGCA
P_dispersa	CTGGCTGGCT	TCTATCACGA	TTCAATTAGAC	GTGAATATTG	AACGTCACCG	TGAAATCGCC
P_eucalypti	CTGGCTGGCT	TTTACCACGA	TTCGCTGGAT	GTAAACATTG	AGCGCCACCG	CGAAATCGCG
E_sorbitola	CTGGCGGGCT	TCTATCATGA	TGCAATGGAC	GTCAATATTG	AACGCCACCG	TGAAATCGCC
E_toletana	CTGGCGGGCT	TTTATCATGA	CTCCTTAGAC	GTAAACATCG	AGCGCCACCG	TGAAATCGCC
unknown_DE2	CTGGCTGGCT	TTTACCATGA	CGCCATGGAC	GTGAACATTG	AGCGTCACCG	TGAAATTGCC
unknown_E602	CTGGCGGGCT	TCTATCACGA	TGCGATGGAC	GTAAACATTG	AGCGTCACCG	CGAAATCGCC
unknown_Ejp617	CTGGCCGCAT	TTTACCACGA	TGCGATGGAC	GTCAATATTG	AGCGACATCG	TGAAATTGCC
unknown_QL-Z3	CTGGCCGGCT	TTTATCATGA	TGCGATGGAC	GTAAACATTG	AGCGTCACCG	CGAAATTGCG

3241

ecoli_K12	GGGTTCCGCC	TGCTGTCGAA	AATGCCGACC	ATGGCCGCGA	TGTGTTACAA	GTATTCCATT
C_E_dadicola	GCTTTCCGCC	TGCTGTCAAA	AATGCCGACC	ATGGCCGCGA	TGTGTTACAA	ATATTCCATT
C_E_haradaeae	GCAATACGCT	TGTTAGCACA	AATGCCTAAT	ATGGTTATCTA	TGTGCTATAG	ATATGCAACA
E_amylovora	GCTTTCCGAC	TGCTGTCGAA	AATGCCGACC	ATGGCGGCGA	TGTGTTACAA	ATATTCCATC
E_aphidicola	GCTTTCCGCC	TGCTGTCGAA	AATGCCGACC	ATGGCCGCGA	TGTGTTACAA	ATATTCCATT
E_billingiae	GCATTCCGCC	TGCTGTCGAA	AATGCCGACC	GTTCGCGCGA	TGTGTTACAA	ATATTCCATC
E_endophytica	GGCTTCCGTT	TGTTGTCGAA	AATGCCGACC	GTTCGCGCGA	TGTGTTACAA	ATATTCTATC
E_iniecta	GCATTCCGCC	TGCTGTCGAA	AATGCCGACC	GTTCGCGCGA	TGTGTTACAA	ATATTCCATT
E_mallotivora	GCTTTCCGTC	TGCTGTCGAA	AATGCCTACC	GTGGCAGCAA	TGTGTTACAA	ATATTCCATC
E_oleae	GGCTTCCGCC	TGCTGTCGAA	AATGCCGACC	GTGGCGGCAA	TGTGTTACAA	ATATTCCATT
E_persicina	GCTTTCCGTC	TGCTGTCGAA	AATGCCGACC	GTGGCGGCAA	TGTGTTACAA	ATATTCCATT
E_phyllosphaerae	GCTTTCCGTC	TGCTGTCGAA	AATGCCTACC	GTTCGCGCGA	TGTGTTACAA	ATATTCCATC
E_piriflorinigrans	GCTTTCCGCC	TGCTGTCGAA	AATGCCCACT	ATGGCGGCTA	TGTGTTACAA	ATATTCTATT
E_psidii	GCGTTCCGCC	TGCTGTCGAA	AATGCCGACC	GTGGCCGCGA	TGTGTTACAA	ATATTCCATC
E_pyrifoliae	GCTTTCCGAC	TGCTGTCGAA	AATGCCAACT	ATGGCGGCGA	TGTGTTACAA	ATATTCTATT
E_rhapontici	GGCTTCCGTC	TGCTGTCGAA	AATGCCAACT	ATGGCGGCAA	TGTGTTACAA	ATATTCCATC
E_tasmaniensis	GCTTTCCGCC	TGCTGTCGAA	AATGCCGACC	ATGGCGGCAA	TGTGTTACAA	ATATTCTATC
E_tracheiphila	GGCTTCCGCC	TGCTGTCGAA	AATGCCGACC	GTTCGCGCAA	TGTGTTACAA	ATATTCAATT
E_typographi	GCATTCCGTC	TGCTGTCGAA	AATGCCTACC	GTTCGCGCAA	TGTGTTACAA	GTACTCAATT
P_agglomerans	GCATTCCGTT	TGCTTTCGAA	AATGCCGACC	ATGGCAGCGA	TGTGTTACAA	ATATTCTATC
P_beijingensis	GCATTCCGCC	TGCTATCGAA	AATGCCGACC	GTGGCAGCGA	TGTGTTACAA	ATATTCCATT
P_dispersa	GGCTTCCGCC	TGCTGTCGAA	AATGCCGACC	ATGGCCGCGA	TGTGTTACAA	ATATTCCATC
P_eucalypti	GCATTCCGTC	TGCTTTCGAA	AATGCCGACC	ATGGCAGCAA	TGTGTTACAA	ATATTCTATC
E_sorbitola	GGCTTCCGTC	TGCTGTCGAA	AATGCCTACC	ATGGCAGCAA	TGTGTTACAA	ATATTCCATT
E_toletana	GGCTTCCGCC	TGCTGTCGAA	AATGCCGACC	GTTCGCGCGA	TGTGTTACAA	ATATTCTATC
unknown_DE2	GGCTTCCGTC	TGCTGTCGAA	AATGCCGACC	GTGGCCGCAA	TGTGTTACAA	ATATTCCATT
unknown_E602	GGCTTCCGCC	TGCTGTCGAA	AATGCCGACC	ATGGCAGCGA	TGTGTTACAA	ATATTCAATC
unknown_Ejp617	GCTTTCCGAC	TGCTGTCGAA	AATGCCAACT	ATGGCGGCGA	TGTGTTACAA	ATATTCTATT
unknown_QL-Z3	GCATTCCGCC	TGCTGTCGAA	AATGCCGACC	GTTCGCGCGA	TGTGTTACAA	ATATTCCATC

3301

ecoli_K12	GGTCAGCCAT	TTGTTTATCC	GCGCAACGAT	CTCTCCTACG	CCGGTAACCTT	CCTGAATATG
C_E_dadicola	GGTCAGCCGT	TTGTTTATCC	GCGCAACGAT	CTCTCCTACG	CCGGTAACCTT	CCTCAACATG
C_E_haradaeae	GGGAAGCCCT	TTGTATATCC	ATGTCATGAT	TTTTCATATTT	CTGTCAATAT	TCTATATATG
E_amylovora	GGCCAGCCGT	TTGTTTATCC	GCGTAACGAC	CTTTCCCTACG	CCGGTAACCTT	CCTCAATATG
E_aphidicola	GGTCAGCCGT	TTGTTTATCC	GCGCAACGAC	CTCTCCTATG	CCGGTAACCTT	CCTGAACATG
E_billingiae	GGCCAGCCCT	TTGTTTATCC	ACGCAACGAC	CTGTCTTACG	CCGGAAACTTT	CCTGCATATG
E_endophytica	GGCCAGCCGT	TTGTTTATCC	ACGTAACGAC	CTTTCCCTACG	CCGGTAACCTT	CCTCAATATG
E_iniecta	GGCCAGCCGT	TTGTTTATCC	ACGTAATGAC	CTCTCCTACG	CCGGTAACCTT	CCTGAATATG
E_mallotivora	GGTCAGCCCT	TTGTTTATCC	ACGTAACGAC	CTCTCCTACG	CTGGTAATTTT	CCTCAACATG
E_oleae	GGTCAGCCCT	TTGTTTATCC	ACGTAACGAT	CTTTCCCTACG	CCGGTAATTTT	CCTCAATATG
E_persicina	GGTCAGCCGT	TTGTTTATCC	GCGCAACGAT	CTCTCCTATG	CCGGTAACCTT	CCTGCATATG
E_phyllosphaerae	GGCCAGCCGT	TTGTTTATCC	ACGCAACGAC	CTCTCCTATG	CCGGTAACCTT	CCTGAACATG
E_piriflorinigrans	GGTCAGCCGT	TTGTTTATCC	GCGTAACGAC	CTGTCTTACG	CCGGAAACTTT	CCTGAATATG
E_psidii	GGCCAGCCCT	TTGTTTATCC	ACGTAACGAT	CTGTCTTATG	CCGGTAATTTT	CCTCCACATG
E_pyrifoliae	GGTCAGCCGT	TTGTTTATCC	GCGCAACGAC	CTTTTCATATG	CCGGTAACCTT	CCTCAATATG
E_rhapontici	GGTCAGCCGT	TTGTTTATCC	GCGCAACGAC	TTGTCTCTATG	CCGGCAACTTT	CCTGCACATG
E_tasmaniensis	GGCCAGCCGT	TTGTTTATCC	GCGTAATGAC	CTGTCTTACG	CCGGAAACTTT	CCTCAATATG
E_tracheiphila	GGTCAGCCGT	TTGTTTATCC	GCGCAACGAT	CTTTCTTATG	CCGGTAACCTT	CCTCAACATG
E_typographi	GGCCAGCCGT	TTGTTTATCC	ACGTAACGAT	CTCTCCTACG	CTGGCAATTTT	CCTGCACATG
P_agglomerans	GGCCAGCCGT	TTGTTTATCC	GCGCAACGAT	CTCTCCTATG	CCGGTAACCTT	CCTGCACATG
P_beijingensis	GGTCAGCCGT	TTGTTTATCC	GCGTAACGAC	CTCTCCTATG	CCGGTAACCTT	CCTGAACATG
P_dispersa	GGCCAGCCGT	TTGTTTATCC	GCGTAACGAC	CTCTCCTATG	CCGGTAACCTT	CCTGCATATG
P_eucalypti	GGCCAGCCAT	TTGTTTATCC	TCGCAACGAC	CTCTCCTATG	CCGGTAACCTT	CCTGCACATG
E_sorbitola	GGCCAGCCGT	TTGTTTATCC	GCGCAACGAC	CTCTCCTATG	CAGGCAATTTT	CCTGCATATG
E_toletana	GGCCAGCCGT	TTGTTTATCC	ACGTAATGAC	CTCTCTTACG	CCGGTAACCTT	CCTGAACATG
unknown_DE2	GGTCAGCCGT	TTGTTTATCC	ACGTAATGAC	CTCTCCTACG	CTGGTAATTTT	CCTGCATATG
unknown_E602	GGCCAGCCGT	TTGTTTATCC	GCGTAACGAT	CTCTCCTATG	CCGGCAACTTT	CCTGCATATG
unknown_Ejp617	GGTCAGCCGT	TTGTTTATCC	GCGCAACGAC	CTTTTCATATG	CCGGTAACCTT	CCTCAATATG
unknown_QL-Z3	GGCCAGCCCT	TTGTTTATCC	ACGCAACGAC	CTGTCTTACG	CCGGAAACTTT	CCTGCATATG

3361

ecoli_K12	ATGTTCTCCA	CGCCGTGCGA	ACCGTATGAA	GTTAATCCGA	TTCTGGAACG	TGCTATGGAC
C_E_dacicola	ATGTTCTCCA	CGCCGTGCGA	AGATTACGTG	GTGAACCCGG	TGCTGGAACG	TGCGATGGAT
C_E_haradaeae	ATGTTTCTTG	ATCCGTGAGA	GACATATATT	GTAAACCCGA	TTTTAGAACG	CGCTTTAGAT
E_amylovora	ATGTTCTCTA	CGCCGTGCGA	AGAGTACGTG	GTGAACCCGG	TTCTGGAACG	CGCCATGGAC
E_aphidicola	ATGTTCTCCA	CGCCGTGCGA	AGAGTACGTG	GTGAACCCGG	TGCTGGAGCG	TGCCATGGAT
E_billingiae	ATGTTCTCCA	CGCCGTGCGA	AGAGTACGTG	GTGAACCCAA	TTCTGGAACG	CGCCATGGAT
E_endophytica	ATGTTCTCCA	CGCCGTGCGA	AGAATACGTG	GTGAACCCAG	TGCTTGAGCG	CGCGATGGAT
E_iniecta	ATGTTCTCTA	CCCCGTGCGA	AGAGTACAAG	GTCAACCCGG	TGCTGGAACG	CGCCATGGAC
E_mallotivora	ATGTTCTCCA	CCCCGTGCGA	AGATTACGTG	GTGAATCCGG	TGCTTGAACG	TGCAATGGAT
E_oleae	ATGTTTTCCA	CGCCGTGCGA	AGAGTACGTG	GTGAACCCGG	TGCTGGAGCG	CGCGATGGAT
E_persicina	ATGTTCTCTA	CGCCGTGCGA	AGAGTATGTG	GTGAACCCGG	TGCTGGAACG	TGCCATGGAC
E_phyllosphaerae	ATGTTCTCCA	CGCCGTGCGA	AGAGTATGTG	GTAAACCCGG	TGCTGGAACG	CGCAATGGAC
E_piriflorinigrans	ATGTTTTCCA	CCCCGTGCGA	AGAGTACGTG	GTGAACCCAG	TTCTGGAGCG	TGCTATGGAT
E_psidii	ATGTTCTCCA	CGCCGTGCGA	AGAGTACGTG	GTGAATCCGG	TGCTTGAGCG	TGCCATGGAC
E_pyrifoliae	ATGTTCTCCA	CGCCGTGCGA	AGATTACGTG	GTGAACCCGG	TTCTTGAACG	CGCCATGGAT
E_rhapontici	ATGTTTTCTA	CGCCGTGCGA	AGAATATGTG	GTGAACCCGG	TGCTGGAACG	CGCCATGGAC
E_tasmaniensis	ATGTTCTCTA	CGCCGTGCGA	AGACTACGTG	GTGAATCCGG	TTCTGGAACG	TGCCATGGAC
E_tracheiphila	ATGTTCTCCA	CGCCATGCGA	AAACTATGTG	GTGAACCCGG	TGCTTGAGCG	CGCCATGGAC
E_typographi	ATGTTCTCCA	CGCCGTGCGA	AGAGTACGTG	GTGAACCCGA	TTCTGGAACG	CGCGATGGAT
P_agglomerans	ATGTTTGCCA	CGCCGTGCGA	AGAGTATAAA	GTGAATCCGG	TGCTGGAACG	CGCCATGGAC
P_beijingensis	ATGTTCTCTA	CACCATGCGA	AGAGTACGTG	GTCAATCCAG	TTCTGGAACG	CGCAATGGAT
P_dispersa	ATGTTTGCTA	CACCGTGCGA	AGAGTACAAA	GTGAACCCGG	TGCTGGAACG	CGCCATGGAC
P_eucalypti	ATGTTTGCTA	CCCCATGCGA	AGAGTACAAA	GTGAATCCGG	TTCTGGAACG	CGCGATGGAT
E_sorbitola	ATGTTCTCCA	CTCCGTGCGA	AGACTATGTG	GTGAATCCGG	TTCTGGAACG	CGCGATGGAT
E_toletana	ATGTTCTCTA	CCCCGTGCGA	AGAGTACAAG	GTGAATCCGG	TGCTGGAACG	CGCAATGGAT
unknown_DE2	ATGTTCTCCA	CCCCGTGCGA	AGAGTATGTG	GTGAACCCGA	TTCTGGAACG	TGCCATGGAT
unknown_E602	ATGTTCTCCA	CACCGTGCGA	AGACTACGTG	GTGAACCCGG	TGCTGGAACG	TGCCATGGAC
unknown_Ejp617	ATGTTCTCCA	CGCCGTGCGA	AGATTACGTG	GTGAACCCGG	TTCTTGAACG	CGCCATGGAT
unknown_QL-Z3	ATGTTCTCCA	CGCCGTGCGA	AGAGTACGTG	GTGAACCCAA	TTCTGGAACG	CGCCATGGAT

3421

ecoli_K12	CGTATTCTGA	TCCTGCACGC	TGACCATGAA	CAGAACGCCT	CTACCTCCAC	CGTGCGTACC
C_E_dacicola	CGTATTCTGA	TCCTGCACGC	TGACCATGAG	CAGAAATGCTT	CAACTTCTAC	CGTGCGTACC
C_E_haradaeae	TCTATTCTTA	TTTTTACATGC	TGATCATGAG	CAGAAATGCTT	CGACATCTAC	AATACGCACT
E_amylovora	CGTATTCTGA	TCCTGCACGC	CGACCACGAA	CAGAACGCCT	CCACCTCTAC	CGTACGTACT
E_aphidicola	CGTATTCTGA	TCCTGCACGC	TGACCATGAG	CAGAAATGCTT	CCACCTCTAC	CGTGCGTACT
E_billingiae	CGTATCCTGA	TCCTGCATGC	CGACCATGAG	CAGAACGCCT	CCACCTCTAC	CGTGCGTACC
E_endophytica	CGTATTCTGA	TCCTGCATGC	CGACCATGAA	CAGAACGCCT	CAACGTCTAC	CGTGCGTACC
E_iniecta	CGTATTCTGG	TGCTGCATGC	CGATCACGAG	CAGAAATGCCT	CTACCTCAAC	GGTACGTACC
E_mallotivora	CGCATCCTGA	TCCTGCATGC	CGATCACGAG	CAGAAATGCCT	CAACCTCTAC	CGTGCGTACC
E_oleae	CGTATTCTGA	TCCTGCACGC	CGATCACGAG	CAGAACGCCT	CAACCTCTAC	CGTACGCACC
E_persicina	CGTATTCTGA	TCCTGCACGC	CGACCATGAG	CAGAACGCAT	CGACGTCAAC	CGTCCGTACC
E_phyllosphaerae	CGTATCCTGA	TCCTGCACGC	CGACCATGAG	CAGAAATGCTT	CTACCTCTAC	CGTGCGTACC
E_piriflorinigrans	CGCATTCTGA	TCCTTTCATGC	CGACCATGAA	CAGAACGCCT	CCACCTCTAC	CGTGCGTACT
E_psidii	CGTATTCTTA	TTCTTTCATGC	CGATCACGAG	CAGAACGCCT	CAACGTCTAC	CGTACGTACC
E_pyrifoliae	CGTATTCTGA	TCCTGCACGC	CGACCACGAA	CAGAAATGCCT	CTACGTCTAC	CGTGCGTACT
E_rhapontici	CGCATTCTGA	TCCTGCACGC	CGATCATGAG	CAGAACGCAT	CAACCTCTAC	CGTGCGTACC
E_tasmaniensis	CGCATCCTGA	TCCTGCATGC	CGACCATGAA	CAGAACGCCT	CTACCTCCAC	CGTGCGCACC
E_tracheiphila	CGTATCCTGA	TCCTGCACGC	CGATCACGAA	CAGAAATGCAT	CCACCTCTAC	CGTGCGTACC
E_typographi	CGTATTTTGA	TTCTGCAACGC	GGACCACGAG	CAGAAATGCCT	CCACCTCTAC	CGTGCGTACC
P_agglomerans	CGCATCCTGA	TCCTGCATGC	TGACCATGAG	CAGAACGCCT	CAACCTCTAC	CGTTCTGACC
P_beijingensis	CGCATTTTGA	TCCTGCATGC	TGACCATGAG	CAGAAATGCCT	CAACCTCTAC	CGTGCGTACT
P_dispersa	CGTATTCTGA	TCCTGCACGC	TGACCACGAA	CAGAACGCAT	CAACCTCTAC	CGTGCGTACC
P_eucalypti	CGCATTTTGA	TCCTGCATGC	TGACCATGAG	CAGAACGCCT	CTACGTCTAC	CGTACGTACC
E_sorbitola	CGCATTCTGA	TTCTGCAATGC	CGATCACGAG	CAGAACGCAT	CGACCTCTAC	CGTGCGCACT
E_toletana	CGTATTCTGG	TACTGCATGC	CGATCACGAG	CAGAAATGCCT	CTACTTCAAC	GGTGCGTACC
unknown_DE2	CGTATTCTGA	TCCTGCATGC	GGACCATGAG	CAGAAATGCCT	CCACCTCTAC	CGTGCGTACC
unknown_E602	CGGATCCTAA	TCCTGCACGC	CGATCACGAG	CAGAACGCCT	CGACCTCCAC	CGTGCGTACC
unknown_Ejp617	CGTATTCTGA	TCCTGCATGC	CGACCACGAA	CAGAAATGCCT	CTACGTCTAC	CGTGCGTACT
unknown_QL-Z3	CGTATTTTGA	TCCTGCATGC	CGACCATGAG	CAGAACGCCT	CCACGTCTAC	CGTGCGTACC

3481

ecoli_K12	GCTGGCTCTT	CGGGTGC GAA	CCCGTTTGCC	TGTATCGCAG	CAGGTATTGC	TTCACTGTGG
C_E_dadicola	GCAGGCTCTT	CCGGTGC TAA	CCCGTTTGCC	TGTATCGCGG	CAGGGATCGC	TTCCCTGTGG
C_E_haradaeae	GTTGGGTCTT	CTGGTGT TAA	TCCGTTTCTT	TGTATTTTCA	CAGCCGTTGC	ATCGTTATGG
E_amylovora	GCCGGCTCTT	CCGGTGC CAA	TCCGTTTGCC	TGTATTCGAG	CGGGAATTGC	CTCACTGTGG
E_aphidicola	GCCGGCTCTT	CCGGGGCTAA	CCCGTTTGCC	TGTATCGCGG	CAGGGATCGC	CTCCCTGTGG
E_billingiae	GCCGGTCTTT	CTGGCGCTAA	CCCGTTTGCC	TGTATCGCGG	CGGGGATCGC	TTCCCTGTGG
E_endophytica	GCTGGTCTTT	CCGGCGCTAA	TCCGTTTGCC	TGTATCGCTG	CAGGTATCGC	TTCCCTGTGG
E_iniecta	GCCGGTCTTT	CCGGTGC TAA	CCCGTTTGCC	TGTATCGCGG	CAGGTATCGC	TTCTCTGTGG
E_mallotivora	GCAGGCTCTT	CCGGGGCGAA	TCCATTGCGC	TGTATTGCAAG	CCGGTATAGC	TTCCCTGTGG
E_oleae	GCCGGCTCCT	CAGGCGCCAA	CCCGTTTGCC	TGTATTCGCG	CCGGTATCGC	TTCTCTGTGG
E_persicina	GCAGGTTCTT	CGGGTGC GAA	TCCCCTTGCC	TGTATCGCGG	CCGGTATCGC	CTCCCTGTGG
E_phyllosphaerae	GCTGGCTCTT	CCGGCGC AAA	CCCGTTTGCC	TGTATCGCGG	CAGGCATCGC	TTCCCTGTGG
E_piriflorinigrans	GCCGGCTCAT	CCGGAAGCAA	TCCGTTTGCC	TGTATCGCGG	CGGGGATTGC	GTCGCTGTGG
E_psidii	GCAGGTTCTT	CCGGCGCGAA	CCCGTTTGCC	TGTATCGCAG	CAGGAATTGC	CTCGCTGTGG
E_pyrifoliae	GCCGGCTCCT	CCGGTGC TAA	CCCGTTTGCC	TGTATCGCGG	CGGGGATTGC	CTCGCTGTGG
E_rhapontici	GCCGGTCTGT	CTGGCGCCAA	CCCGTTTGCC	TGTATCGCTG	CAGGTATCGC	CTCCCTGTGG
E_tasmaniensis	GCCGGTCTGT	CCGGTGC CAA	CCCGTTTGCC	TGTATCGCGG	CGGGGATTGC	ATCACTGTGG
E_tracheiphila	GCCGGTCTTT	CTGGCGC AAA	CCCGTTTGCC	TGTATCGCGG	CAGGTATCGC	TTGCTGTGG
E_typographi	GCTGGCTCTT	CCGGCGCTAA	CCCGTTTGCC	TGTATCGCGG	CAGGGATTGC	TTCCCTGTGG
P_agglomerans	GCCGGTTCAA	GCCGGCGCGAA	TCCGTTTGCC	TGTATCGCCG	CCGGGATCGC	CTCCCTGTGG
P_beijingensis	GCAGGCTCTT	CCGGAGCGAA	CCCCCTTGCC	TGTATCGCGG	CAGGGATCGC	TTCACTGTGG
P_dispersa	GCCGGTCTTT	CCGGTGC CAA	CCCGTTTGCC	TGTATCGCGG	CCGGTATCGC	CTCGCTGTGG
P_eucalypti	GCCGGTTCAA	GCCGGCGCGAA	CCCGTTTGCC	TGTATCGCCG	CCGGGATCGC	CTCTCTGTGG
E_sorbitola	GCCGGTCTTT	CTGGTGC TAA	CCCGTTTGCC	TGTATCGCTG	CGGGCATCGC	CTCCCTGTGG
E_toletana	GCAGGTTCTT	CCGGAGCGAA	TCCCCTTGCC	TGTATCGCGG	CAGGCATCGC	CTCACTGTGG
unknown_DE2	GCAGGCTCTT	CTGGTGC TAA	CCCGTTTGCC	TGTATCGCTG	CGGGGATCGC	ATCCCTGTGG
unknown_E602	GCCGGTTCAT	CCGGTGC TAA	CCCGTTTGCC	TGCATCGCGG	CCGGTATCGC	GTCACCTGTGG
unknown_Ejp617	GCCGGCTCCT	CCGGTGC TAA	CCCGTTTGCC	TGTATCGCGG	CGGGGATTGC	GTCGCTGTGG
unknown_QL-Z3	GCCGGTCTTT	CTGGCGCTAA	CCCGTTTGCC	TGTATCGCCG	CGGGGATCGC	TTCCCTGTGG

3541

ecoli_K12	GGACCTGCGC	ACGGCGGTGC	TAACGAAGCG	GCGCTGAAAA	TGCTGGAAGA	AATCAGCTCC
C_E_dadicola	GGGCCAGCAC	ACGGCGGTGC	CAATGAAGCC	TGCTCTGCGAA	TGCTGGAAGA	GATCAGCACC
C_E_haradaeae	GGTCTGTGCG	ATGGTGGGGC	AAATGAAGCT	TGCTCTGTTAA	TGCTAGAAGA	AATTGGTACC
E_amylovora	GGTCTGTGTC	ACGGCGGGGC	AAACGAAGCC	TGCCTGCGTA	TGTTAGAAGA	GATCAGTACC
E_aphidicola	GGACCCGCAC	ACGGCGGGGC	CAACGAAGCC	TGCTCTGCGCA	TGCTGGAAGA	GATCAGCACC
E_billingiae	GGACCTGCCC	ACGGTGGCGC	AAACGAAGCG	ACCCTGCGTA	TGCTGGAAGA	GATCAGCACC
E_endophytica	GGACCCGCAC	ACGGCGGGGC	GAACGAAGCC	TGCCTGCGCA	TGCTGGAAGA	AAATTCACAAC
E_iniecta	GGACCCGGCGC	ACGGTGGTGC	CAACGAAGCT	TGCCTGCGGA	TGCTGGAAGA	GATCAGCAGC
E_mallotivora	GGACCTGCAC	ACGGTGGCGC	GAATGAAGCC	TGCCTGCGGA	TGCTGGAAGA	GATCAGTCTT
E_oleae	GGACCCGGCGC	ACGGCGGGGC	GAACGAAGCC	TGCTCTGCGTA	TGCTGGAAGA	GATCAGCTCC
E_persicina	GGGCCAGCGC	ATGGGGGTGC	AAACGAAGCC	TGCTCTGCGGA	TGCTGGAAGA	GATTAGTACC
E_phyllosphaerae	GGACCGGCAC	ACGGCGGGGC	CAACGAAGCC	TGCCTGCGTA	TGCTGGAAGA	GATCAAAACG
E_piriflorinigrans	GGCCCTGTCT	ACGGCGGAGC	AAACGAGGCT	TGCCTGCGCA	TGTTAGAAGA	GATCAGTACC
E_psidii	GGACCTGCAC	ACGGCGGAGC	GAACGAAGCC	TGCTCTGCGTA	TGCTGGAAGA	GATCAGCACC
E_pyrifoliae	GGGCCTGTCT	ACGGTGGAGC	AAACGAAGCC	TGCCTGCGCA	TGTTAGAAGA	GATCAGTACC
E_rhapontici	GGACCCGGCGC	ACGGTGGTGC	CAACGAAGCC	TGCTCTGCGCA	TGCTGGAAGA	GATCAGCACC
E_tasmaniensis	GGACCTGTCT	ACGGCGGAGC	AAATGAAGCT	TGCCTGCGCA	TGTTAGAAGA	GATCAGCACC
E_tracheiphila	GGGCCTGCAC	ATGGTGGTGC	CAACGAAGCC	TGCCTGCGTA	TGCTGGAAGA	AAATTAGCAG
E_typographi	GGACCCGGCTC	ACGGTGGCGC	CAACGAAGCC	ACCCTGCGTA	TGCTGGAAGA	GATCAGCACC
P_agglomerans	GGACCCGGCGC	ACGGTGGTGC	CAACGAAGCG	ACCCTGCGTA	TGCTGGAAGA	GATCAGCACC
P_beijingensis	GGCCCCGCTC	ACGGCGGAGC	AAACGAAGCC	TGCCTGCGTA	TGCTGGAAGA	GATCAGCAGC
P_dispersa	GGACCTGCGC	ACGGTGGTGC	CAACGAAGCC	ACGCTGCGTA	TGCTGGAAGA	GATCAGCACT
P_eucalypti	GGGCCGGCGC	ACGGCGGTGC	CAACGAAGCG	ACCCTGCGTA	TGCTGGAAGA	GATCAGCACC
E_sorbitola	GGACCGGGCGC	ACGGCGGGGC	AAACGAAGCC	TGCCTGCGGA	TGCTGGAAGA	GATCAGCACC
E_toletana	GGACCCGCTC	ACGGTGGAGC	CAATGAAGCC	TGCCTGCGCA	TGCTGGAAGA	GATCAGCAAC
unknown_DE2	GGACCCGGCTC	ACGGCGGTGC	CAACGAAGCT	ACCCTGCGTA	TGCTGGAAGA	GATCAGCACC
unknown_E602	GGGCCTGCAC	ACGGCGGTGC	CAACGAAGCC	TGCCTGCGTA	TGCTGGAAGA	GATCAGCACC
unknown_Ejp617	GGGCCTGTCT	ACGGTGGAGC	AAACGAAGCC	TGCCTGCGCA	TGTTAGAAGA	GATCAGTACC
unknown_QL-Z3	GGACCTGCCC	ACGGTGGCGC	AAACGAAGCG	ACCCTGCGTA	TGCTGGAAGA	GATCAGCACC

3601

ecoli_K12	GTTAAACACA	TTCCGGGAATT	TGTTGGTGGT	GCGAAAGACA	AAAAATGATTC	TTTCCGCGCTG
C_E_dadicola	GTTGAACACA	TTCCGTGAGTT	CCTGCGCCGC	GCCAAAAGATA	AGAACGATGC	GTTCCGTCTG
C_E_haradaeae	ATTGAAAATA	TTCCGTGTAAT	TTTGGGACGT	GCTAAGGATA	AAAAATGATCC	ATTTCCGTTTA
E_amylovora	GTTGAGCACA	TTCCGTGAATT	CCTGCGCCGG	GCTAAAGATA	AAAAATGATTC	GTTCCGTCTG
E_aphidicola	GTTGAGCATA	TTCCGTGAGTT	CCTGCGCCGC	GCCAAAAGATA	AGAACGATTC	GTTCCGTCTG
E_billingiae	GTTGATCACA	TCCCTGAGTT	CGTGAAGCGT	GCAAAAAGACA	AGAACGATTC	GTTCCGTCTG
E_endophytica	GTTGATCATA	TCCCTGATTT	TCTGCGTCGC	GCGAAAGACA	AAAAATGATTC	ATTCCGCTTA
E_iniecta	GTTGATCATA	TTCCGTGAGTT	TGTTAAACGT	GCGAAAAGATA	AAAAATGATTC	TTTCCGCGCTG
E_mallotivora	GTCGATCATA	TTCCGTGAATT	CCTGCGTCGC	GCCAAAAGATA	AAAAATGATTC	TTTCCGCGCTG
E_oleae	GTTGAACATA	TTCCGTGAATT	CCTGAAGCGC	GCCAAGGACA	AGAACGATTC	GTTCCGTCTG
E_persicina	GTGGAACATA	TTCCGTGAGTT	CCTGCGCCGC	GCGAAAAGACA	AAAAATGATTC	ATTCCGTCTG
E_phyllosphaerae	GTTGAGCACA	TTCCAGAAAT	TATCCGTTCG	GCGAAAAGACA	AGAACGATTC	GTTCCGTCTG
E_piriflorinigrans	GTGAGCACA	TCCCTGAATT	CATCCGCGCT	GCTAAGGATA	AAAAATGATTC	GTTCCGTCTG
E_psidii	GTGGAACACA	TTCCGTGAGTT	CCTGAAGCGG	GCAAAAAGACA	AAAAATGATTC	ATTCCGTCTG
E_pyrifoliae	GTGAGCACA	TCCCTGAATT	CCTGCGTCGC	GCTAAGGATA	AAAAATGATTC	GTTCCGTCTG
E_rhapontici	GTTGAGCACA	TTCCGTGAGTT	CCTGCGCCGC	GCGAAAAGACA	AAAAATGATTC	GTTCCGTCTG
E_tasmaniensis	GTTGAGCACA	TCCAGAGTT	CCTGCGCCGC	GCGAAAAGATA	AAAAATGATTC	GTTCCGTCTG
E_tracheiphila	GTTGATCACA	TTCCGTGAGTT	CCTGCGTCGT	GCCAAAAGACA	AGAATGATTC	GTTCCGCGCTG
E_typographi	GTGAGCACA	TTCCGTGAGTT	CGTTAAGCGC	GCGAAAAGATA	AGAATGATTC	TTTCCGCGCTG
P_agglomerans	GTTGAGCATA	TTCCGGGAATT	TGTTAAACGC	GCCAAAAGACA	AAAAATGATTC	GTTCCGTCTG
P_beijingensis	GTGGAACATA	TTCCGTGAGTT	CCTGCGCCGC	GCTAAGGACA	AAAAATGATTC	TTTCCGTCTG
P_dispersa	GTGGATCACA	TCCCGGAATT	CGTGGTCGCG	GCCAAAAGATA	AGAATGATTC	GTTCCGTCTG
P_eucalypti	GTGAGCACA	TCCCGGAATT	TGTTAAGCGC	GCCAAAAGACA	AAAAATGATTC	ATTCCGTCTG
E_sorbitola	GTTGAGCATA	TTCCGTGAGTT	CCTGCGTCGG	GCGAAAAGACA	AAAAATGATTC	GTTCCGTCTG
E_toletana	GTTGAGCATA	TTCCGTGAGTT	TGTTAAACGT	GCGAAAAGACA	AAAAATGATTC	TTTCCGCGCTG
unknown_DE2	GTGGATCACA	TTCCGTGAATT	TGTTAAGCGT	GCGAAAAGATA	AGAATGATTC	GTTCCGCGCTG
unknown_E602	GTTGAGCACA	TTCCGTGAGTT	CCTGCGCCGC	GCCAAAAGACA	AAAAATGATTC	GTTCCGTCTG
unknown_Ejp617	GTGAGCACA	TCCCTGAATT	CCTGCGTCGC	GCTAAGGATA	AAAAATGATTC	GTTCCGTCTG
unknown_QL-Z3	GTTGATCACA	TTCCGTGAGTT	CGTGAAGCGT	GCAAAAAGACA	AGAATGATTC	GTTCCGTCTG

3661

ecoli_K12	ATGGGCTTCG	GTCACCGCGT	GTACAAAAAT	TACGACCCGC	GCGCCACCGT	AATGCGTGAA
C_E_dadicola	ATGGGCTTCG	GTCACCGCGT	ATATAAGAAC	TACGATCCGC	GCGCCACCGT	AATGCGTGAA
C_E_haradaeae	ATGGGCTTTG	GTCATAGGGT	CTATAAAAAAT	TACGATCCGC	GTGCAATGGT	AATGCGTGAA
E_amylovora	ATGGGCTTCG	GCCACCGCGT	GTATAAGAAC	TACGATCCAC	GCGCCACCGT	GATGCGTGAA
E_aphidicola	ATGGGCTTCG	GTCACCGCGT	GTATAAGAAC	TATGACCCGC	GCGCCACCGT	CATGCGTGAA
E_billingiae	ATGGGCTTCG	GCCACCGCGT	GTATAAGAAC	CACGATCCGC	GTGCAACCGT	GATGCGTGAG
E_endophytica	ATGGGCTTTG	GTCACCGCGT	GTATAAAAAAT	TATGATCCCC	GTGCCACAGT	GATGCGGGAA
E_iniecta	ATGGGCTTCG	GCCATCGCGT	TTACAAAAAC	TACGATCCCC	GTGCGACCGT	AATGCGTGAA
E_mallotivora	ATGGGCTTCG	GTCATCGCGT	GTACAAAAAT	TACGATCCGC	GCGCTACCGT	GATGCGTGAA
E_oleae	ATGGGCTTCG	GCCATCGCGT	GTACAAAGAAC	TACGATCCGC	GCGCCACCGT	AATGCGTGAA
E_persicina	ATGGGCTTTG	GCCACCGCGT	TTACAAAAAC	TACGATCCCC	GTGCCACAGT	GATGCGTGAA
E_phyllosphaerae	ATGGGCTTTG	GTCACCGCGT	GTATAAAAAAT	TATGACCCGC	GCGCCACCGT	AATGCGTGAA
E_piriflorinigrans	ATGGGCTTCG	GCCACCGCGT	GTATAAGAAC	TACGATCCGC	GTGCGACCGT	TATGCGCGAA
E_psidii	ATGGGCTTTG	GCCACCGTGT	CTATAAGAAC	TACGACCCGC	GCGCTACCGT	CATGCGTGAA
E_pyrifoliae	ATGGGCTTTG	GTCACCGCGT	GTACAAGAAC	TACGATCCGC	GCGCCACCGT	GATGCGTGAA
E_rhapontici	ATGGGCTTCG	GCCACCGCGT	TTACAAGAAC	TACGATCCGC	GTGCCACCGT	GATGCGTGAA
E_tasmaniensis	ATGGGCTTTG	GCCACCGCGT	CTATAAGAAC	TACGATCCGC	GCGCGACCGT	TATGCGCGAA
E_tracheiphila	ATGGGCTTCG	GCCACCGCGT	GTATAAGAAC	TACGATCCGC	GTGCGACCGT	AATGCGTGAA
E_typographi	ATGGGCTTTG	GTCACCGCGT	ATATAAAAAAC	CATGACCCAC	GCGCTACCGT	AATGCGTGAA
P_agglomerans	ATGGGCTTTG	GTCACCGCGT	TTACAAAAAC	TACGATCCAC	GCGCGACCGT	GATGCGCGAT
P_beijingensis	ATGGGCTTTG	GGCACCGTGT	CTATAAGAAC	TATGACCCGC	GTGCTACCGT	GATGCGCGAA
P_dispersa	ATGGGCTTCG	GTCACCGTGT	GTATAAGAAC	TATGACCCGC	GCGCGACCGT	GATGCGTGAA
P_eucalypti	ATGGGCTTTG	GTCACCGCGT	GTATAAAAAAC	TACGATCCAC	GCGCAACCGT	GATGCGAGAT
E_sorbitola	ATGGGCTTCG	GCCACCGCGT	TTATAAAAAAC	TACGATCCGC	GTGCCACCGT	GATGCGTGAA
E_toletana	ATGGGCTTTG	GCCATCGCGT	TTACAAAAAT	TACGATCCGC	GTGCGACCGT	GATGCGTGAA
unknown_DE2	ATGGGCTTTG	GTCACCGTGT	TTATAAAAAAC	CATGACCCGC	GCGCCACCGT	GATGCGTGAA
unknown_E602	ATGGGCTTCG	GTCACCGCGT	TTACAAAAAC	TACGACCCGC	GTGCCACCGT	AATGCGTGAG
unknown_Ejp617	ATGGGCTTTG	GCCACCGCGT	GTATAAAAAAC	TACGATCCGC	GCGCCACCGT	GATGCGTGAA
unknown_QL-Z3	ATGGGCTTCG	GCCACCGCGT	GTATAAGAAC	CACGATCCGC	GCGCAACCGT	GATGCGTGAG

3721

ecoli_K12	ACCTGCCATG	AAGTGTCTGAA	AGAGCTGGG	ACGAAGGATG	ACCTGCTGGA	AGTGGCTATG
C_E_dadicola	ACCTGCCACG	AAGTGTCTGAA	TGAGTTGGGT	ATGAAAAGATG	ACCTGTTTGA	AGTGGCAATG
C_E_haradaeae	GTATGTTCATG	AAGTTCCTGAA	TCATCTAGAA	GTAAAAAAG	ATCTCATGGA	AGTGGCAATG
E_amylovora	ACCTGTTCATG	AAGTGTCTGAA	TGAGCTGGGG	ATGAAAGACG	ATCTGCTGGA	AGTAGCGATG
E_aphidicola	ACCTGCCATG	AAGTGTCTGAA	TGAGCTGGGG	ATGAAAAGATG	ACCTGCTGGA	AGTGGCGATG
E_billingiae	ACCTGTTCATG	AAGTGTCTGAA	CGAACTGGGT	ATGAAGGACG	ATCTGTTTGA	AGTGGCGATG
E_endophytica	ACCTGTTCATG	AAGTGTCTGAA	AGAGTTGGGG	ATGAAAAGATG	ATCTGCTGGA	AGTGGCGATG
E_iniecta	ACCTGCCATG	AAGTGTCTGAA	CGAGCTGGGT	ATGAAAAGATG	ACCTGCTGGA	AGTGGCGATG
E_mallotivora	ACCTGCCATG	AAGTTCCTCAA	TGAGCTGGGA	ATGAAAAGATG	ATCTGCTGGA	AGTGGCGATG
E_oleae	ACCTGCCATG	AAGTGTCTGAA	TGAACTGGGC	ATGAAGGACG	ACCTGCTGGA	AGTGGCGATG
E_persicina	ACCTGCCACG	AAGTGTCTGAA	AGAGCTGGGC	ATGAAAAGATG	ACCTGCTGGA	AGTGGCCATG
E_phyllosphaerae	ACCTGCCATG	AAGTGTCTGGA	AGAGCTGGGT	ATGAAGGACG	ACCTGCTGGA	AGTGGCCATG
E_piriflorinigrans	ACCTGCCACG	AAGTTCCTGAA	TGAGCTGGGT	ATGAAAAGATG	ACCTGCTGGA	AGTGGCGATG
E_psidii	ACCTGTTCATG	AAGTGTCTGAA	AGAGCTGGGA	ATGAAAAGATG	ACCTGCTGGA	AGTGGCCATG
E_pyrifoliae	ACCTGTTCATG	AAGTGTCTGAA	TGAGCTGGGA	ATGAAGGACG	ATCTGCTGGA	AGTGGCGATG
E_rhapontici	ACCTGCCATG	AAGTGTCTGAA	AGAGCTGGGC	ATGAAAAGATG	ACCTGCTGGA	AGTGGCGATG
E_tasmaniensis	ACCTGCCATG	AAGTGTCTGAA	TGAGCTGGGT	ATGAAAAGATG	ACCTGCTGGA	AGTGGCGATG
E_tracheiphila	ACCTGTTCACG	AAGTGTCTGAA	AGAGCTGGGT	ATGAAAAGATG	ACCTGCTGGA	AGTGGCCATG
E_typographi	ACCTGTTCACG	AAGTGTCTGAA	CGAACTGGGC	ATGAAGGACG	ATCTGCTGGA	AGTGGCGATG
P_agglomerans	ACCTGCCATG	AAGTTCCTGAA	TGAGCTGGGT	ATGAAGGATG	ACCTGCTGGA	AGTGGCGATG
P_beijingensis	ACCTGTTCATG	AAGTATCTGAA	AGAGCTGGGT	ATGAAAAGATG	ACCTGCTGGA	AGTGGCAATG
P_dispersa	ACCTGTTCATG	AAGTGTCTGAA	CGAGCTGGGC	ATGAAGGACG	ACCTGCTGGA	AGTGGCGATG
P_eucalypti	ACCTGCCATG	AAGTGTCTGAA	TGAGCTGGGT	ATGAAGGATG	ACCTGCTGGA	AGTGGCGATG
E_sorbitola	ACCTGCCATG	AAGTGTCTGAA	AGAGCTGGGT	ATGAAAAGATG	ACCTGCTGGA	AGTGGCCATG
E_toletana	ACCTGTTCACG	AAGTGTCTGAA	CGAGCTGGGT	ATGAAAAGATG	ACCTGCTGGA	AGTAGCGATG
unknown_DE2	ACCTGTTCATG	AAGTGTCTGAA	CGAACTGGGC	ATGAAGGACG	ATCTGCTGGA	AGTGGCGATG
unknown_E602	ACCTGCCATG	AAGTGTCTCAA	CGAGCTGGGC	ATGAAAAGATG	ACCTGCTGGA	AGTGGCGATG
unknown_Ejp617	ACCTGTTCATG	AAGTGTCTGAA	TGAGCTGGGT	ATGAAGGACG	ATCTGCTGGA	AGTGGCGATG
unknown_QL-Z3	ACCTGTTCATG	AAGTGTCTGAA	CGAACTGGGC	ATGAAGGACG	ATCTGTTTGA	AGTGGCGATG

3781

ecoli_K12	GAGCTGGAAA	ACATTGCGCT	GAACGACCCG	TACTTTTATCG	AGAAGAAACT	GTACCCGAAC
C_E_dadicola	GAGCTGGAAC	ACATTGCGCT	GAACGACCCG	TACTTTCATCG	AACGTAAACT	CTATCCAAAC
C_E_haradaeae	GAACCTGAAT	ATATTGCATT	ACATGATTCT	TATTTTATCG	AGAGAAAGCT	TTATCCAAAT
E_amylovora	GAGCTTGAAC	ACATTGCGCT	GAATGATCCG	TACTTTCATCG	AGCGAAAACT	CTATCCTAAC
E_aphidicola	GAGCTGGAAC	ACATTGCGCT	GAACGACCCG	TACTTTCATCG	AACGTAAACT	CTATCCAAAC
E_billingiae	AAGCTGGAAAG	ATATCGCGCT	GAACGACCCG	TACTTTTATCG	AGCGTAAACT	TTATCCAAAC
E_endophytica	GAGCTGGAAC	ACATTGCACT	GAACGACCCC	TACTTTCATTG	AGCGTAAACT	CTATCCTAAC
E_iniecta	GAGCTGGAAC	ATATCGCGCT	GAACGACCCG	TACTTTTATCG	AGCGTAAACT	CTATCCTAAC
E_mallotivora	GAGCTGGAAC	ACATTGCGCT	GAACGACCCG	TACTTTCATTG	AGCGTAAACT	CTATCCTAAC
E_oleae	GAACCTGGAAA	ACATTGCGCT	GAATGACCCC	TACTTTTATTG	AACGTAAACT	TTATCCAAAC
E_persicina	GAGCTGGAGC	ATATTGCGCT	GAACGACCCG	TACTTTCATTG	AGCGTAAACT	CTATCCAAAC
E_phyllosphaerae	GAGCTGGAGC	ATATCGCGCT	GAACGATCCG	TACTTTTATTG	AGCGTAAACT	CTATCCCAAC
E_piriflorinigrans	GAGCTGGAGC	ACATTGCACT	CAACGACCCG	TACTTTTATTG	AACGTAAACT	CTATCCTAAC
E_psidii	GAGCTGGAGC	ACATTGCGCT	GAACGATCCG	TACTTTTATTG	AACGCAAGCT	TTATCCTAAC
E_pyrifoliae	GAGCTTGAAC	ACATTGCACT	CAACGACCCC	TACTTTCATTG	AGCGTAAACT	CTATCCCAAC
E_rhapontici	GAGCTGGAAC	ACATTGCGCT	GAACGACCCG	TACTTTCATTG	AGCGTAAACT	CTATCCAAAC
E_tasmaniensis	GAGCTGGAGC	ACATTGCGCT	TAACGACCCC	TACTTTCATCG	AGCGTAAACT	TTATCCAAAC
E_tracheiphila	GAACCTGGAGT	ATATTGCGCT	TAACGATCCC	TACTTTTATTG	AACGTAAACT	CTATCCGAAC
E_typographi	CAGCTTGAAG	ATATTGCTCT	TAACGATCCG	TACTTTTATCG	AGCGTAAACT	CTATCCAAAC
P_agglomerans	GAGCTGGAAC	ACATTGCGCT	GAACGACCCG	TACTTTCATTG	AGCGTAAACT	CTATCCAAAC
P_beijingensis	GAACCTTGAGC	ACATTGCTCT	GAACGATCCG	TACTTTCATTG	AGCGTAAACT	CTATCCAAAC
P_dispersa	GAGCTGGAGC	ACATTGCGCT	GAACGACCCG	TACTTTCATCG	AGCGTAAACT	CTATCCGAAC
P_eucalypti	GAGCTGGAAC	ACATTGCGCT	GAACGACCCG	TACTTTTATCG	AGCGTAAACT	CTATCCAAAC
E_sorbitola	GAACCTGGAAC	ACATTGCGCT	GAACGACCCG	TACTTTTATTG	AGCGTAAACT	CTATCCAAAC
E_toletana	GAGCTGGAAC	ATATTGCGCT	GAACGACCCG	TACTTTTATCG	AGCGTAAACT	CTATCCAAAC
unknown_DE2	CAGCTTGAAG	ATATCGCCCT	GAACGACCCG	TACTTTTATCG	AACGTAAAGCT	TTATCCCTAAC
unknown_E602	GAGCTTGAAC	ACATTGCGCT	TAATGACCCG	TACTTTCATCG	AGCGTAAAGCT	GTATCCCAAC
unknown_Ejp617	GAGCTGGAAC	ACATTGCACT	CAACGACCCC	TACTTTCATTG	AGCGTAAACT	CTATCCCAAC
unknown_QL-Z3	AAGCTTGAAG	ATATCGCGCT	GAACGACCCG	TACTTTTATCG	AGCGTAAACT	CTATCCAAAC

3841

ecoli_K12	GTCGATTCT	ACTCTGGTAT	CATCCTGAAA	GCGATGGGTA	TTCCGTCTTC	CATGTTACC
C_E_dacicola	GTCGATTCT	ATTCAGGCAT	CATTCTGAAA	GCGATGGGCA	TTCCGTCTTC	CATGTTTACC
C_E_haradaeae	GTTGATTTT	ATTCAGGTAT	TATCCTGAAG	GCAATGGGTA	TTCCCTTCATC	TATGTTTACA
E_amylovora	GTTGACTTCT	ATTCGGGCAT	CATTCTAAAA	GCGATGGGTA	TTCCCTTCCTC	TATGTTACG
E_aphidicola	GTCGATTCT	ATTCAGGCAT	CATTCTGAAA	GCGATGGGCA	TTCCGTCTTC	CATGTTTACC
E_billingiae	GTCGACTTCT	ACTCAGGCAT	TATCTGAAA	GCGATGGGCA	TTCCGTCTTC	CATGTTTACC
E_endophytica	GTTGATTCT	ACTCTGGCCT	GATCCTCAA	GCAATGGGGA	TCCCTACCTC	AATGTTTACG
E_iniecta	GTCGATTCT	ACTCCGGCAT	TATCTGAAA	GCGATGGGTA	TTCCCTTCCTC	CATGTTTACC
E_mallotivora	GTTGACTTCT	ACTCCGGTCT	GATCCTGAAA	GCGATGGGCA	TTCCCTCTTC	GATGTTTACG
E_oleae	GTCGATTCT	ATTCAGGCT	GATCCTGAAA	GCGATGGGCA	TTCCCTTCCTC	CATGTTACG
E_persicina	GTTGACTTCT	ATTCGGGCAT	CATTCTGAAA	GCGATGGGTA	TTCCATCGTC	TATGTTTACC
E_phyllosphaerae	GTCGACTTCT	ATTCAGGTCT	GATCCTGAAA	GCGATGGGTA	TTCCCTCGTC	TATGTTTACC
E_piriflorinigrans	GTCGACTTCT	ATTCAGGCAT	CATTCTGAAA	GCAATGGGGA	TTCCGTCTTC	CATGTTACG
E_psidii	GTTGACTTCT	ACTCAGGGCT	GATCCTGAAA	GCAATGGGCA	TTCCGTCTTC	AATGTTTACC
E_pyrifoliae	GTCGACTTCT	ATTCAGGCAT	TATCTGAAA	GCAATGGGAA	TTCCCTTCATC	TATGTTTACG
E_rhapontici	GTCGACTTCT	ATTCAGGCAT	CATTCTGAAA	GCAATGGGCA	TTCCGTCTTC	CATGTTTACG
E_tasmaniensis	GTCGACTTCT	ATTCAGGGAT	CATTCTGAAA	GCGATGGGGA	TCCCATCTTC	CATGTTACG
E_tracheiphila	GTTGATTCT	ATTCAGGACT	GATCTGAAA	GCAATGGGGA	TTCCCTTCCTC	GATGTTTACC
E_typographi	GTCGACTTCT	ACTCTGGCAT	CATTCTGAAA	GCGATGGGCA	TCCCTTCCTC	TATGTTTACC
P_agglomerans	GTTGACTTCT	ACTCCGGTAT	CATTCTGAAA	GCGATGGGTA	TTCCATCCTC	CATGTTTACG
P_beijingensis	GTTGACTTCT	ATTCAGGTAT	TATCTGAAA	GCAATGGGTA	TCCCGTCATC	CATGTTTACC
P_dispersa	GTCGATTCT	ATTCGGGCAT	CATCCTGAAA	GCGATGGGCA	TTCCGTCTTC	AATGTTTACC
P_eucalypti	GTTGACTTCT	ATTCGGGTAT	CATTCTGAAA	GCGATGGGTA	TTCCATCCTC	CATGTTTACG
E_sorbitola	GTCGATTCT	ATTCAGGCAT	CATTCTGAAA	GCGATGGGTA	TTCCCTCTTC	CATGTTTACC
E_toletana	GTCGATTCT	ATTCGGGCAT	TATCTGAAA	GCGATGGGTA	TTCCCTCTTC	GATGTTACC
unknown_DE2	GTCGACTTCT	ACTCCGGCAT	TATCTGAAA	GCGATGGGCA	TCCCTCTTC	CATGTTTACC
unknown_E602	GTCGACTTCT	ACTCCGGCAT	CATCCTAAG	GCGATGGGCA	TCCCGTCATC	CATGTTTACC
unknown_Ejp617	GTCGACTTCT	ATTCAGGCAT	TATCTGAAA	GCAATGGGAA	TTCCGTCTTC	CATGTTTACC
unknown_QL-Z3	GTCGACTTCT	ATTCAGGCAT	TATCTGAAA	GCGATGGGCA	TTCCGTCTTC	CATGTTTACC

3901

ecoli_K12	GTCATTTTCG	CAATGGCAG	TACCGTTGGC	TGGATCGCCC	ACTGGAGCGA	AATGCACAGT
C_E_dacicola	GTCATTTTCG	CGATGGCGCG	TACCGTTGGC	TGGATTCGAC	ACTGGAAAGA	GATGCATGAT
C_E_haradaeae	GCAATTTTTC	CCATGGCGCG	CACCGTGGGC	TGGATCGCAC	ATTGGAAGGA	AATGCATGAT
E_amylovora	GTCATTTTCG	CCATGGCAG	CACCGTGGGC	TGGATTGCTC	ACTGGAAAGA	AATGCATGAT
E_aphidicola	GTCATTTTCG	CGATGGCGCG	TACCGTGGGC	TGGATTCGAC	ACTGGAAAGA	GATGCATGAC
E_billingiae	GTCATTTTCG	CGATGGCGCG	TACCGTGGGC	TGGATTCGAC	ACTGGAAAGA	AATGCACGAC
E_endophytica	GTAATTTTCG	CGATGGCGCG	CACCGTGGGC	TGGATTGCCC	ACTGGAAAGA	AATGCACGAC
E_iniecta	GTCATTTTCG	CGATGGCGCG	TACCGTGGGC	TGGATTGCTC	ACTGGAAAGA	GATGCACGAC
E_mallotivora	GTTATTTTTC	CCATGGCGCG	TACCGTGGGC	TGGATTGCAC	ACTGGAAAGA	GATGCACGAC
E_oleae	GTCATTTTCG	CAATGGCGCG	TACCGTAGGC	TGGATTGCTC	ACTGGAAAGA	GATGCACGAC
E_persicina	GTCATTTTTC	CGATGGCGCG	TACTGTAGGC	TGGATTGCCC	ACTGGAAAGA	AATGCATGAC
E_phyllosphaerae	GTTATTTTTC	CGATGGCGCG	TACCGTGGGC	TGGATTGCAC	ACTGGAAAGA	GATGCACGAT
E_piriflorinigrans	GTCATTTTTC	CGATGGCAG	AACCGTGGGC	TGGATTGCTC	ACTGGAAGGA	AATGCACGAT
E_psidii	GTCATTTTCG	CCATGGCCCG	TACCGTGGGC	TGGATCGCAC	ACTGGAAGGA	AATGCACGAT
E_pyrifoliae	GTTATTTTTC	CCATGGCAG	TACCGTGGGC	TGGATTGCTC	ACTGGAAGGA	AATGCATGAC
E_rhapontici	GTTATTTTTC	CGATGGCAG	TACCGTGGGC	TGGATTGCAC	ACTGGAAGGA	AATGCATGAC
E_tasmaniensis	GTCATTTTTC	CTATGGCGCG	TACCGTGGGC	TGGATTGCCC	ACTGGAAGGA	AATGCACGAC
E_tracheiphila	GTCATTTTCG	CCATGGCCCG	CACCGTAGGC	TGGATTGCAC	ACTGGAAGGA	GATGCACGAT
E_typographi	GTCATTTTTC	CCATGGCGCG	TACCGTGGGC	TGGATTGCCC	ACTGGAAGGA	GATGCACGAC
P_agglomerans	GTCATTTTCG	CGATGGCCCG	TACTGTGGGC	TGGATTGCAC	ACTGGAAGGA	GATGCACGAC
P_beijingensis	GTTATTTTTC	CGATGGCGCG	TACCGTGGGC	TGGATTGCTC	ACTGGAAGGA	GATGCATGAT
P_dispersa	GTCATTTTCG	CAATGGCGCG	TACCGTGGGC	TGGATTGCGC	ACTGGAAGGA	GATGCACGAC
P_eucalypti	GTCATTTTCG	CGATGGCCCG	TACTGTGGGC	TGGATTGCAC	ACTGGAAGGA	GATGCACGAC
E_sorbitola	GTTATTTTTC	CGATGGCGCG	TACCGTGGGC	TGGATTGCGC	ACTGGAAGGA	GATGCACGAT
E_toletana	GTCATTTTTC	CGATGGCGCG	TACCGTAGGC	TGGATTGCTC	ACTGGAAGGA	GATGCACGAT
unknown_DE2	GTCATTTTCG	CCATGGCGCG	TACCGTAGGC	TGGATTGCCC	ACTGGAAGGA	GATGCATGAT
unknown_E602	GTCATTTTCG	CCATGGCGCG	TACCGTGGGC	TGGATCGCCC	ACTGGAAGGA	GATGCATGAC
unknown_Ejp617	GTTATTTTTC	CCATGGCAG	TACCGTGGGC	TGGATTGCTC	ACTGGAAGGA	AATGCATGAC
unknown_QL-Z3	GTCATTTTCG	CGATGGCGCG	TACCGTGGGC	TGGATTGCAC	ACTGGAAGGA	AATGCACGAC

3961

ecoli_K12	GACGGTATGA	AGATTGCCCC	TCCGGGTCAG	CTGTATACAG	GATATGAAAA	ACGGGACTTT
C_E_dadicola	GACGGGCTGA	AAATTGCCCC	TCCACGCCAG	TTGTATACITG	GCTACGATCA	GCGCGATTTC
C_E_haradaeae	GAAGGTATTA	AAATTTCCTCG	ACCTCGACAA	TTATATACITG	GATATACACA	ACGAAATTTT
E_amylovora	GATGGGGTGA	AAATTGCCCC	CCCGGCTCAG	CTTTACACCG	GTACGACCA	GCGTAATTTT
E_aphidicola	GACGGGCTGA	AAATTGCCCC	TCCGGGCCAG	TTGTATACITG	GCTACGATCA	GCGCGATTTC
E_billingiae	GACGGCATCA	AAATTGCCCC	TCCGGGTCAG	CTGTATACCG	GCTATGACAA	GCGTGACTTC
E_endophytica	GACGGCATCA	AAATTGCCCC	TCCACGTCAG	TTGTATACCG	GTACGACCA	GCGTGATTTC
E_iniecta	GACGGCATTA	AAATTGCCCC	TCCGGGTCAG	CTGTATACCG	GTACGATAA	GCGGGAATTC
E_mallotivora	GACGGGCTTA	AAATCGCCCC	TCCGGGTCAG	CTTTACACCG	GCTATGACCA	GCGCGATTTC
E_oleae	GACGGGCTTA	AAATCGCGCG	TCCTCGCCAG	CTTTATACITG	GTACGATCA	GCGCGATTTC
E_persicina	GACGGTCTGA	AAATTGCCCC	TCCACGCCAG	CTTTACACTG	GCTATGACCA	GCGTGATTTC
E_phyllosphaerae	GACGGCATTA	AAATTGCCCC	TCCGGGTCAG	CTTTATACCG	GTACGACCA	GCGCGAGTTT
E_piriflorinigrans	GATGGGCTGA	AAATTGCCCC	TCCGGGTCAG	CTTTACACCG	GCTACGATCA	GCGTGATTTC
E_psidii	GATGGCATTA	AAATTGCCCC	TCCGGGTCAG	CTCTATACCG	GCTACGATCA	GCGTGATTTC
E_pyrifoliae	GATGGGCTGA	AAATTGCCCC	TCCGGGTCAG	CTTTACACCG	GCTACGATAA	GCGCGACTTT
E_rhapontici	GATGGTGTGA	AAATCGCCCC	TCCACGCCAG	TTGTACACTG	GCTACGATCA	GCGTGATTTC
E_tasmaniensis	GATGGTGTGA	AAATTGCCCC	CCCTCGTCAG	CTCTACACCG	GCTACGATCA	GCGCGATTTC
E_tracheiphila	GACGGGCTTA	AAATTGCCCC	TCCGGGTCAG	CTTTATACCG	GTACGACAA	GCGTGATTTC
E_typographi	GACGGCATCA	AAATCGCCCC	TCCTCGCCAG	CTTTATACCG	GCTACGGCCA	GCGTGACTTT
P_agglomerans	GAAGGCATGA	AGATTGCCCC	TCCACGTCAG	CTCTACACCG	GTATATACCGA	GCGCGAATTC
P_beijingensis	GACGGCATCA	AAATTGCCCC	TCCGGGTCAG	CTGTACACCG	GTACGATCA	ACGCGATTTC
P_dispersa	GAAGGCATGA	AGATTGCCCC	CCACGTCAG	CTCTACACCG	GTACACCGA	GCGCGAATTC
P_eucalypti	GAAGGCATGA	AGATTGCCCC	TCCGGGTCAG	CTCTACACCG	GTATATACCGA	GCGCGAATTC
E_sorbitola	GACGGGCTGA	AAATTGCCCC	TCCGGGCCAG	CTGTACACCG	GCTACGACCA	GCGCGATTTC
E_toletana	GACGGCATTA	AAATTGCCCC	TCCACGTCAG	CTGTATACCG	GTACGATAA	GCGTGATTTC
unknown_DE2	GACGGCATTA	AAATTGCCCC	TCCTCGCCAG	CTTTATACCG	GCTACGACAA	GCGCGATTTC
unknown_E602	GAAGGGCTGA	AGATCGCCCC	TCCGGGTCAG	CTCTACACCG	GTACGAACA	GCGTGATTTC
unknown_Ejp617	GATGGGCTGA	AAATTGCCCC	TCCGGGTCAG	CTTTACACCG	GCTACGATAA	ACGCGACTTT
unknown_QL-Z3	GACGGCATCA	AAATTGCCCC	TCCGGGTCAG	CTGTATACCG	GCTACGACAA	GCGTGACTTC

4021

ecoli_K12	AAAAGCGATA	T---CAAGCG	TTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
C_E_dadicola	ACGTCGAATA	T---TAAGAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATTTCGT
C_E_haradaeae	AGCTCTAATA	T---TAAATC	GTAGATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_amylovora	ACCTCAAAAG	T---TAAAAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_aphidicola	ACGTCGAATA	T---TAAGAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATTTCGT
E_billingiae	AAGTCTGGCA	C---CAAG--	-TAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_endophytica	AAGTCCGCCA	T---CAACAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATTTCGT
E_iniecta	TCCTCACAGC	TTAACAAAAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATTTCGT
E_mallotivora	ACGTCACATA	T---CAGTAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATTTCGT
E_oleae	AAATCCGGGC	T---CAAA--	-TAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATTTCGT
E_persicina	AGCTCTAAAA	T---CAAG--	-TAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_phyllosphaerae	AAATCCGCTA	C-----GAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_piriflorinigrans	ACCTCAAAAA	T---TAAAAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_psidii	AAATCCAAAC	T---TCAGAA	ATAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_pyrifoliae	ACCTCCAACA	T---CAAA--	-TAGATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_rhapontici	TCGTCAAAACA	T---CAAGAA	ATAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_tasmaniensis	ACCTCTAACA	T---TAAAAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_tracheiphila	AAATCCAATA	T---AGCGAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATTTCGT
E_typographi	AAGTCTGGGA	C---CAAG--	-TAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
P_agglomerans	AGCTCACAGC	T---GAAAAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
P_beijingensis	CAGTCTCAGC	T---GAAAAA	ATAGATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATTTCGT
P_dispersa	AGCTCGGGCC	T---GAAAAA	ATAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
P_eucalypti	AGTTCACAGC	T---GAAGAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_sorbitola	TCGTCAAAAA	T---TAAGAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
E_toletana	TCTTCACAGC	TGAAGAAAAA	ATAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
unknown_DE2	ACTTCCAAAA	C---TCAG--	-TAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATCCGT
unknown_E602	ACCTCACAGC	T---GAAGAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGCATTTCGT
unknown_Ejp617	ACCTCCAACA	T---CAAAAA	GTAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT
unknown_QL-Z3	AAATCTGGCA	C---CAAG--	-TAAATGGTT	TACTCCTATA	CCGAGAAAAA	ACGTATTTCGT

4081

ecoli_K12	AAGGATTTTG	GTAACGTC	ACAAGTCTG	GATGTACCTT	ATCTCCTTTT	TATCCAGCTT
C_E_dadicola	AAGGATTTTG	GAAAAAGTCC	ACAAGTCTG	GACATTCCAT	ATCTCCTTTT	TATCCAGCTT
C_E_haradaeae	AAAGATTTTG	GAAAAGCTCC	AGAAGTACTG	GAAAAATCCCT	ATCTTCTTTT	TATTCAGCTG
E_amylovora	AAGGATTTTG	GAAAAAGTCC	ACAAGTCTG	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
E_aphidicola	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCAT	ATCTCCTTTT	TATCCAGCTT
E_billingiae	AAGGATTTTG	GAAAAGCTCC	CCAGGTGCTC	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
E_endophytica	AAGGATTTTG	GTAACGTC	ACAAGTCTG	GACATGCCAT	ATCTCCTTTT	TATCCAGCTT
E_iniecta	AAGGATTTTG	GTAACGTC	ACAAGTCTG	GACATTCCAT	ATCTCCTTTT	TATCCAGCTT
E_mallotivora	AAGGATTTTG	GAAAAAGTCC	ACAAGTCTG	GATATTCCCT	ATCTCCTTTT	TATCCAGCTT
E_oleae	AAGGATTTTG	GAAAAAGTCC	ACAGGTCTG	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
E_persicina	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCAT	ATCTCCTTTT	TATCCAGCTT
E_phyllosphaerae	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
E_piriflorinigrans	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCAT	ATCTCCTTTT	TATCCAGCTT
E_psidii	AAGGATTTTG	GAAAAGCTCC	GCAAGTCTG	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
E_pyrifoliae	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
E_rhapontici	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCAT	ATCTCCTTTT	TATCCAGCTT
E_tasmaniensis	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
E_tracheiphila	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCAT	ATCTCCTTTT	TATCCAGCTT
E_typographi	AAGGATTTTG	GAAAAGCTCC	CCAGGTGCTG	GACATGCCCT	ATCTCCTTTT	TATCCAGCTT
P_agglomerans	AAGGATTTTG	GTAACGTC	GCAAGTACTG	GACATACCTT	ATCTCCTTTT	CATCCAGCTC
P_beijingensis	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GATATTCCAT	ATCTCCTTTT	TATCCAGCTT
P_dispersa	AAGGATTTTG	GTAACGTC	ACAAGTACTG	GATGTGCCCT	ATCTCCTTTT	CATCCAGCTT
P_eucalypti	AAGGATTTTG	GTAACGTC	GCAAGTACTG	GACATACCTT	ATCTCCTTTT	CATCCAGCTC
E_sorbitola	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCAT	ATCTCCTTTT	TATCCAGCTT
E_toletana	AAGGATTTTG	GTAACGTC	ACAAGTCTG	GACATTCCAT	ATCTCCTTTT	TATCCAGCTT
unknown_DE2	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
unknown_E602	AAGGATTTTG	GAAAAGCTCC	ACAAGTACTG	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
unknown_Ejp617	AAGGATTTTG	GAAAAGCTCC	ACAAGTCTG	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT
unknown_QL-Z3	AAGGATTTTG	GAAAAGCTCC	CCAGGTGCTC	GACATTCCCT	ATCTCCTTTT	TATCCAGCTT

4141

ecoli_K12	GACTCGTTTC	AGAAATTAT	CGAGCAAGAT	CCTGAAGGGC	AGTATGGTCT	GGAAGCTGCT
C_E_dadicola	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AATATGGTCT	GGAAGCAGCA
C_E_haradaeae	AATTCGTTCC	GAAAATTAT	TGAGCGAGAT	CCAGAAGGGC	AATACGGTCT	AGAATGCAGCA
E_amylovora	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AATATGGGCT	GGAAGCGGCA
E_aphidicola	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AATATGGTCT	GGAAGCAGCA
E_billingiae	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAC	CCGGAAGGTC	AACATGGTTT	GGAAGCGGCT
E_endophytica	GACTCGTTCC	AGAAGTTCAT	TGAGCAAGAT	CCGGAAGGTC	AATACGGTCT	GGAAGCTGCC
E_iniecta	GACTCGTTCC	AGAAGTTTAT	CGAGCAAGAT	CCGGAAGGCC	AGTACGGGCT	GGAAGCAGCA
E_mallotivora	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AGTACGGTCT	GGAAGCGGCT
E_oleae	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCTGAAGGAC	AATATGGTCT	GGAAGCAGCT
E_persicina	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AATATGGTCT	GGAAGCAGCA
E_phyllosphaerae	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AATATGGTCT	GGAAGCTGCC
E_piriflorinigrans	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AACATGGACT	GGAAGCGGCA
E_psidii	GACTCGTTCC	AGAAATTAT	CGAGCAAGAC	CCGGAAGGTC	AATACGGCTT	GGAAGCAGCT
E_pyrifoliae	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AACATGGACT	GGAAGCGGCA
E_rhapontici	GACTCGTTTC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AATATGGTCT	GGAAGCAGCA
E_tasmaniensis	GACTCGTTCC	AGAAATTAT	CGAGCAAGAT	CCGGAAGGTC	AATATGGTCT	GGAAGCTGCA
E_tracheiphila	GACTCGTTCC	AGAAATTAT	CGAGCAAGAT	CCGGAAGGTC	AATACGGTCT	GGAAGCGGCA
E_typographi	GACTCGTTCC	AGAAGTTCAT	CGAGCAGGAT	CCGGAAGGTC	AACATGGTCT	GGAAGCGGCA
P_agglomerans	GACTCGTTCC	AGAAGTTTAT	CGAGCAAGAT	CCAGAAGGTC	AGTACGGACT	GGAAGCTGCA
P_beijingensis	GACTCGTTTC	AGAAATTAT	CGAGCAAGAT	CCGGAAGGCC	AGTACGGGCT	GGAAGCAGCA
P_dispersa	GACTCGTTCC	AGAAGTTTAT	CGAGCAAGAT	CCAGAAGGCC	AGTACGGTCT	GGAAGCAGCC
P_eucalypti	GACTCGTTCC	AGAAGTTTAT	CGAGCAAGAT	CCAGAAGGTC	AGTACGGACT	GGAAGCTGCA
E_sorbitola	GACTCGTTTC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AATATGGTCT	GGAAGCAGCA
E_toletana	GACTCGTTCC	AGAAGTTTAT	CGAGCAAGAT	CCGGAAGGCC	AGTACGGACT	GGAAGCAGCA
unknown_DE2	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGTC	AATATGGTCT	GGAAGCTGCT
unknown_E602	GACTCGTTCC	AGAAGTTTAT	CGAGCAAGAT	TGGAAGGTC	AGTATGGTCT	GGAAGCAGCA
unknown_Ejp617	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAT	CCGGAAGGCC	AATATGGACT	GGAAGCGGCA
unknown_QL-Z3	GACTCGTTCC	AGAAGTTCAT	CGAGCAAGAC	CCGGAAGGTC	AACATGGTTT	GGAAGCGGCT

4201

ecoli_K12	TTCCGTTCCG	TATTCCCAGT	TCAGAGCTAC	AGCGGTAATT	CCGAGCTGCA	ATACGTCAGC
C_E_dacicola	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAATT	CTGAGCTGCA	GTACGTCAGC
C_E_haradaeae	TTCCGTTCAA	TATTCCCAGT	ACAAAGTTAT	AGCGGTCATG	CAGAAGCTCA	ATATGTCAGC
E_amylovora	TTCCGTTCCG	TATTTCCAAAT	CCAAAGCTAT	AGCGGTAACAT	CTGAGCTGCA	GTACGTCAGC
E_aphidicola	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAATT	CTGAGCTGCA	GTACGTCAGC
E_billingiae	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAATT	CTGAGCTGCA	GTACGTCAGC
E_endophytica	TTCCGTTCCG	TGTTCCCTAT	CCAAAGCTAT	AGCGGTAATT	CTGAGCTGCA	GTACGTCAGC
E_iniecta	TTCCGTTCTG	TTTTTCCAT	TCAGAGCTAC	AGCGGTAATT	CCGAGCTGCA	ATATGTCAGC
E_mallotivora	TTCCGTTCTG	TATTTCCCAT	CCAAAGCTAC	AGCGGTAACAT	CAGAGCTACA	ATATGTTAGC
E_oleae	TTCCGTTCCG	TATTTCCAGT	CCAAAGCTAC	AGCGGTAACAT	CTGAGCTGCA	ATACGTCAGC
E_persicina	TTCCGTTCCG	TATTTCCAAAT	CCAAAGCTAT	AGCGGTAATT	CTGAGCTGCA	GTACGTCAGC
E_phyllosphaerae	TTCCGTTCCG	TGTTCCCTAT	CCAAAGCTAT	AGCGGTAATT	CCGAGCTGCA	GTATGTCAGC
E_piriflorinigrans	TTCCGTTCCG	TGTTCCCTAT	CCAAAGCTAT	AGCGGTAATT	CTGAGCTGCA	GTACGTCAGC
E_psidii	TTCCGTTCCG	TGTTTCCAAAT	CCAAAGCTAC	AGCGGTAATT	CTGAGCTGCA	ATATGTCAGC
E_pyrifoliae	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAATT	CTGAGCTGCA	GTACGTCAGC
E_rhapontici	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAATT	CTGAGCTGCA	GTACGTCAGC
E_tasmaniensis	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAATT	CTGAGCTGCA	GTACGTCAGC
E_tracheiphila	TTCCGTTCCG	TGTTTCCAAAT	TCAAAGCTAC	AGCGGCAATT	CTGAGCTGCA	ATATGTCAGC
E_typographi	TTCCGTTCCG	TATTTCCAT	CCAAAGCTAT	AGCGGTAACAT	CTGAGCTGCA	GTACGTCAGC
P_agglomerans	TTCCGTTCTG	TATTCCCAGT	TGCGAGCTAC	AGCGGCAACT	CTGAGTTGCA	GTATGTCAGC
P_beijingensis	TTCCGTTCTG	TTTTTCCAT	CCAAAGCTAC	AGCGGTAACAT	CCGAGCTGCA	GTACGTCAGC
P_dispersa	TTCCGTTCCG	TGTTCCCAAT	CGCGAGCTAC	AGCGGCAACT	CTGAGTTGCA	GTATGTCAGC
P_eucalypti	TTCCGTTCTG	TATTCCCAGT	TGCGAGCTAC	AGCGGCAACT	CTGAGTTGCA	GTATGTCAGC
E_sorbitola	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAACAT	CTGAGCTGCA	ATACGTCAGC
E_toletana	TTCCGTTCTG	TTTTTCCAT	TCAGAGCTAC	AGCGGTAATT	CCGAGCTGCA	ATATGTCAGC
unknown_DE2	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAACAT	CTGAGCTGCA	GTACGTCAGC
unknown_E602	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAACAT	CTGAGCTGCA	GTACGTCAGC
unknown_Ejp617	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAACAT	CTGAGCTGCA	GTATGTCAGC
unknown_QL-Z3	TTCCGTTCCG	TATTCCCAGT	CCAAAGCTAT	AGCGGTAATT	CTGAACTGCA	GTACGTCAGC

4261

ecoli_K12	TACCGCTTAG	GCGAACCGGT	GTTTGACGTC	CAGGAATGTC	AAATCCGTGG	CGTGACCTAT
C_E_dacicola	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGCC	AGATTCGTGG	CGTCACGTAC
C_E_haradaeae	TATTTCTTAG	GTTGATCTAT	CTTTGATGTT	AAAGAATGTC	AGATTCGTGG	CATTACATTT
E_amylovora	TACCGTTTAG	GCGAGCCGTT	ATTTGATGTT	AAAGAGTGTC	AGATCCGTGG	CGTCACGTTT
E_aphidicola	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTAC
E_billingiae	TACCGTTTAG	GCGAACCGGT	TTTTTGATGT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTAC
E_endophytica	TACCGGCTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGCC	AGATTCGTGG	TGTCACGTAC
E_iniecta	TACCGCTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAATGTC	AGATTCGTGG	CGTGACGTAT
E_mallotivora	TACCGCTTAG	GCGAGCCGTT	CTTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTTT
E_oleae	TATCGCTTAG	GCGAGCCGTT	GTTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTTT
E_persicina	TACCGTTTAG	GCGAACCGGT	CTTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTAT
E_phyllosphaerae	TACCGTTTAG	GCGAACCGGT	TTTTTGATGT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTAT
E_piriflorinigrans	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTTT
E_psidii	TACCGTTTAG	GCGAACCGGT	CTTTGATGTT	AAAGAGTGTC	AGATCCGTGG	CGTCACGTTT
E_pyrifoliae	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTTT
E_rhapontici	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATTCGTGG	TGTCACGTAC
E_tasmaniensis	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATCCGTGG	CGTCACGTTT
E_tracheiphila	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTTT
E_typographi	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTTT
P_agglomerans	TATCGCTTAG	GCGAACCGGT	CTTTGACGTT	AAAGAGTGTC	AGATCCGTGG	CGTGACCTAT
P_beijingensis	TATCGCTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTGACCTAT
P_dispersa	TACCGTTTAG	GCGAACCGGT	GTTTGACGTT	ACAGAATGTC	AGATCCGTGG	CGTGACGTAT
P_eucalypti	TATCGCTTAG	GCGAACCGGT	CTTTGACGTT	AAAGAGTGTC	AGATCCGTGG	CGTGACCTAT
E_sorbitola	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTAC
E_toletana	TACCGCTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAATGTC	AGATTCGTGG	CGTGACGTAT
unknown_DE2	TACCGTTTAG	GCGAACCGGT	CTTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTTT
unknown_E602	TACCGTTTAG	GCGAACCGGT	CTTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTTT
unknown_Ejp617	TACCGTTTAG	GCGAACCGGT	ATTTGATGTT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTTT
unknown_QL-Z3	TACCGTTTAG	GCGAACCGGT	TTTTTGATGT	AAAGAGTGTC	AGATTCGTGG	CGTCACGTAC

4321

ecoli_K12	TCCGCAACCGC	TGCGCGTTAA	ACTGCGTCTG	GTGATCTATG	AGCGCGAAGC	GCCGGAAGGC
C_E_dacicola	TCTGCACCTC	TGCGCGTAAA	ACTGCGCTTG	GTGATTTACG	AGCGCGAAGC	GCCGGAAGGC
C_E_haradaeae	TTTGCTCCTC	TACGCGTAAA	ACTACGTCTA	GTAATATACG	AGAGGGAAGC	ACCAGAAGGA
E_amylovora	TCTGCCCTTC	TGCGCGTTAA	GCTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_aphidicola	TCTGCACCTC	TGCGCGTAAA	ACTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_billingiae	TCTGCACCCC	TGCGCGTAAA	ACTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_endophytica	TCTGCTCCTT	TGCGCGTAAA	ACTGCGTCTG	GTATCTACG	AGCGCGAAGC	GCCAGAAGGT
E_iniecta	TCTGCTCCGC	TGCGTGTAAA	ACTGCGTCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_mallotivora	TCTGCACCTT	TGCGCGTAAA	ACTGCGTCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_oleae	TCTGCGCCTC	TGCGCGTCAA	GCTGCGGTTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_persicina	TCTGCTCCTC	TGCGCGTAAA	ACTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_phyllosphaerae	TCTGCGCCTC	TGCGCGTTAA	GCTGCGTCTG	GTGATCTACG	AGCGTGAAGC	GCCGGAAGGC
E_piriflorinigrans	TCTGCCCTTC	TGCGCGTTAA	GCTGCGCTTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_psidii	TCTGCTCCTT	TGCGCGTAAA	ACTGCGTCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_pyrifoliae	TCTGCCCTTC	TGCGCGTTAA	GCTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_rhapontici	TCTGCAACCTC	TGCGCGTAAA	ACTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_tasmaniensis	TCTGCTCCTC	TGCGCGTTAA	ACTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_tracheiphila	TCTGCTCCTC	TGCGTGTAAA	ATTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_typographi	TCTGCTCCTC	TGCGCGTAAA	ATTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
P_agglomerans	TCCGCAACCGC	TGCGCGTGAA	ACTGCGTCTG	GTGGTCTATG	AGCGCGAAGC	GCCAGAAGGC
P_beijingensis	TCAAGTCCGC	TGCGTGTAAA	ACTGCGTCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
P_dispersa	TCCGCAACCGC	TGCGCGTTAA	ACTGCGTCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
P_eucalypti	TCCGCAACCGC	TGCGCGTGAA	ACTGCGTCTG	GTGGTCTATG	AGCGCGAAGC	GCCAGAAGGC
E_sorbitola	TCTGCCCTTC	TGCGCGTAAA	ACTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
E_toletana	TCTGCTCCGC	TGCGTGTAAA	ACTGCGTCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
unknown_DE2	TCTGCACCCC	TGCGCGTTAA	ACTGCGTCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
unknown_E602	TCTGCACCGC	TGCGCGTTAA	ACTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
unknown_Ejp617	TCTGCTCCTC	TGCGCGTTAA	ACTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC
unknown_QL-Z3	TCTGCACCCC	TGCGCGTAAA	ACTGCGCCTG	GTGATCTACG	AGCGCGAAGC	GCCGGAAGGC

4381

ecoli_K12	ACCGTAAAAAG	ACATTAAAGA	ACAAGAAGTC	TACATGGGCG	AAATTTCCGCT	CATGACAGAC
C_E_dacicola	ACCGTTAAAG	ACATCAAAGA	ACAAGAAGTG	TACATGGGTG	AAATTTCCACT	CATGACAGAT
C_E_haradaeae	ACAGTTAAGG	ACATTAAAGA	ACAAGAAGTA	TATATGGGGG	AAATTTCCCTT	AATGACTGAC
E_amylovora	ACGGTTAAAG	ACATCAAAGA	ACAAGAAGTG	TACATGGGTG	AAATTTCCACT	CATGACCGAT
E_aphidicola	ACCGTTAAAG	ACATCAAAGA	ACAAGAAGTG	TACATGGGTG	AAATTTCCACT	CATGACAGAT
E_billingiae	ACCGTTAAGG	ACATCAAAGA	ACAAGAAGTT	TACATGGGTG	AAATTTCCACT	CATGACCGAT
E_endophytica	ACCGTTAAAG	ACATCAAAGA	ACAAGAAGTT	TACATGGGCG	AAATTTCCGCT	CATGACCGAT
E_iniecta	ACTGTTAAAG	ACATCAAAGA	ACAAGAAGTT	TACATGGGCG	AAATTTCCGCT	CATGACCGAT
E_mallotivora	ACGGTTAAAG	ACATTAAAGA	ACAAGAAGTT	TACATGGGTG	AAATTTCCGCT	CATGACCGAT
E_oleae	ACCGTTAAAG	ATATTAAAGA	ACAAGAAGTT	TACATGGGCG	AAATTTCCGCT	CATGACCGAT
E_persicina	ACCGTTAAAG	ACATCAAAGA	ACAAGAAGTT	TACATGGGCG	AAATTTCCGCT	CATGACCGAT
E_phyllosphaerae	ACCGTTAAAG	ACATCAAAGA	GCAGGAAGTT	TACATGGGCG	AAATTTCCGCT	CATGACCGAT
E_piriflorinigrans	ACGGTTAAAG	ACATCAAAGA	ACAAGAAGTA	TACATGGGTG	AAATTTCCACT	CATGACCGAT
E_psidii	ACGGTTAAAG	ACATCAAAGA	GCAGGAAGTT	TACATGGGCG	AAATTTCCGCT	CATGACCGAT
E_pyrifoliae	ACCGTTAAAG	ACATCAAAGA	ACAAGAAGTA	TACATGGGTG	AAATTTCCACT	CATGACCGAT
E_rhapontici	ACCGTTAAAG	ACATCAAAGA	ACAAGAAGTT	TACATGGGTG	AAATTTCCACT	CATGACCGAT
E_tasmaniensis	ACCGTTAAAG	ACATCAAAGA	ACAAGAAGTG	TACATGGGTG	AAATTTCCACT	CATGACCGAT
E_tracheiphila	ACCGTTAAAG	ACATTAAAGA	ACAAGAAGTC	TACATGGGTG	AAATTTCCACT	TATGACGGAC
E_typographi	ACCGTTAAGG	ACATCAAAGA	GCAAGAAGTT	TACATGGGTG	AAATTTCCACT	CATGACCGAT
P_agglomerans	ACCGTAAAAAG	ACATTAAAGA	ACAAGAAGTC	TACATGGGCG	AAATTTCCGCT	CATGACCGAC
P_beijingensis	ACCGTTAAAG	ACATCAAAGA	ACAAGAAGTT	TACATGGGCG	AAATTTCCGCT	CATGACCGAT
P_dispersa	ACCGTCAAAG	ACATCAAAGA	ACAAGAAGTG	TACATGGGCG	AAATTTCCGCT	CATGACCGAC
P_eucalypti	ACCGTAAAAAG	ACATTAAAGA	ACAAGAAGTC	TACATGGGCG	AAATTTCCGCT	CATGACCGAC
E_sorbitola	ACTGTTAAAG	ACATCAAAGA	ACAAGAAGTT	TACATGGGCG	AAATTTCCGCT	CATGACCGAT
E_toletana	ACTGTTAAAG	ACATCAAAGA	ACAAGAAGTT	TACATGGGCG	AAATTTCCGCT	CATGACCGAT
unknown_DE2	ACCGTTAAGG	ACATCAAAGA	GCAAGAAGTT	TACATGGGTG	AAATTTCCACT	CATGACCGAT
unknown_E602	ACCGTTAAAG	ATATCAAAGA	ACAAGAAGTA	TACATGGGCG	AAATTTCCGCT	CATGACTGAC
unknown_Ejp617	ACCGTTAAAG	ACATCAAAGA	ACAAGAAGTG	TACATGGGTG	AAATTTCCACT	CATGACCGAT
unknown_QL-Z3	ACCGTTAAGG	ACATCAAAGA	ACAAGAAGTT	TACATGGGTG	AAATTTCCACT	CATGACCGAT

4441

ecoli_K12	AACGGTACCT	TTGTTATCAA	CGGTACTGAG	CGTGTATTCG	TTTCCCAGCT	GCACCGTAGT
C_E_dadicola	AACGGTACCT	TTGTCATCAA	CGGTACAGAA	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
C_E_haradaeae	AATGGAACCT	TTATTTATCAA	CGGAACAGAA	CGTGTATTTG	TATCTCAATT	ACATCGCAGT
E_amylovora	AACGGTACCT	TGTCATCAA	CGGTACAGAA	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
E_aphidicola	AACGGTACCT	TTGTCATCAA	CGGTACAGAA	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
E_billingiae	AACGGTACCT	TTGTCATCAA	CGGTACAGAA	AGGGTTATCG	TTTCTCAGCT	GCATCGTAGT
E_endophytica	AACGGTACCT	TTGTTATCAA	TGGTACAGAA	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
E_iniecta	AACGGTACCT	TGTTATCAA	CGGTACAGAA	AGGGTTATCG	TTTCTCAGCT	GCATCGTAGT
E_mallotivora	AACGGTACCT	TTGTCATCAA	TGGTACAGAG	CGTGTATTCG	TTTCTCAGCT	GCATCGTAGT
E_oleae	AACGGTACCT	TTGTSATCAA	CGGTACGGAA	AGGGTTATCG	TTTCTCAGCT	CCATCGTAGT
E_persicina	AACGGTACCT	TTGTTATCAA	CGGTACTGAG	CGCGTTATCG	TTTCTCAGCT	CCACCGTAGT
E_phyllosphaerae	AACGGTACCT	TTGTCATCAA	CGGTACGGAA	AGGGTTATCG	TTTCTCAGCT	GCATCGTAGT
E_piriflorinigrans	AACGGTACCT	TTGTCATCAA	TGGTACAGAA	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
E_psidii	AACGGTACCT	TTGTGATCAA	CGGTACAGAA	CGTGTATTCG	TTTCTCAGCT	GCATCGTAGT
E_pyrifoliae	AACGGTACCT	TTGTCATCAA	TGGTACAGAA	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
E_rhapontici	AACGGTACCT	TTGTSATCAA	CGGTACTGAG	CGTGTATTCG	TTTCTCAGCT	CCACCGTAGT
E_tasmaniensis	AACGGTACCT	TTGTTATCAA	TGGTACAGAG	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
E_tracheiphila	AACGGTACCT	TGTCATCAA	CGGTACAGAA	CGCGTTATCG	TTTCCCAGCT	GCATCGTAGT
E_typographi	AACGGTACCT	TTGTCATCAA	CGGTACAGAA	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
P_agglomerans	AATGGTACCT	TTGTTATCAA	TGGTACCGAG	CGCGTTATCG	TTTCTCAGCT	GCACCGTAGT
P_beijingensis	AACGGTACCT	TTGTTATCAA	CGGTACAGAA	AGGGTTATCG	TTTCTCAGCT	GCATCGTAGT
P_dispersa	AACGGTACCT	TTGTCATCAA	CGGTACTGAG	CGTGTATTCG	TTTCTCAGCT	GCATCGTAGT
P_eucalypti	AACGGTACCT	TTGTTATCAA	TGGTACCGAG	CGCGTTATCG	TTTCTCAGCT	GCACCGTAGT
E_sorbitola	AACGGTACCT	TTGTCATCAA	TGGTACTGAA	CGCGTTATCG	TTTCTCAGCT	CCACCGTAGT
E_toletana	AACGGTACTT	TGTTATCAA	CGGTACAGAA	AGGGTTATCG	TTTCTCAGCT	GCATCGTAGT
unknown_DE2	AACGGTACCT	TTGTGATCAA	CGGTACAGAA	AGGGTTATCG	TTTCTCAGCT	GCATCGTAGT
unknown_E602	AACGGTACCT	TTGTGATCAA	TGGTACCGAG	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
unknown_Ejp617	AACGGTACCT	TTGTCATCAA	CGGTACAGAA	CGCGTTATCG	TTTCTCAGCT	GCATCGTAGT
unknown_QL-Z3	AACGGTACCT	TTGTCATCAA	CGGTACAGAA	AGGGTTATCG	TTTCTCAGCT	GCATCGTAGT

4501

ecoli_K12	CCGGGGTCT	TCTTTGACTC	CGACAAAGGT	AAAACCCACT	CTTCGGGTAA	AGTGCTGTAT
C_E_dadicola	CCTGGTGTCT	TCTTCGATAG	CGATAAGGGT	AAAACCCACT	CATCAGGTAA	AGTGCTCTAT
C_E_haradaeae	CCTGGAGTAT	TCTTTGATAG	TGACAAAGGA	AAAACTCACT	CATCAGGCAA	GGTCTCTAT
E_amylovora	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
E_aphidicola	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CGTCGGGTAA	AGTGCTGTAT
E_billingiae	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTTTAT
E_endophytica	CCTGGCGTTT	TCTTTGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
E_iniecta	CCTGGCGTCT	TCTTTGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
E_mallotivora	CCTGGCGTCT	TCTTTGACAG	CGATAAGGGT	AAAACCCACT	CTTCGGGTAA	AGTGCTGTAT
E_oleae	CCCGGGTAT	TTTTTCGACAG	TGATAAGGGT	AAAAACGCACT	CTTCGGGTAA	AGTGCTGTAT
E_persicina	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CGTCCGGTAA	AGTGCTGTAT
E_phyllosphaerae	CCTGGCGTCT	TTTTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
E_piriflorinigrans	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
E_psidii	CCCGGGTCT	TTTTTCGACAG	CGATAAGGGT	AAAACTCACT	CATCGGGTAA	AGTGCTGTAT
E_pyrifoliae	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTTTAT
E_rhapontici	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
E_tasmaniensis	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
E_tracheiphila	CCCGGTGTTT	TCTTTGATAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
E_typographi	CCTGGCGTTT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTTTAT
P_agglomerans	CCTGGCGTGT	TCTTTGATAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTCTAC
P_beijingensis	CCTGGCGTCT	TCTTTGACAG	CGATAAGGGT	AAAACCCACT	CTTCGGGTAA	AGTGCTGTAT
P_dispersa	CCTGGCGTAT	TCTTTGACAG	CGATAAGGGT	AAAAACGCACT	CTTCGGGTAA	AGTGCTGTAT
P_eucalypti	CCTGGCGTGT	TCTTTGATAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
E_sorbitola	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CGTCCGGTAA	AGTGCTGTAT
E_toletana	CCTGGCGTAT	TCTTTGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTGTAT
unknown_DE2	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTTTAT
unknown_E602	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CGTCGGGTAA	AGTGCTGTAT
unknown_Ejp617	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CTTCGGGTAA	AGTGCTGTAT
unknown_QL-Z3	CCTGGTGTCT	TCTTCGACAG	CGATAAGGGT	AAAACCCACT	CATCGGGTAA	AGTGCTTTAT

4561

ecoli_K12	AACGCGGTA	TCATCCCTTA	CCGTGGTTCA	TGGCTGGACT	TCGAATTCGA	TCCGAAGGAC
C_E_dacicola	AACGCACGTA	TCATCCCTTA	TCGTGGTTCA	TGGCTCGACT	TCGAGTTTGA	CCCGAAAAGAC
C_E_haradaeae	AATGCTAGAA	TTATCCCATTA	TCGTGGCTCA	TGGTTAGACT	TTGAGTTTGA	TCCAAAAGAT
E_amylovora	AACGCACGCA	TCATTCCTTA	TCGCGGCTCA	TGGCTGGACT	TCGAGTTTGA	CCCGAAAAGAC
E_aphidicola	AACGCACGTA	TCATCCCTTA	CCGTGGTTCA	TGGCTCGACT	TCGAGTTTGA	CCCGAAAAGAC
E_billingiae	AACGCACGTA	TCATTCCTTA	CCGTGGTTCA	TGGTTGGACT	TTGAGTTTGA	CCCGAAAAGAC
E_endophytica	AACGCCCCGTA	TCATTCCTTA	CCGTGGTTCC	TGGTTGGACT	TTGAGTTTGA	TCCAAAAGAC
E_iniecta	AACGCACGTA	TTATTCCTTA	CCGTGGTTCA	TGGCTGGACT	TCGAATTCGA	TCCGAAGGAC
E_mallotivora	AACGCACGTA	TTATCCCTTA	CCGTGGTTCC	TGGCTGGACT	TTGAATTCGA	TCCAAAAGAT
E_oleae	AACGCACGTA	TTATCCCTTA	CCGCGGTTCC	TGGCTTGACT	TTGAATTCGA	TCCGAAGGAC
E_persicina	AACGCACGTA	TCATCCCTTA	CCGTGGTTCA	TGGCTGGACT	TCGAGTTTGA	CCCGAAAAGAC
E_phyllosphaerae	AACGCACGTA	TCATCCCTTA	CCGTGGTTCC	TGGTTAGACT	TCGAGTTTGA	CCCGAAAAGAC
E_piriflorinigrans	AACGCACGTA	TCATCCCTTA	CCGTGGTTCA	TGGTTGGACT	TCGAGTTTGA	CCCGAAAAGAC
E_psidii	AACGCACGTA	TCATCCCTTA	CCGTGGTTCC	TGGCTGGACT	TTGAGTTTGA	TCCAAAAGAT
E_pyrifoliae	AACGCACGTA	TCATCCCTTA	CCGTGGTTCA	TGGTTGGACT	TCGAGTTTGA	CCCGAAAAGAC
E_rhapontici	AACGCACGTA	TTATCCCTTA	CCGCGGTTCA	TGGTTGGACT	TCGAGTTTGA	CCCGAAAAGAC
E_tasmaniensis	AACGCACGTA	TCATCCCTTA	CCGTGGTTCA	TGGTTGGACT	TCGAGTTTGA	CCCGAAAAGAC
E_tracheiphila	AACGCACGCA	TTATCCCCTA	CCGTGGTTCC	TGGCTGGACT	TTGAGTTTGA	TCCAAAAGAT
E_typographi	AACGCACGCA	TTATTCCTTA	CCGCGGTTCA	TGGTTGGACT	TTGAGTTTGA	TCCGAAGGAC
P_agglomerans	AACGCACGTA	TCATCCCTTA	CCGCGGTTCA	TGGCTCGACT	TTGAGTTTGA	CCCGAAAAGAT
P_beijingensis	AACGCGGTA	TCATTCCTTA	TCGCGGTTCC	TGGCTGGATT	TCGAGTTTGA	TCCGAAGGAC
P_dispersa	AACGCACGTA	TTATCCCTTA	CCGCGGTTCA	TGGCTCGACT	TCGAGTTTGA	CCCGAAAAGAC
P_eucalypti	AACGCACGTA	TCATCCCTTA	CCGCGGATCA	TGGCTCGACT	TTGAGTTTGA	CCCGAAAAGAT
E_sorbitola	AACGCACGTA	TCATCCCTTA	CCGTGGTTCA	TGGTTGGACT	TTGAGTTTGA	CCCGAAAAGAC
E_toletana	AACGCACGTA	TTATTCCTTA	TCGTGGTTCT	TGGCTGGACT	TCGAGTTTGA	TCCGAAGGAC
unknown_DE2	AACGCACGTA	TTATTCCTTA	CCGTGGTTCA	TGGTTGGACT	TTGAGTTTGA	TCCGAAGGAC
unknown_E602	AACGCACGTA	TCATCCCTTA	CCGCGGTTCA	TGGTTAGACT	TCGAGTTTGA	CCCGAAAAGAT
unknown_Ejp617	AACGCACGTA	TTATCCCTTA	CCGTGGTTCA	TGGTTGGACT	TCGAGTTTGA	CCCGAAAAGAC
unknown_QL-Z3	AACGCACGTA	TCATTCCTTA	CCGTGGTTCC	TGGTTGGACT	TTGAGTTTGA	CCCGAAAAGAC

4621

ecoli_K12	AACCTGTTTG	TACGTATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGCGCG
C_E_dacicola	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCTG	CAACCATCAT	TCTGCGCGCG
C_E_haradaeae	AATTTATTGG	TGCGTATTGA	TCGACGAAGA	AAGCTACCTG	CAACAATTAT	TTTACGTCGA
E_amylovora	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGCGCG
E_aphidicola	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGCGCG
E_billingiae	AACCTGTTTG	TTGGAATTGA	CCGTGCGCGT	AAATTTGCCTG	CGACCATCAT	TCTGCGTTCGA
E_endophytica	AATCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAATTTGCCTG	CGACCATCAT	TCTGCGCGCG
E_iniecta	AACCTGTTTG	TTGGAATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	CCTGCGCGCG
E_mallotivora	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAGCTGCCTG	CGACCATCAT	TCTGCGTTCGA
E_oleae	AACCTGTTTG	TTGGAATTGA	CCGTGCGCGT	AAACTGCCTG	CGTTCGATCAT	TCTGCGTTCGA
E_persicina	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCAG	CGACCATCAT	TCTGCGCGCG
E_phyllosphaerae	AACCTGTTTG	TTGGAATTGA	CCGTGCGCGT	AAGCTGCCTG	CGACCATCAT	TCTGCGCGCG
E_piriflorinigrans	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCAG	CGACCATCAT	TCTGCGTTCGA
E_psidii	AACCTGTTTG	TGCGTATTGA	CCGTGCGCGT	AAGCTGCCTG	CGACCATCAT	TCTGCGCGCG
E_pyrifoliae	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGCGCG
E_rhapontici	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGTTCGA
E_tasmaniensis	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGCGCG
E_tracheiphila	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAGCTGCCTG	CGACCATCAT	CCTGCGCGCG
E_typographi	AACCTGTTTG	TTGGAATTGA	CCGTGCGCGT	AAGCTGCCTG	CGACCATCAT	TCTGCGTTCGA
P_agglomerans	AACCTGTTTG	TCCGTATTGA	CCGTGCGTCT	AAGCTGCCGG	CCACTATCAT	CCTGCGTTCGA
P_beijingensis	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAGCTGCCTG	CGACCATCAT	CCTGCGTTCGA
P_dispersa	AACCTGTTTG	TCCGTATTGA	CCGTGCTCGT	AAGCTGCCGG	CCAGTATCAT	CCTGCGCGCG
P_eucalypti	AACCTGTTTG	TCCGTATTGA	CCGTGCTCGT	AAGCTGCCGG	CCACTATCAT	CCTGCGTTCGA
E_sorbitola	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGCGCG
E_toletana	AACCTGTTTG	TTGGAATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGCGCA
unknown_DE2	AACCTGTTTG	TTGGAATTGA	CCGTGCGCGT	AAATTTGCCTG	CGACCATCAT	TCTGCGTTCGA
unknown_E602	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGCGCG
unknown_Ejp617	AACCTGTTTG	TCCGTATTGA	CCGTGCGCGT	AAACTGCCTG	CGACCATCAT	TCTGCGCGCG
unknown_QL-Z3	AACCTGTTTG	TTGGAATTGA	CCGTGCGCGT	AAATTTGCCTG	CGACCATCAT	TCTGCGTTCGA

4681

ecoli_K12	CTGAACCTACA	CCACAGAGCA	GATCCTCGAC	CTGTTCTTTG	AAAAAGTTAT	CTTTGAAATC
C_E_dacicola	CTGAATTACA	CCACTGAGCA	GATCCTTGAT	CTGTTCTTCG	AAAAAGTGGT	TTATGAAATT
C_E_haradaeae	CTTAATTATA	CAACTGAACA	AATTCCTGGAT	CTA'TTT'TTTG	AAAAAGTTAT	ATATCATATT
E_amylovora	TTGAATTACA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTCG	AAAAAGTGGT	TTACCGATC
E_aphidicola	CTGAATTACA	CCACTGAGCA	GATCCTTGAT	CTGTTCTTCG	AAAAAGTGGT	TTATGAAATT
E_billingiae	CTGAATTACA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTTG	A'AAAAATCGT	GTATGAAATC
E_endophytica	CTGAACCTACA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTTG	AAAAAATCGT	GTATGAAATC
E_iniecta	CTGAGTTACA	CCACTGAACA	GATCCTTGAC	CTGTTCTTCG	AGAAAGTGGT	GTATCAAATC
E_mallotivora	CTGAACCTACA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTTG	AAAAAGTAGT	GTACGAAATC
E_oleae	CTGAACCTACA	CCCTGAGCA	GATCCTTGAC	CTGTTCTTTG	AAAAAGTCGT	GTATGAAATT
E_persicina	TTGAATTACA	CCACTGAACA	GATCCTCGAC	CTGTTCTTCG	ATAAAAGTGGT	TTACCAAATT
E_phyllosphaerae	CTGAACCTACA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTCG	AAAAAGTCGT	GTATGAAATC
E_piriflorinigrans	CTGAGCTATA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTTG	AGAAAGTGGT	TTACCGATC
E_psidii	CTGAACCTACA	CCACTGAGCA	GATCCTTGAT	CTGTTCTTTG	AAAAAATCGT	GTATGAAATC
E_pyrifoliae	CTGAATTACA	CCACTGAGCA	AATCCTCGAT	CTGTTCTTCG	AAAAAGTGGT	TTACCAAATT
E_rhapontici	CTGAATTATA	CTACTCAGCA	GATCCTGGAT	CTGTTCTTCG	AAAAAGTAGT	GTACGAAATT
E_tasmaniensis	TTGAGCTATA	CCACTGAGCA	AATCCTCGAT	CTGTTCTTTG	AAAAAGTAGT	TTATCAAATT
E_tracheiphila	CTGAACCTACA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTTG	A'AAAAATCGT	GTATGAAATT
E_typographi	CTGAACCTACA	CCACTGAACA	GATCCTTGAC	CTGTTCTTTG	AAAAAGTCGT	GTATGAAATC
P_agglomerans	TTGCAGTTCA	CTACACCTCA	GATCCTCGAT	ATC'TTCTTCG	AGAAAGTGGT	GTTTGAAATT
P_beijingensis	TTGAGCTATA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTTG	A'CAAAGTGGT	TTACGAAATT
P_dispersa	CTGGATTACA	CCACTGAGCA	GATTCCTGAT	CTGTTCTTCG	AAAAAGTGGT	GTTTGAAATT
P_eucalypti	TTGCAGTTCA	CTACACCTCA	GATCCTCGAT	ATC'TTCTTCG	AGAAAGTGGT	GTTTGAAATC
E_sorbitola	CTGAATTACA	CCACTGAGCA	GATTCCTTGAC	CTGTTCTTCG	AAAAAGTGGT	TTACGAAATT
E_toletana	CTGAGCTTCA	CCACTGAACA	GATCCTTGAC	CTGTTCTTCG	CTAAAAGTGGT	GTATCAGATC
unknown_DE2	CTGAACCTACA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTTG	AAAAAATCGT	GTACGAAATC
unknown_E602	CTGAACCTACA	CCACTGAACA	GATCCTTGAC	CTGTTCTTCG	ATAAAGTGGT	GTACCGATC
unknown_Ejp617	CTGAATTACA	CCACTGAGCA	AATCCTCGAT	CTGTTCTTCG	AAAAAGTGGT	TTACCAAATT
unknown_QL-Z3	CTGAATTACA	CCACTGAGCA	GATCCTTGAC	CTGTTCTTTG	A'CAAATCGT	GTATGAAATC

4741

ecoli_K12	CGTGATAACA	AGCTGCAGAT	GGAACCTGGTG	CCGGAACGCC	TGCGTGGTGA	AACCGCATCT
C_E_dacicola	CGCGACAACA	AGCTGCAGAT	GGAGCTGGTT	CCAGAGCGCC	TACGTGGTGA	AACCTGCGTCC
C_E_haradaeae	AGAAACAACA	GACTACAAAT	GGAACCTGTT	CCAGGACGAC	TTCGTGGTGA	AACAGCTTCA
E_amylovora	CGCGACAACA	AGCTGCAGAT	GGAGCTGGTG	CCGGAGCGCC	TGCGTGGTGA	AACCTGCGTCA
E_aphidicola	CGCGACAACA	AGCTGCAGAT	GGAGCTGGTT	CCAGAGCGCC	TGCGCGGTGA	AACCTGCGTCC
E_billingiae	CGCGACAACA	AGCTGCAGAT	GGAACCTGTT	CCTGAGCGCC	TGCGTGGAGA	C'ACTGCCTCA
E_endophytica	CGCGACAACA	AGCTGCAGAT	GGAACCTGGTT	CCTGAACGCC	TGCGTGGTGA	GACCGCCTCT
E_iniecta	CGTGACAACA	AGCTGCAGAT	GGAACCTGGTA	CCAGAGCGTC	TGCGTGGCGA	AACCTGCCTCT
E_mallotivora	CGTGACAATA	AGTTGCAGAT	GGAGCTGGTG	CCTGAGCGTC	TGCGTGGTGA	AACGGCGTCC
E_oleae	CGCGACAACA	AGCTCCAGAT	GGAGCTGGTG	CCTGAGCGCC	TGCGTGGTGA	AACCTGCCTCA
E_persicina	CGCGACAACA	AGCTGCAGAT	GGAGCTTATT	CCTGAGCGCC	TGCGTGGTGA	GACCGCTTCA
E_phyllosphaerae	CGCAACAACA	AGCTGCAGAT	GGAACCTGGTG	CCAGAGCGCC	TGCGCGGTGA	AACCTGCCTCC
E_piriflorinigrans	CGCGACAACA	AGCTACAGAT	GGAGCTGGTT	CCGGAGCGTC	TGCGTGGTGA	AACCTGCGTCA
E_psidii	CGCGACAACA	AGCTGCAGAT	GGAACCTGGTT	CCTGAGCGCC	TGCGCGGTGA	AACCGCCTCT
E_pyrifoliae	CGCGACAACA	AGCTGCAGAT	GGAACCTGGTT	CCGGAGCGCC	TGCGTGGTGA	AACCTGCGTCA
E_rhapontici	CGCGACAACA	AGCTGCAGAT	GGAGCTGGTG	CCAGAGCGCC	TGCGTGGTGA	AACCTGCGTCA
E_tasmaniensis	CGCGACAACA	AGCTGCAGAT	GGAGCTGGTG	CCTGAGCGCC	TGCGTGGTGA	AACCTGCGTCA
E_tracheiphila	CGCGACAACA	AGCTGCAGAT	GGAGCTGGTG	CCTGAGCGCC	TGCGTGGTGA	GACCGCCTCT
E_typographi	CGCGACAACA	AGCTGCAAT	GGAGCTTATT	CCAGAGCGCC	TGCGCGGTGA	GACTGCCTCT
P_agglomerans	CGCGACAACA	AGCTGCAGAT	GGAGCTGGTG	CCTGAGCGCC	TGCGCGGTGA	AACCTGCAGCC
P_beijingensis	CGGATAACA	AGCTGCAGAT	GGAGTTGATT	CCTGAGCGCT	TGCGCGGCGA	AACCGCTTCA
P_dispersa	CGCGACAACA	AGCTGCAGAT	GGAACCTGGTG	CCTGAGCGCC	TGCGTGGTGA	AACCGCCTCC
P_eucalypti	CGTGACAACA	AGCTGCAGAT	GGAGCTGGTG	CCTGAGCGCC	TGCGCGGTGA	AACCGCTACC
E_sorbitola	CGGATAACA	AGCTGCAAT	GGAGCTGGTT	CCAGAGCGCC	TGCGTGGTGA	AACCGCGTCA
E_toletana	CGTGACAACA	AGCTGCAGAT	GGAACCTGGTG	CCAGAGCGTC	TGCGTGGCGA	AACCGCGTCC
unknown_DE2	CGCGACAACA	AGCTGCAGAT	GGAACCTGTT	CCTGAGCGCC	TGCGCGGTGA	GACTGCCTCT
unknown_E602	CGTGATAACA	AGCTGCAGAT	GGAGCTGGTG	CCGGAACGCC	TGCGCGGTGA	AACCTGCGTCC
unknown_Ejp617	CGCGACAACA	AACTGCAGAT	GGAACCTGTT	CCGGAGCGCC	TGCGTGGTGA	AACCTGCGTCA
unknown_QL-Z3	CGCGACAACA	AGCTGCAGAT	GGAACCTGTT	CCTGAGCGCC	TGCGTGGAGA	C'ACTGCCTCA

4801

ecoli_K12	TTTGA	CATCG	AAGCT	AACGG	TAAAG	TCTAC	GTAG	AAAAAG	GCCG	CCGTAT	CACT	GCGCGC
C_E_dadicola	TTGAC	ATCG	AGTCA	AAACGG	CAC	TGTTTAC	GTG	AAAAAG	GTG	CTCGCAT	TACT	GCGCGT
C_E_haradaeae	TTTGAT	ATTG	AAGCA	AAATGG	AA	CAATCTAC	GT	TGAGAAAG	GT	CTGTCGCAT	TAC	AGCACGA
E_amylovora	TTGCA	CATCG	AGTC	GAACGG	CACCG	TTTAC	GTG	AAAAAG	GCCG	TCGCAT	TAC	GCGCGC
E_aphidicola	TTGAC	ATCG	AGTC	GAACGG	CAC	TGTTTAC	GTG	AAAAAG	GTG	CTCGCAT	TACT	GCGCGT
E_billingiae	TTGAT	ATCG	AATCC	AACGG	TAC	TATCTAC	GT	TGAGAAAG	GCCG	TCGTAT	TACT	GACG
E_endophytica	TTGAT	ATCG	AATCT	TAACGG	TAC	CGTATAC	GT	TAGAGAAAG	GCCG	TCGCAT	TACT	GACG
E_iniecta	TTGAT	ATTG	AATCG	GAACGG	TAC	GGTTTAC	GT	TGAGAAAG	GCCG	TCGCAT	CAC	GGCACGT
E_mallotivora	TTGAT	ATCG	AAGCT	TAACGG	TA	ATGTTTAC	GT	AAAAAG	GGC	GCCGCAT	TAC	GGCCCCG
E_oleae	TTTGAT	ATCG	AAGCC	AAACGG	CAC	GGTATAC	GT	TGAGAAAG	GCCG	CCCGCAT	TAC	CGCACGT
E_persicina	TTTGAT	ATTG	AAGCG	GAACGG	CAC	CGTTTAC	GTG	AAAAAG	GCCG	CCGTAT	TACT	GCGCGC
E_phyllosphaerae	TTGAT	ATCG	AAGCC	AACGG	TAC	GACCTAC	GT	TGAGAAAG	GCCG	TCGCAT	TACT	GACG
E_piriflorinigrans	TTGCA	CATTG	AGTC	GAACGG	CAC	CGTTTAC	GTG	AAAAAG	GTG	CTCGCAT	TAC	GCGCGT
E_psidii	TTGAT	ATCG	AATCC	AACGG	AA	CGGTATAT	GT	TAGAGAAAG	GCCG	TCGTAT	TACT	GACG
E_pyrifoliae	TTTGA	CATTG	AGTC	GAACGG	CAC	CGTTTAC	GTG	AAAAAG	GTG	CTCGTAT	TAC	GCGCGT
E_rhapontici	TTGAT	ATTG	AATCG	GAACGG	CAC	CGTTTAC	GTG	AAAAAG	GTG	CCCGCAT	TACT	GCGCGC
E_tasmaniensis	TTGAT	CATTG	AGTC	GAACGG	CAC	CGTTTAC	GTG	AAAAAG	GTG	CCCGCAT	TAC	CGCGCGC
E_tracheiphila	TTTGAT	ATCG	AGTCC	AATGG	AA	CGGTATAC	GT	TAGAAAAAG	GCCG	TCGCAT	TACT	GACG
E_typographi	TTGAT	ATCG	AATCC	AACGG	AA	CGGTATAC	GT	TGAGAAAG	GCCG	TCGCAT	CACT	GACG
P_agglomerans	TTGAT	ATCG	AAGCG	GAACGG	CAC	CGTCTAC	GTG	AAAAAG	CAC	GCCGTAT	TACT	GCGCGC
P_beijingensis	TTGCA	CATTG	AGTC	GAATGG	CAC	CGTTTAT	GT	TAAAAAG	GTG	CTCGCAT	CACT	GCGCGC
P_dispersa	TTGAT	ATCG	AAGCC	AAACGG	CAC	GGTCTAC	GT	TGAGAAAG	GTG	CTCGCAT	CACT	GCGCGC
P_eucalypti	TTGAT	ATCG	AAGCG	GAACGG	CAC	CGTCTAC	GTG	AAAAAG	CAC	GCCGTAT	TACT	GCGCGC
E_sorbitola	TTGAT	ATCG	AATCG	GAACGG	CAC	TGTTTAC	GTG	AAAAAG	GTG	CCCGTAT	TACT	GCGCGC
E_toletana	TTGAT	ATTG	AATCG	GAACGG	TAC	GGTATAC	GT	TGAGAAAG	GCCG	TCGCAT	CACT	GACG
unknown_DE2	TTGAT	ATCG	AATCC	AACGG	AA	CTGTTTAC	GT	TGAGAAAG	GCCG	TCGTAT	TACT	GACG
unknown_E602	TTGAT	ATCG	AAGCG	GAACGG	CAC	CGTTTAC	GTG	AAAAAG	GTG	CTCGCAT	TACT	GCGCGT
unknown_Ejp617	TTTGA	CATTG	AGTC	GAATGG	CAC	CGTTTAC	GTG	AAAAAG	GTG	CCCGCAT	TAC	CGCGCGC
unknown_QL-Z3	TTGAT	ATCG	AATCC	AACGG	TAC	TATCTAC	GT	TGAGAAAG	GCCG	TCGTAT	TACT	GACG

4861

ecoli_K12	CACAT	TCGCC	AGCT	GGAAAA	AGAC	GACGTC	AAAC	TGATCG	AAGT	CCCCGT	TGAG	TACATC
C_E_dadicola	CATAT	TCGTC	AGCT	GGAAAA	AGAT	AACATC	CAG	CACATCG	AAGT	TCCGGT	TGA	TACATC
C_E_haradaeae	CATAT	TAGAC	AA	TTAGAAAA	AGAC	GCCATC	TCT	TACATCA	CAG	TACCCAT	GGAG	TATATT
E_amylovora	CATAT	TCGTC	AGCT	GGAAAA	AGAC	GCTGTT	GCT	CATATCG	AAGT	TCCGGT	TGAG	TACATT
E_aphidicola	CATAT	TCGTC	AGCT	GGAAAA	AGAT	AACATC	CAG	CACATCG	AAGT	TCCGGT	TGA	TACATC
E_billingiae	CATAT	CCGTC	AGCT	GGAAAA	AGAT	GGCATT	GAG	CACATCG	AAGT	TCCGT	TGA	TACATC
E_endophytica	CATAT	TCGTC	AACT	GGAAAA	AGAT	GGTGT	GA	CACATCG	AGG	TCCGGT	TGA	TACATC
E_iniecta	CATAT	CCGTC	AGCT	GGAAAA	AGAT	AGCGTT	GCG	CATATCG	AAGT	CCCCGT	TGAG	TACATT
E_mallotivora	CACAT	TCGTC	AGCT	GGAAAA	AGAT	GGCGTT	GAG	CACATCG	AAGT	TCCGGT	TGA	TACATT
E_oleae	CATAT	TCGCC	AGT	TGGAAAA	AGAT	GCGTT	GCG	CATATCG	AAGT	TCCGGT	TGA	TACATT
E_persicina	CATAT	TCGCC	AGCT	TGAGAA	AGAT	GCGTT	GCCC	CATCG	AAGT	GCCGGT	TGAG	TACATT
E_phyllosphaerae	CATAT	TCGTC	AGCT	TGAAAA	AGAT	GGCGTT	GAG	CACATCG	AAGT	TCCGGT	TGA	TACATC
E_piriflorinigrans	CATAT	TCGCC	AGCT	GGAAAA	AGAT	GCTGTT	GCT	CATATCG	AAGT	TCCGGT	TGAG	TACATC
E_psidii	CACAT	TCGTC	AGCT	GGAAAA	AGAT	GGCGTT	GAG	CACATCG	AAGT	TCCGGT	TGA	TACATC
E_pyrifoliae	CATAT	TCGCC	AGCT	GGAAAA	AGAT	GCTGTT	GCT	CATATCG	AAGT	TCCGGT	TGAG	TACATC
E_rhapontici	CATAT	TCGCC	AGCT	TGAGAA	AGAT	GCCATT	GC	CACATCG	AAGT	TCCGGT	TGAG	TACATT
E_tasmaniensis	CACAT	TCGTC	AGCT	GGAAAA	AGAC	GCTGTT	GCT	CATATCG	AAGT	TCCGGT	TGAG	TACATC
E_tracheiphila	CACAT	TCGTC	AGCT	GGAAAA	AGAT	GGTGT	GAG	CACATCG	AAGT	TCCGGT	TGA	TACATC
E_typographi	CATAT	CCGTC	AGCT	TGAAAA	AGAT	GGCGTT	GA	CACATTG	AAGT	TCCCGT	TGA	TACATT
P_agglomerans	CATAT	CCGTC	AGCT	GGAAAA	AGAT	GGCATT	CAG	CACATCG	AAGT	TCCGGT	TGA	TATATC
P_beijingensis	CATAT	TCGCC	AGCT	GGAAAA	AGAC	AGTATC	CAG	CATATTG	AAGT	TCCGGT	TGA	TACATT
P_dispersa	CACAT	CCGTC	AGCT	GGAAAA	AGAC	AACATT	CAG	CACATCG	AAGT	TCCGGT	CGAG	TACATC
P_eucalypti	CATAT	CCGTC	AGCT	GGAAAA	AGAT	GGCATT	CAG	CACATCG	AAGT	TCCGGT	TGA	TATATC
E_sorbitola	CATAT	TCGTC	AGCT	TGAGAA	AGAT	GCCATT	GCCC	CACATCG	AAGT	TCCGGT	CGAG	TACATT
E_toletana	CATAT	CCGTC	AGCT	GGAAAA	AGAT	AGCGTT	GCG	CATATCG	AAGT	TCCGGT	TGAG	TACATC
unknown_DE2	CATAT	TCGTC	AGCT	GGAAAA	AGAT	GGCGTT	GAG	CACATCG	AAGT	TCCGT	TGA	TACATC
unknown_E602	CATAT	TCGCC	AGCT	GGAAAA	AGAT	GACGTT	CA	CACATCG	AAGT	TCCGGT	TGA	TACATC
unknown_Ejp617	CATAT	TCGTC	AGCT	GGAAAA	AGAT	GCTGTT	GCT	CATATCG	AAGT	TCCGGT	TGAG	TACATC
unknown_QL-Z3	CATAT	CCGTC	AGCT	GGAAAA	AGAT	GGCATT	GAG	CACATCG	AAGT	TCCGT	TGA	TACATC

4921

ecoli_K12	GCAAGGTAAAG	TGGTTGCTAA	AGACTATAT	GATGAGTCTA	CCGGCGAGCT	GATCTGCGCA
C_E_dadicola	GCGGGTAAAAG	TGGTTCGCTAA	AGATTACATC	GACGAAAAGCA	CCGGCGAGAT	GCTGATCAGC
C_E_haradaeae	GCTGGGAAAAG	TAGCCGCAAA	AGACTATAT	GATCATGATA	CTGGAGAGCT	CTTTATCGAA
E_amylovora	GCGGGTAAAAG	TGGTTCGCTAA	AGACTATATC	GACGAGAGCA	CCGGTGAAC	GCTGATTGCA
E_aphidicola	GCGGGTAAAAG	TGGTTCGCTAA	AGATTACATC	GACGAAAAGCA	CCGGCGAGCT	GCTGATCGCG
E_billingiae	GCCGGCAAAAG	TGGTTGCTAA	AGACTATGTT	GACGAGAGCA	CCGGTGAGCT	GATCGTTGCT
E_endophytica	GCAAGGTAAAG	TGGTTCGCTAA	AGATTATATC	GACGAAAAGCA	CCGGCGAAGT	GATTGTTGCA
E_iniecta	GCGGGTAAAAG	TGGTCTCTAA	AGACTACATT	GACGAAAACA	CCGGTGAGCT	GATTGTTGCT
E_mallotivora	GCGGGTAAAAG	TGGTTCGCTAA	AGATTATATC	GACGAAAACA	CCGGCGAATT	GATCGTTGCC
E_oleae	GCGGGCAAAAG	TGGTTGGTAA	AGATTATATC	GACGAAAAGCA	CCGGCGAAGT	GATCATCGGC
E_persicina	GCCGGTAAAAG	TAGTTGCTAA	AGACTACGTT	GATGAGAGCA	CCGGTGAAC	GCTGATCGCA
E_phyllosphaerae	GCAAGGTAAAG	TGGTTCGCTAA	AGATTACATC	GACGAAAAGCA	CCGGCGAAGT	GATCGTTGCC
E_piriflorinigrans	GCAAGGTAAAG	TTGTTGCTAA	AGACTATATC	GACGAGAGCA	CCGGTGAGCT	GCTGATTGCT
E_psidii	GCCGGTAAAAG	TGGTTCGCTAA	AGATTACATC	GACGAAAACA	CCGGCGAGCT	GATCGTTGCA
E_pyrifoliae	GCAAGGTAAAG	TTGTTGCTAA	AGACTATATC	GACGAGAGCA	CCGGTGAGCT	GCTGATTGCA
E_rhapontici	GCCGGTAAAAG	TGGTTCGCTAA	AGACTACATC	GATGAGAGCA	CTGGTGAAC	GCTGATCGCG
E_tasmaniensis	GCGGGCAAAAG	TTGTTGCCAA	AGACTACATC	GACGAGAGCA	CCGGTGAGCT	GCTGATTGCT
E_tracheiphila	GCGGGTAAAAG	TGGTTCGCTAA	AGACTACATC	GACGAAAATA	CCGGCGAGCT	GATCGTTGCC
E_typographi	GCCGGCAAGG	TAGTAGGTAA	AGACTACATT	GACGAAAAGCA	CCGGTGAGCT	GATCGTTGCG
P_agglomerans	GCGGGTAAAAG	TGGTTCGCTAA	AGACTACATC	GATGAGAGCA	CCGGTGAGCT	GATCATTGCA
P_beijingensis	GCCGGTAAAAG	TTGTTGGCTAA	AGACTACATT	GACGAAAACA	CCGGTGAGCT	GATCGTAGCG
P_dispersa	GCGGGCAAAAG	TGGTTCGCTAA	AGATTACATC	GATCTGAACA	CCGGTGAGCT	GATCGTACCG
P_eucalypti	GCGGGCAAAAG	TGGTTCGCTAA	AGACTACATC	GATGAGAGCA	CCGGTGAGCT	GATCATTGCA
E_sorbitola	GCCGGTAAAAG	TTGTTGCTAA	AGACTACGTC	GATGAGAGCA	CTGGTGAAC	GCTGATCGCT
E_toletana	GCGGGTAAAAG	TGGTCTCTAA	AGACTACATT	GACGAAAATA	CCGGTGAGCT	GATTATTGCT
unknown_DE2	GCCGGCAAGG	TAGTAGGTAA	AGACTACATT	GACGAGAGCA	CCGGTGAAC	GATTGTTGCC
unknown_E602	GCGGGCAAAAG	TGGTTGCTAA	AGATTACATC	GACGAAAAGCA	CCGGTGAGCT	GCTGGTTGCC
unknown_Ejp617	GCGGGCAAAAG	TTGTTGCTAA	AGACTACATC	GACGAGAGCA	CCGGTGAGCT	GCTGATCGCG
unknown_QL-Z3	GCCGGCAAAAG	TGGTTGCTAA	AGACTATGTT	GACGAGAGCA	CCGGTGAGCT	GATCGTTGCT

4981

ecoli_K12	GCGAACATGG	AGCTGAGCCT	GGATCTGCTG	GCTAAGCTGA	GCCAGTCTGG	TCACAAGCGT
C_E_dadicola	GCGAACATGG	AGCTATCGCT	GGATCTGCTG	GCTGAATTGA	GCCAGTCCGG	TCACAAGCGC
C_E_haradaeae	GCTAATATGG	AGCTATCAGT	AGATCTAATA	AATAGATTAA	TCCAGTCTAA	CCATACACAA
E_amylovora	GCCAACATGG	AGCTGTCGTT	GGATCTGCTG	GCCAAACTGA	GCCAGTCCGG	TCACAAGCGT
E_aphidicola	GCGAACATGG	AGCTGTCGCT	GGATCTGCTG	GCTAAACTGA	GCCAGTCCGG	TCACAAGCGC
E_billingiae	GCCAACATGG	AGCTGTCGCT	GGATCTGCTG	GCTAAGCTGA	GCCAGTCTGG	TCACAAGCGC
E_endophytica	GCTAACATGG	AGCTGTCGCT	GGATCTGCTG	GCTAAGCTGA	GCCAGGCTGG	TCATAAGCGC
E_iniecta	GCCAACATGG	AGCTGTCGCT	GGATCTGCTG	GCGAAACTGA	GCCAGTCTGG	TCACAAGCGT
E_mallotivora	GCGAACATGG	AACTGTCGCT	GGATCTGTTG	GCTAAACTGA	GCCAGTCCGG	TCATAAGCGT
E_oleae	GCGAACATGG	AACTGTCGCT	GGATCTGCTG	GCTAAACTGA	GCCAGGCGGG	TCACAAGCGT
E_persicina	GCGAACATGG	AACTGTCACT	GGATCTGCTG	GCTAAACTCA	GCCAGTCCGG	TCACAAGCGC
E_phyllosphaerae	GCGAACATGG	AGCTGTCGCT	GGATCTGCTG	GCCAAACTGA	GCCAGTCCGG	CCACAAGCGC
E_piriflorinigrans	GCAAACATGG	AGCTGTCGCT	GGATCTGCTG	GCCAAACTAA	GCCAGTCAGG	CCATAAGCGC
E_psidii	GCGAACATGG	AGCTGTCGCT	GGATCTGCTG	GCTAAACTGA	GCCAGTCCGG	CCACAAGCGC
E_pyrifoliae	GCAAACATGG	AGCTGTCGCT	GGATCTGCTG	GCCAAACTGA	GCCAGTCAGG	CCACAAGCGC
E_rhapontici	GCGAACATGG	AGTTGTCACT	GGATCTGCTG	GCGAAACTGA	GCCAGTCCGG	TCACAAGCGC
E_tasmaniensis	GCCAACATGG	AGCTGTCGTT	AGATTTACTG	GCCAAGCTGA	GCCAGTCAGG	TCACAAGCGT
E_tracheiphila	GCTAACATGG	ATCTGTCGCT	GGACCTGCTG	GCGAAACTCA	GCCAGTCCGG	CCACAAGCGT
E_typographi	GCGAACATGG	AACTGTCGAT	GGACCTGCTG	GCGAAACTTA	GCCAGTCCGG	CCACAAGCGC
P_agglomerans	GCGAACATGG	AACTGTCACT	GGATCTGCTG	GCCAAACTGA	GCCAGTCCGG	TCACAAGCGC
P_beijingensis	GCTAACATGG	AGCTGTCGCT	GGACCTGTTG	GCAAAACTGA	GCCAGTCTGG	TCACAAGCGC
P_dispersa	GCGAACATGG	AGCTGTCACT	GGATCTGCTG	GCGAAACTGA	GCCAGTCCGG	TCACAAGCGC
P_eucalypti	GCGAACATGG	AACTGTCACT	GGATCTGCTG	GCTAAACTGA	GCCAGTCCGG	TCACAAGCGC
E_sorbitola	GCGAACATGG	AGCTGTCACT	GGATCTGTTG	GCTAAATTGA	GCCAATCCGG	TCACAAGCGC
E_toletana	GCCAACATGG	AGCTGTCGCT	GGATCTGCTG	GCGAAACTGA	GCCAGTCTGG	TCACAAGCGT
unknown_DE2	GCGAACATGG	AGCTGTCGCT	GGATCTGCTG	GCTAAACTGA	GCCAGGCGGG	TCACAAGCGC
unknown_E602	GCGAACATGG	AGCTGTCGCT	GGATCTGCTG	GCTAAACTGA	GCCAGTCCGG	TCACAAGCGC
unknown_Ejp617	GCCAACATGG	AGCTGTCGTT	GGATCTGCTG	GCCAAACTGA	GCCAGTCCGG	TCACAAACGT
unknown_QL-Z3	GCCAACATGG	AGCTGTCGCT	GGATCTGCTG	GCTAAGCTGA	GCCAGTCTGG	TCACAAGCGC

5041

ecoli_K12	ATCGAAACGC	TGTTCAACAA	CGATCTGGAT	CACGGCCCAT	ATATCTCTGA	AACCTTACGT
C_E_dadicola	ATTGAAACTC	TGTTCAACAA	CGATCTGGAT	CACGGCACCT	ACATGTCTGA	GACTGTACGT
C_E_haradaeae	CTCGAAACAT	TATTCACATA	TGATTTAGAT	CATGGCCCAT	ATATCTCCGA	AGTCATACGC
E_amylovora	ATCGAAACGC	TGTTCACTAA	CGATCTGGAT	CACGGCCCGT	ACATCTCTGA	AACCGTACGC
E_aphidicola	ATTGAAACTC	TGTTCAACAA	CGATCTGGAT	CACGGCGCCT	ACATGTCTGA	GACTGTACGC
E_billingiae	ATCGAAACGC	TGTTCAACAA	CGACCTGGAT	CACGGTGCCT	ACATTTCCGA	AACCGTCCGC
E_endophytica	ATCGAAACGC	TGTTTACTAA	CGATCTGGAT	CACGGCTCAT	ACATTTCTGA	AACCGTGCCT
E_iniecta	ATTGAAACGC	TGTTTACCAA	CGATCTGGAT	CACGGCGCTT	ACATGTCCGA	GACCTTACGT
E_mallotivora	GTTGAGACGC	TGTTTACCAA	CGATCTCGAT	CACGGTCCGT	ACATGTCCGA	AACCGTACGC
E_oleae	ATAGAAACGC	TGTTCAACAA	CGATCTGGAT	CACGGCCCAT	ACATCTCTGA	AACCTTACGC
E_persicina	ATTGAAACCC	TGTTCAACAA	CGATCTGGAT	CACGGTGCCT	ACATGTCTGA	GACGGTACGT
E_phyllosphaerae	ATTGAAACGC	TGTTTACCAA	CGATCTGGAT	CACGGCCCGT	ACATCTCTGA	GACCGTACGC
E_piriflorinigrans	ATCGAAACGC	TGTTCAACAA	TGACCTGGAT	CACGGCCCGT	ACATCTCTGA	GACCGTACGC
E_psidii	ATTGAAACGC	TGTTCACTAA	CGATCTGGAT	CACGGCTCGT	ACATGTCCGA	AACCGTACGT
E_pyrifoliae	ATCGAAACGC	TGTTCAACAA	TGACCTGGAT	CACGGCCCGT	ACATCTCTGA	AACCGTACGC
E_rhapontici	ATCGAAACAT	TGTTCAACAA	CGACCTGGAT	CACGGTGCCT	ACATGTCTGA	GACTGTACGT
E_tasmaniensis	ATCGAAACGC	TGTTCAACAA	TGACCTCGAT	CACGGCCCGT	ACATCTCTGA	AACCGTACGC
E_tracheiphila	ATTGAAACGC	TGTTCAACAA	CGATCTGGAC	CACGGTCCGT	ATATTTCTGA	AACCGTTCGC
E_typographi	ATCGAAACGC	TGTTCAACAA	CGACCTGGAT	CACGGTGCCT	ATATCTCCGA	AACCGTCCGC
P_agglomerans	ATCGAAACGC	TGTTCAACAA	CGATCTGGAC	CACGGTCCAT	ATATGTCCGA	GACCGTGCCT
P_beijingensis	ATTGAAACGC	TGTTCAACAA	TGACCTGGAT	CACGGCGCTT	ACATGTCCGA	GACCGTGCCT
P_dispersa	ATTGAAACCC	TGTTCAACAA	CGACCTGGAT	CACGGCCCGT	ACATTTCTGA	GACCGTGCCT
P_eucalypti	ATCGAAACGC	TGTTCAACAA	TGATCTGGAC	CACGGTCCCT	ATATCTCCGA	GACCGTGCCT
E_sorbitola	ATTGAAACAT	TGTTCAACAA	CGATTTGGAT	CACGGTCCGT	ACATGTCTGA	GACTGTACGT
E_toletana	ATTGAAACGC	TGTTTACCAA	CGATCTGGAT	CACGGCGCTT	ACATGTCCGA	GACCTTACGT
unknown_DE2	ATTGAAACCC	TGTTCAACAA	CGATCTGGAT	CACGGTGCCT	ATATCTCTGA	AACCGTACGC
unknown_E602	ATCGAAACGC	TGTTCAACAA	TGACCTGGAC	CACGGTTCGT	ACATGTCCGA	AACCGTGCCT
unknown_Ejp617	ATCGAAACGC	TGTTCAACAA	TGACCTGGAT	CACGGCCCGT	ACATTTCTGA	AACCGTACGC
unknown_QL-Z3	ATCGAAACGC	TGTTCAACAA	CGACCTGGAT	CACGGTGCCT	ACATTTCCGA	AACCGTCCGC

5101

ecoli_K12	GTCGACCCAA	CTAACGACCG	TCTGAGCGCA	CTGGTTGAAA	TCTACCGCAT	GATGCGCCCT
C_E_dadicola	GTCGACCCAA	CCAGCGATCG	CATGAGCGCG	CTGGTTGAGA	TCTACCGTAT	GATGCGTCCT
C_E_haradaeae	ATTGATCCTA	CAACAGATCG	CCTTAGTGCT	CTTGTGAGA	TTTATCGCAT	GATGAGACCA
E_amylovora	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCG	CTGGTTGAGA	TCTACCGCAT	GATGCGCCCT
E_aphidicola	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCG	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
E_billingiae	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCA	CTGGTTGAGA	TCTACCGCAT	GATGCGCCCT
E_endophytica	GTCGACCCAA	CCAGTGATCG	CCTGAGCGCG	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
E_iniecta	GTTGACCCAA	CCAATGACCG	CCTGAGCGCG	CTGGTTGAGA	TCTACCGTAT	GATGCGTCCT
E_mallotivora	GTCGACCCAA	CCACCGATCG	TCTGAGCGCG	CTGGTTGAGA	TCTACCGCAT	GATGCGCCCT
E_oleae	GTCGATCCGA	CTACCGATCG	TCTGAGCGCG	CTGGTTGAGA	TCTATCGCAT	GATGCGCCCT
E_persicina	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCT	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
E_phyllosphaerae	GTCGACCCAA	CCACCGATCG	CCTGAGCGCG	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
E_piriflorinigrans	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCA	CTGGTTGAGA	TCTATCGCAT	GATGCGTCCT
E_psidii	GTCGATCCAA	CCAACGACCG	CCTGAGCGCG	CTGGTTGAGA	TCTATCGCAT	GATGCGCCCT
E_pyrifoliae	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCA	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
E_rhapontici	GTCGACCCAA	CCAGCGATCG	CCTTAGCGCT	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
E_tasmaniensis	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCA	CTGGTTGAAA	TCTACCGCAT	GATGCGCCCT
E_tracheiphila	GTCGATCCAA	CCAGTGACCG	CCTGAGCGCG	CTGGTTGAGA	TCTACCGCAT	GATGCGCCCT
E_typographi	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCC	CTGGTTGAGA	TCTACCGCAT	GATGCGCCCT
P_agglomerans	GTCGACCCAA	CCAGCGATCG	TCTGAGCGCA	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
P_beijingensis	GTTGACCCAA	CCAGCGATCG	TCTTAGCGCG	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
P_dispersa	GTTGACCCAA	CCAACGATCG	CCTGAGCGCG	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
P_eucalypti	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCA	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
E_sorbitola	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCA	CTGGTTGAGA	TCTATCGCAT	GATGCGTCCT
E_toletana	GTTGACCCAA	CCAGCGATCG	CCTGAGCGCG	CTGGTTGAGA	TCTACCGTAT	GATGCGTCCT
unknown_DE2	GTCGATCCAA	CCAGCGATCG	CCTGAGCGCG	CTGGTTGAGA	TCTATCGCAT	GATGCGTCCT
unknown_E602	GTCGACCCAA	CCAACGATCG	CCTGAGCGCG	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
unknown_Ejp617	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCA	CTGGTTGAGA	TCTACCGCAT	GATGCGTCCT
unknown_QL-Z3	GTCGACCCAA	CCAGCGATCG	CCTGAGCGCA	CTGGTTGAGA	TCTACCGCAT	GATGCGCCCT

5161

ecoli_K12	GGCGAGCCGC	CGACTCGTGA	AGCAGCTGAA	AGCCTGTTGG	AGAACCTGTT	CTTCTCCGAA
C_E_dadicola	GGTGAGCCAC	CGACGCGTGA	AGCGGCAGAA	AATCTGTTGG	AGAACCTGTT	TTTTTCTGAA
C_E_haradaeae	GGTGAACCAC	CGACTCGCGA	GGCGGCTGAA	AATCTATTGG	AAAACTCTTT	CTTTTCTGAA
E_amylovora	GGTGAGCCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCCGAA
E_aphidicola	GGTGAGCCAC	CAACGCGTGA	AGCGGCAGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_billingiae	GGTGAACCAC	CAACGCGCGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_endophytica	GGTGAACCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_iniecta	GGCGAGCCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_mallotivora	GGCGAACCAC	CAACGCGCGA	AGCGGCAGAA	AACCTGTTGG	AAAACTGTT	CTTCTCTGAA
E_oleae	GGCGAACCAC	CAACGCGCGA	AGCGGCTGAA	AACCTGTTGG	AAAACTGTT	CTTCTCCGAA
E_persicina	GGTGAGCCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_phyllosphaerae	GGCGAACCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_piriflorinigrans	GGTGAACCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_psidii	GGCGAACCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_pyrifoliae	GGTGAACCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_rhapontici	GGTGAGCCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_tasmaniensis	GGTGAACCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_tracheiphila	GGCGAACCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AAAACTGTT	CTTCTCTGAA
E_typographi	GGTGAGCCAC	CAACGCGCGA	AGCGGCTGAA	AACCTGTTGG	AAAACTGTT	CTTCTCCGAA
P_agglomerans	GGTGAGCCGC	CAACACGCGA	AGCAGCAGAG	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
P_beijingensis	GGTGAGCCAC	CAACGCGTGA	AGCGGCTGAG	AACCTGTTGG	AGAACCTGTT	CTTCTCCGAA
P_dispersa	GGCGAGCCGC	CAACGCGTGA	AGCGGCAGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
P_eucalypti	GGTGAGCCGC	CAACACGCGA	AGCAGCAGAG	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_sorbitola	GGTGAACCAC	CAACGCGTGA	AGCGGCTGAA	AATCTGTTGG	AGAACCTGTT	CTTCTCTGAA
E_toletana	GGCGAGCCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCAGAA
unknown_DE2	GGTGAGCCAC	CAACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
unknown_E602	GGTGAGCCAC	CGACGCGTGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCAGAA
unknown_Ejp617	GGTGAGCCAC	CAACGCGTGA	AGCGGCAGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA
unknown_QL-Z3	GGTGAACCAC	CAACGCGCGA	AGCGGCTGAA	AACCTGTTGG	AGAACCTGTT	CTTCTCTGAA

5221

ecoli_K12	GACCGTTATG	ACTGTCTGCG	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGCGAA
C_E_dadicola	GACCGGTACG	ATCTGTACGC	AGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTTCGTGAC
C_E_haradaeae	GAAAGCTATG	ACCTTTCTGC	AGTTGGTCGT	ATGAAATTTA	ATCGTTCAAT	ACAACGAAAT
E_amylovora	GACCGGTACG	ATCTGTCTGC	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_aphidicola	GACCGGTACG	ATCTGTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_billingiae	GACCGGTACG	ATCTGTCTGC	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_endophytica	GACCGGTACG	ATCTGTCTGC	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_iniecta	GATCGTTATG	ACCTTTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAT
E_mallotivora	GACCGGTACG	ATCTGTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAT
E_oleae	GACCGGTACG	ACCTGTCTGC	GGTAGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAT
E_persicina	GACCGGTACG	ATCTGTCTGC	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGCGAC
E_phyllosphaerae	GACCGGTACG	ATCTTTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_piriflorinigrans	GACCGGTACG	ATCTGTCTGC	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_psidii	GACCGGTACG	ATCTTTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCAAT	GCTGCGCGAT
E_pyrifoliae	GACCGGTACG	ATCTGTCTGC	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_rhapontici	GACCGGTACG	ATTTGTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_tasmaniensis	GACCGGTACG	ATCTGTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_tracheiphila	GACCGGTACG	ATCTGTCTGC	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCCCT	GCTGCGCGAC
E_typographi	GACCGGTACG	ATCTTTCCGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
P_agglomerans	GATCGTTACG	ATCTTTCTGC	TGTTGGTCGT	ATGAAGTTCA	ACCGTTCAAT	GCTGCGTGAT
P_beijingensis	GATCGTTACG	ATCTTTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCAAT	GCTGCGTGAT
P_dispersa	GATCGTTACG	ATCTGTCTGC	CGTTGGCCGT	ATGAAGTTTA	ACCGTTCTCT	GCTGCGTGAC
P_eucalypti	GATCGTTACG	ATCTGTCTGC	TGTTGGTCGT	ATGAAGTTCA	ACCGTTCAAT	ACTGCGTGAT
E_sorbitola	GATCGTTACG	ACCTGTCTGC	TGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
E_toletana	GATCGTTATG	ACCTTTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
unknown_DE2	GACCGGTACG	ATCTGTCTGC	GGTTGGCCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC
unknown_E602	GACCGGTACG	ACCTGTCTGC	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAT
unknown_Ejp617	GACCGTTACG	ACCTGTCTGC	GGTAGGTCGT	ATGAAGTTTA	ACCGTTCTCT	GCTGCGTGAC
unknown_QL-Z3	GACCGGTACG	ATCTGTCTGC	GGTTGGTCGT	ATGAAGTTCA	ACCGTTCTCT	GCTGCGTGAC

5281

ecoli_K12	GAAATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTGATGTTAT	GAAAAAGCTC
C_E_dacicola	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
C_E_haradaeae	GAAATTACAG	GTTCTGGTAT	ATTAAAGTAAA	GACGACATTA	TTCAAGTTCAT	GAAAAAACTT
E_amylovora	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
E_aphidicola	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
E_billingiae	GAGATCGAAG	GTTCCGGTAT	TCTGAGCAAA	GACGACATCA	TCCAGGTGAT	GCGTAAACTG
E_endophytica	GAGATTGAAG	GTTCCGGCAT	TCTGAGCAAA	GACGACATCA	TTGAGGTGAT	GAAGAAGCTC
E_iniecta	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
E_mallotivora	GAGATCGAAG	GTTCCAGGCAT	CCTGAGCAAA	GATGACATCA	TCCAAGTTCAT	GAAGAAACTC
E_oleae	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TCCAAGTTCAT	GAGAAAGCTT
E_persicina	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
E_phyllosphaerae	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTGAAGTTCAT	GAAGAAGCTC
E_piriflorinigrans	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
E_psidii	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTGAAGTTCAT	GAAGAAGCTC
E_pyrifoliae	GAGATCGAAG	GTTCCGGCAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
E_rhapontici	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
E_tasmaniensis	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTT
E_tracheiphila	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTGATGTTGAT	GAAAAAGCTC
E_typographi	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TCCAAGTTCAT	GCGTAAAGCTG
P_agglomerans	GAAATCGAAG	GTTCCAGGCAT	CCTGAGCAAA	GATGACATCA	TCCAAGTTCAT	GAAGAAGCTG
P_beijingensis	GAGATCGAAG	GTTCCAGGTAT	CCTGAGCAAA	GACGACATCA	TTGAAGTTCAT	GAAAAAGCTG
P_dispersa	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TCCAAGTTCAT	GAAGAAGCTC
P_eucalypti	GAAATCGAAG	GTTCCAGGCAT	CCTGAGCAAA	GACGACATCA	TCCAAGTTCAT	GAAGAAGCTG
E_sorbitola	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
E_toletana	GAGATCGAAG	GTTCCGGTAT	CCTGAGCAAA	GACGACATCA	TTGAAGTTCAT	GAAGAAGCTC
unknown_DE2	GAGATCGAAG	GTTCCAGGTAT	CCTGAGCAAA	GACGACATCA	TTGAAGTTCAT	GCGTAAAGCTT
unknown_E602	GAGATCGAAG	GTTCCGGTAT	TCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTG
unknown_Ejp617	GAGATAGAAG	GTTCCGGCAT	CCTGAGCAAA	GACGACATCA	TTCAAGGTGAT	GAAGAAGCTC
unknown_QL-Z3	GAGATCGAAG	GTTCCGGTAT	TCTGAGCAAA	GACGACATCA	TCCAAGTTCAT	GCGTAAACTG

5341

ecoli_K12	ATCGATATCC	GTAACGGTAA	AGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
C_E_dacicola	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
C_E_haradaeae	ATTAGTATAC	GAAATGGTAT	TGGCGAAATA	GATGATATTG	ATCACCTAGG	AAATCGTCGT
E_amylovora	ATCGGTATCC	GTAACGGCAT	CGGCGAAGTG	GATGATATCG	ATCACCTCGG	CAACCGTCGT
E_aphidicola	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
E_billingiae	ATCGGGATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
E_endophytica	ATCGATATCC	GCAATGGTAT	TGGTGAAGTG	GATGATATCG	ACCACCTCGG	TAACCGTCGC
E_iniecta	ATCGGTATCC	GTAACGGTGT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	TAACCGTCGT
E_mallotivora	ATCGGTATCC	GTAACGGCAT	CGGCGAAGTG	GATGACATCG	ACCACCTCGG	TAACCGTCGT
E_oleae	ATCGGTATTC	GTAACGGCAT	TGGTGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
E_persicina	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
E_phyllosphaerae	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
E_piriflorinigrans	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ATCACCTCGG	CAACCGTCGT
E_psidii	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
E_pyrifoliae	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ATCACCTCGG	CAACCGTCGT
E_rhapontici	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
E_tasmaniensis	ATTGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGACATCG	ATCACCTCGG	CAACCGTCGT
E_tracheiphila	ATCGGTATCC	GTAACGGCAT	TGGCGAAGTG	GATGATATTG	ACCACCTCGG	CAACCGTCGT
E_typographi	ATCGGAATCC	GTAACGGCAT	TGGCGAAGTG	GATGATATCG	ATCACCTCGG	CAACCGTCGC
P_agglomerans	ATCGACATCC	GTAACGGTAA	AGGCGAAGTG	GACGATATCG	ACCACCTCGG	TAACCGTCGT
P_beijingensis	ATCGGCATCC	GTAACGGCGT	GGGTGAAGTG	GACGATATCG	ACCACCTCGG	CAACCGCCGT
P_dispersa	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
P_eucalypti	ATCGACATCC	GTAACGGTAA	AGGCGAAGTG	GACGATATCG	ACCACCTCGG	TAACCGTCGT
E_sorbitola	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
E_toletana	ATCGGTATCC	GTAACGGTGT	TGGCGAAGTG	GATGATATCG	ACCACCTTGG	CAACCGTCGT
unknown_DE2	ATTGGTATCC	GTAACGGTAT	TGGTGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT
unknown_E602	ATCGGGATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGA
unknown_Ejp617	ATCGGTATCC	GTAACGGTAT	TGGCGAAGTG	GATGACATCG	ATCACCTCGG	CAACCGTCGT
unknown_QL-Z3	ATCGGGATCC	GTAACGGTAT	TGGCGAAGTG	GATGATATCG	ACCACCTCGG	CAACCGTCGT

5401

ecoli_K12	ATCCGTTCCG	TTGGCGAAAT	GGCGGAAAAA	CAGTTCCGCG	TTGGCCTGGT	ACGTGTAGAG
C_E_dacicola	ATCCGTTCCG	TGGCGAAAT	GGCAGAAAAA	CAGTTCCGTG	TTGGCCTCGT	GCGCGTAGAG
C_E_haradaeae	ATTGCTTCG	TTGGAGAAAT	GGCAGAAAAA	CAATTTCTGT	TTGGTTTAGT	ACGTGTAGAG
E_amylovora	ATCCGTTCCG	TTGGCGAAAT	GGCCGAGAAC	CAGTTCCGTG	TGGCCTGGT	GCGCGTAGAG
E_aphidicola	ATCCGTTCCG	TGGCGAAAT	GGCAGAAAAA	CAGTTCCGTG	TTGGCCTCGT	GCGCGTAGAG
E_billingiae	ATTGCTTCG	TTGGCGAAAT	GGCAGAAAAA	CAGTTCCGTG	TGGTCTGGT	CCGTGTTGAG
E_endophytica	ATTGCTTCG	TGGTGAAT	GGCCGAAAAA	CAGTTCCGTG	TTGGTCTGGT	GCGCGTAGAG
E_iniecta	ATCCGTTCCG	TGGCGAAAT	GGCGGAAAAA	CAGTTCCGCG	TTGGCCTGGT	ACGTGTTGAG
E_mallotivora	ATCCGTTCCG	TGGTGAAT	GGCTGAAAAA	CAGTTCCGTG	TTGGCCTGGT	GCGCGTTGAG
E_oleae	ATCCGTTCCG	TGGCGAAAT	GGCGGAGAAC	CAGTTCCGCG	TGGTCTGGT	GCGCGTTGAG
E_persicina	ATCCGTTCCG	TTGGCGAAAT	GGCTGAAAAA	CAGTTCCGTG	TTGGCCTGGT	GCGCGTAGAG
E_phyllosphaerae	ATCCGTTCCG	TGGCGAAAT	GGCTGAAAAA	CAGTTCCGTG	TAGGTCTGGT	GCGCGTTGAG
E_piriflorinigrans	ATCCGTTCCG	TTGGCGAAAT	GGCCGAGAAC	CAGTTCCGTG	TTGGCCTGGT	GCGCGTAGAA
E_psidii	ATCCGTTCCG	TGGCGAAAT	GGCTGAAAAA	CAGTTCCGCG	TAGGTCTGGT	CCGTGTTGAG
E_pyrifoliae	ATCCGTTCCG	TTGGCGAAAT	GGCCGAGAAC	CAGTTCCGTG	TTGGCTTAGT	GCGCGTAGAG
E_rhapontici	ATCCGTTCCG	TGGCGAAAT	GGCTGAAAAA	CAGTTCCGTG	TTGGCCTGGT	GCGCGTAGAG
E_tasmaniensis	ATCCGTTCCG	TGGCGAAAT	GGCCGAGAAC	CAGTTCCGTG	TTGGCCTGGT	GCGCGTAGAG
E_tracheiphila	ATCCGTTCCG	TGGCGAGAT	GGCTGAAAAA	CAGTTCCGCG	TAGGTCTGGT	TCGTGTTGAG
E_typographi	ATCCGTTCCG	TTGGCGAAAT	GGCGGAAAAA	CAGTTCCGCG	TAGGTCTGGT	GCGCGTTGAG
P_agglomerans	ATTGCTTCAG	TGGTGAAT	GGCTGAGAAC	CAGTTCCGTG	TGGTCTGGT	CCGTGTTGAG
P_beijingensis	ATCCGTTCCG	TTGGTGAAT	GGCAGAAAAA	CAGTTCCGTG	TGGTCTGGT	ACGTGTTGAG
P_dispersa	ATCCGTTCCG	TGGCGAAAT	GGCGGAAAAA	CAGTTCCGCG	TTGGCCTGGT	GCGCTAGAG
P_eucalypti	ATTGCTTCAG	TGGTGAAT	GGCTGAGAAC	CAGTTCCGTG	TGGCTCTGGT	GCGTGTGAG
E_sorbitola	ATTGCTTCG	TTGGCGAAAT	GGCTGAAAAA	CAGTTCCGTG	TTGGCCTTGT	GCGCGTAGAG
E_toletana	ATCCGTTCCG	TAGGCGAAAT	GGCAGAAAAA	CAGTTCCGCG	TTGGCCTGGT	ACGTGTTGAG
unknown_DE2	ATTGCTTCG	TTGGCGAAAT	GGCGGAAAAA	CAGTTCCGCG	TAGGTCTGGT	CCGTGTTGAG
unknown_E602	ATTGCTTCG	TTGGCGAAAT	GGCTGAAAAA	CAGTTCCGTG	TTGGTCTGGT	GCGCGTTGAG
unknown_Ejp617	ATCCGTTCCG	TTGGCGAAAT	GGCCGAGAAC	CAGTTCCGTG	TTGGCTTAGT	GCGCGTAGAG
unknown_QL-Z3	ATTGCTTCG	TTGGCGAAAT	GGCAGAAAAA	CAGTTCCGTG	TGGTCTGGT	CCGTGTTGAG

5461

ecoli_K12	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	ACAGGATATG
C_E_dacicola	CGTGCGGTGA	AAGAGCGTCT	GTCTCTAGGC	GATCTGGATA	CCCTGATGCC	ACAGGACATG
C_E_haradaeae	CGGGCGGTGA	AAGAGCGTCT	ATCCCTAGGA	GATTTAGACA	CTCTCATGCC	TCAGGATATG
E_amylovora	CGTGCGGTGA	AAGAGCGCCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	ACAGGACATG
E_aphidicola	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	ACAGGACATG
E_billingiae	CGTGCGGTGA	AAGAGCGTCT	GTCTTTAGGC	GATCTGGATA	CCCTGATGCC	TCAGGACATG
E_endophytica	CGTGCGGTGA	AAGAGCGCCT	GTCTTTGGGT	GATCTGGATA	CCCTGATGCC	GCAGGATATG
E_iniecta	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTCGATA	CCCTGATGCC	TCAGGATATG
E_mallotivora	CGTGCGGTGA	AAGAGCGTCT	TTCACTGGGC	GATCTCGATA	CCCTGATGCC	TCAGGATATG
E_oleae	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTCGACA	CGCTGATGCC	GCAGGACATG
E_persicina	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	ACAGGACATG
E_phyllosphaerae	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	GCAGGACATG
E_piriflorinigrans	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	TCAGGATATG
E_psidii	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGACA	CCCTGATGCC	TCAGGATATG
E_pyrifoliae	CGTGCGGTGA	AAGAGCGTCT	GTCTTTGGGC	GATCTGGATA	CCCTGATGCC	TCAGGACATG
E_rhapontici	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	ACAGGACATG
E_tasmaniensis	CGCGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	TCAGGATATG
E_tracheiphila	CGCGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GACCTGGACA	CTCTGATGCC	TCAGGATATG
E_typographi	CGCGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	ACAGGATATG
P_agglomerans	CGTGCGGTGA	AAGAGCGTCT	GTCACTGGGC	GACCTTGATA	CCCTGATGCC	ACAGGACATG
P_beijingensis	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	ACAGGATATG
P_dispersa	CGCGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GACCTCGACA	CGCTGATGCC	ACAGGACATG
P_eucalypti	CGTGCGGTGA	AAGAGCGTCT	GTCACTGGGC	GACCTTGATA	CCCTGATGCC	ACAGGACATG
E_sorbitola	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	ACAGGACATG
E_toletana	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTCGATA	CCCTGATGCC	TCAGGATATG
unknown_DE2	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	TCAGGATATG
unknown_E602	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGACA	CCCTGATGCC	TCAGGACATG
unknown_Ejp617	CGTGCGGTGA	AAGAGCGTCT	GTCTCTGGGC	GATCTGGATA	CCCTGATGCC	TCAGGATATG
unknown_QL-Z3	CGTGCGGTGA	AAGAGCGTCT	GTCTTTAGGC	GATCTGGATA	CCCTGATGCC	TCAGGACATG

5521

ecoli_K12	ATCAACGCCA	AGCCGATTTG	CGCAGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCT
C_E_dadicola	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTATCA
C_E_haradaeae	ATTAACGCTA	AACCAATCTC	TGCTGCTGTT	AGAGAAITTT	TGGGTTCAAG	TCAACTATCT
E_amylovora	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAGGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_aphidicola	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_billingiae	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCC
E_endophytica	ATCAACGCCA	AGCCAATCTC	GGCGGCGGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGTTGTCA
E_iniecta	ATTAACGCGA	AGCCGATCTC	CGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCT
E_mallotivora	ATCAACGCCA	AGCCAATCTC	TGCTGCGGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_oleae	ATCAATGCCA	AGCCGATCTC	CGCTGCGGTA	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_persicina	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_phyllosphaerae	ATCAACGCCA	AGCCGATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_piriflorinigrans	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_psidii	ATCAACGCCA	AGCCAATCTC	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_pyrifoliae	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_rhapontici	ATCAACGCCA	AGCCAATTTG	AGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_tasmaniensis	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_tracheiphila	ATCAACGCCA	AGCCAATCTC	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_typographi	ATCAACGCCA	AGCCGATTTG	AGCAGCGGTG	AAAGAGTTCT	TGGGTTCCAG	TCAGCTGTCA
P_agglomerans	ATCAACGCGA	AGCCAATTTG	GGCGGCGGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTTTCT
P_beijingensis	ATCAACGCGA	AGCCGATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCT
P_dispersa	ATCAACGCCA	AGCCAATTTG	GGCGGCGGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCT
P_eucalypti	ATCAACGCGA	AGCCGATTTG	GGCGGCGGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTTTCT
E_sorbitola	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
E_toletana	ATTAACGCTA	AGCCGATCTC	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCT
unknown_DE2	ATCAACGCCA	AGCCGATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTCTCT
unknown_E602	ATCAACGCCA	AGCCAATCTC	GGCGGCGGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCT
unknown_Ejp617	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCA
unknown_QL-Z3	ATCAACGCCA	AGCCAATTTG	TGCGGCAGTG	AAAGAGTTCT	TGGGTTCCAG	CCAGCTGTCC

5581

ecoli_K12	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATTACGC	ACAAACGTGC	TATCTCCGCA
C_E_dadicola	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATCACGC	ACAAGCGTCG	TATCTCTGCA
C_E_haradaeae	CAATTTATGG	ATCAGAATAA	TCCACTTTCT	GAAATTACAC	ATAAACGTGC	TATCTCTGCA
E_amylovora	CAGTTTATGG	ATCAGAACAA	CCCGCTGTCT	GAGATCACGC	ACAAACGTGC	TATCTCTGCA
E_aphidicola	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATCACGC	ACAAGCGTCG	TATCTCTGCA
E_billingiae	CAGTTTATGG	ACCAGAACAA	CCCACTGTCT	GAGATTACGC	ACAAACGTGC	TATCTCTGCA
E_endophytica	CAGTTTATGG	ACCAGAACAA	CCCACTGTCT	GAGATTACCC	ACAAACGGCG	TATCTCTGCA
E_iniecta	CAATTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATCACGC	ACAAGCGTCG	TATCTCTGCA
E_mallotivora	CAGTTTATGG	ACCAGAACAA	CCCACTGTCT	GAGATTACCC	ACAAGCGTCG	TATCTCGGCA
E_oleae	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATCACGC	ACAAACGTGC	TATCTCGGCC
E_persicina	CAGTTTATGG	ACCAGAACAA	CCCGTTGTCT	GAGATCACGC	ATAAGCGTCG	TATCTCTGCA
E_phyllosphaerae	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATTACGC	ACAAGCGTCG	TATCTCGGCA
E_piriflorinigrans	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATTACGC	ACAAACGCCG	TATCTCTGCT
E_psidii	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATTACGC	ACAAGCGCCG	TATCTCTGCT
E_pyrifoliae	CAGTTTATGG	ACCAGAACAA	CCCGTTGTCT	GAGATTACGC	ACAAACGTGC	TATCTCTGCA
E_rhapontici	CAGTTTATGG	ACCAGAACAA	CCCGTTGTCA	GAGATCACGC	ATAAGCGTCG	TATTTCTGCA
E_tasmaniensis	CAGTTTATGG	ACCAGAACAA	CCCGTTGTCT	GAGATCACGC	ACAAACGTGC	TATCTCTGCA
E_tracheiphila	CAGTTTATGG	ACCAGAACAA	CCCACTGTCT	GAGATTACGC	ACAAGCGTCG	TATCTTTGCA
E_typographi	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATTACGC	ACAAGCGTCG	TATCTCTGCT
P_agglomerans	CAGTTTATGG	ATCAGAACAA	CCCGCTGTCA	GAGATTACGC	ACAAACGTGC	TATCTCTGCT
P_beijingensis	CAATTTATGG	ACCAGAACAA	CCCACTGTCT	GAAATCACGC	ACAAGCGTCG	TATTTCTGCA
P_dispersa	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATTACGC	ACAAACGTGC	TATCTCTGCT
P_eucalypti	CAGTTTATGG	ATCAGAACAA	CCCGCTGTCA	GAGATTACGC	ACAAACGTGC	TATCTCTGCT
E_sorbitola	CAGTTTATGG	ATCAGAACAA	CCCGTTGTCT	GAGATCACGC	ATAAGCGTCG	TATCTCTGCA
E_toletana	CAATTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATTACGC	ACAAGCGTCG	TATCTCTGCA
unknown_DE2	CAGTTTATGG	ACCAGAACAA	CCCGCTGTCT	GAGATTACGC	ACAAGCGTCG	TATCTCTGCA
unknown_E602	CAGTTTATGG	ACCAGAACAA	CCCGTTGTCT	GAGATCACGC	ACAAGCGTCG	TATCTCTGCA
unknown_Ejp617	CAGTTTATGG	ACCAGAACAA	CCCGTTGTCT	GAGATCACGC	ACAAACGCCG	TATCTCTGCA
unknown_QL-Z3	CAGTTTATGG	ACCAGAACAA	CCCACTGTCT	GAGATTACGC	ACAAACGTGC	TATCTCTGCA

5641

ecoli_K12	CTCGGCCCGG	GCGGTCTGAC	CGGTGAACGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
C_E_dadicola	CTCGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
C_E_haradaeae	TTAGGTCCAG	GTTGTCTGAC	ACGCGAACGG	GCAGGCTTTTG	AAGTAAGAGA	TGTTTCATCCA
E_amylovora	CTTGGGCCGG	GCGGTCTGAC	GCGTGAACGT	GCGGGCTTTCG	AAGTTCGAGA	CGTACACCCG
E_aphidicola	CTCGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
E_billingiae	CTTGGGCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG
E_endophytica	CTGGGCCCGG	GCGGTCTGAC	GCGTGAGCGG	GCAGGCTTTTG	AAGTTCGAGA	TGTTTCACCCG
E_iniecta	CTTGGGCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG
E_mallotivora	CTGGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG
E_oleae	CTTGGGCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTGCATCCG
E_persicina	CTGGGTCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
E_phyllosphaerae	CTTGGGCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG
E_piriflorinigrans	CTGGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
E_psidii	CTTGGGTCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG
E_pyrifoliae	CTCGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
E_rhapontici	CTGGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
E_tasmaniensis	TTGGGTCCAG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
E_tracheiphila	CTTGGTCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG
E_typographi	CTGGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG
P_agglomerans	CTCGGCCCGG	GTTGGTTTGAC	GCGTGAGCGT	GCCGGCTTTCG	AAGTTCGAGA	CGTACACCCA
P_beijingensis	CTTGGGCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG
P_dispersa	CTGGGCCCGG	GCGGTCTGAC	CGGTGAACGC	GCCGGCTTTCG	AAGTTCGAGA	CGTACACCCG
P_eucalypti	CTCGGCCCGG	GTTGGTTTGAC	GCGTGAGCGT	GCCGGCTTTCG	AAGTTCGAGA	CGTACACCCA
E_sorbitola	CTGGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTACACCCG
E_toletana	CTTGGGCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG
unknown_DE2	CTGGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTACACCCG
unknown_E602	CTGGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
unknown_Ejp617	CTGGGCCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTCG	AAGTTCGAGA	CGTACACCCG
unknown_QL-Z3	CTTGGGCCGG	GCGGTCTGAC	GCGTGAGCGT	GCAGGCTTTTG	AAGTTCGAGA	CGTTCACCCG

5701

ecoli_K12	ACTCACTACG	GTCGCGTATG	TCCAATCGAA	ACCCCTGAAG	GTCCGAACAT	CGGTCTGATC
C_E_dadicola	ACTCACTACG	GTCGCGTATG	TCCAATCGAG	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATT
C_E_haradaeae	ACACACTACG	GTCGCGTTTG	TCCCATTTGAG	ACCCCTGAGG	GGCCAAATAT	AGGTCTAATT
E_amylovora	ACTCACTATG	GTCGCGTATG	TCCAATCGAA	ACCCCGGAAG	GTCCGAACAT	CGGTTTGATC
E_aphidicola	ACTCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_billingiae	ACGCACTACG	GTCGCGTGTG	CCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_endophytica	ACTCACTATG	GTCGTGTGTG	TCCAATCGAA	ACGCCGGAAG	GTCCGAACAT	TGGTCTGATC
E_iniecta	ACTCACTACG	GTCGTGTGTG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_mallotivora	ACGCACTATG	GTCGCGTGTG	CCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATT
E_oleae	ACCCCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATT
E_persicina	ACGCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_phyllosphaerae	ACTCACTACG	GTCGCGTGTG	CCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_piriflorinigrans	ACTCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_psidii	ACGCACTACG	GTCGCGTGTG	CCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_pyrifoliae	ACTCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_rhapontici	ACTCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_tasmaniensis	ACTCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTAATC
E_tracheiphila	ACTCACTACG	GTCGCGTGTG	CCCAATCGAA	ACCCCTGAAG	GTCCAAACAT	CGGTCTGATC
E_typographi	ACGCATTACG	GTCGCGTGTG	CCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATT
P_agglomerans	ACGCACTACG	GTCGTGTGTG	CCCAATCGAA	ACCCCTGAAG	GCCCGAACAT	CGGTCTGATC
P_beijingensis	ACTCACTATG	GTCGTGTGTG	CCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
P_dispersa	ACTCACTACG	GTCGCGTATG	TCCAATCGAA	ACCCCGGAAG	GTCCGAACAT	CGGTCTGATC
P_eucalypti	ACGCACTACG	GTCGTGTGTG	CCCAATCGAA	ACCCCTGAAG	GTCCGAACAT	CGGTCTGATC
E_sorbitola	ACTCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
E_toletana	ACTCACTACG	GTCGTGTGTG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
unknown_DE2	ACGCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
unknown_E602	ACTCACTACG	GTCGCGTATG	TCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
unknown_Ejp617	ACTCACTACG	GTCGCGTATG	TCCCATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC
unknown_QL-Z3	ACGCACTACG	GTCGCGTGTG	CCCAATCGAA	ACGCCGGAAG	GTCCAAACAT	CGGTCTGATC

5761

ecoli_K12	AACTCCTCTGT	CCGTGTACGC	ACAGACTAAG	GAATACGGCT	TCCTTGAGAC	TCCGTATCGT
C_E_dadicola	AACTCCCTCT	CTGTGTACGC	ACAGACGAAT	GAGTACGGTT	TCCTTGAGAC	CCCATACCGT
C_E_haradaeae	AACTCACTAT	CTGTATTATGC	ACAAACTAAG	GAATACGGTT	TTTTAGAAAC	GCCATACCGA
E_amylovora	AACTCCTTGT	CTGTCTATGC	ACAGACCAAC	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT
E_aphidicola	AACTCCCTCT	CTGTGTACGC	ACAGACGAAT	GAGTACGGTT	TCCTTGAAAC	CCCATATCGT
E_billingiae	AACTCCTTGT	CCGTGTACGC	ACAGACCAAT	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT
E_endophytica	AACTCCCTGT	CCGTGTACGC	GCAGACTAAT	GAGTATGGTT	TCTTGAAAC	GCCATACCGT
E_iniecta	AACTCCTTGT	CTGTATTATGC	ACAGACCAAT	GAGTACGGTT	TCCTTGAAAC	CCCATTATCGT
E_mallotivora	AACTCCCTGT	CTGTATTATGC	GCAGACCAAC	GAGTATGGTT	TCCTTGAAAC	CCCATACCGC
E_oleae	AACTCGTTGT	CTGTATTATGC	GCAGACCAAC	GAGTATGGTT	TCCTTGAAAC	GCCATACCGT
E_persicina	AACTCCCTGT	CTGTATTATGC	ACAGACCAAT	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT
E_phyllosphaerae	AACTCGGTGT	CCGTGTACGC	ACAGACCAAC	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT
E_piriflorinigrans	AACTCCTTGT	CTGTCTATGC	ACAGACCAAC	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT
E_psidii	AACTCGCTGT	CCGTGTACGC	ACAGACCAAC	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT
E_pyrifoliae	AACTCCTTGT	CTGTGTATGC	ACAGACCAAC	GAGTACGGTT	TCCTTGAAAC	CCCATACCGC
E_rhapontici	AACTCCTTGT	CTGTATTATGC	ACAGACCAAT	GAGTATGGTT	TCCTTGAAAC	CCCATACCGT
E_tasmaniensis	AACTCCCTGT	CTGTATTATGC	ACAGACCAAT	GAGTACGGTT	TCCTTGAAAC	TCCATACCGC
E_tracheiphila	AACTCCCTGT	CCGTGTACGC	ACAGACCAAC	GAGTACGGTT	TCCTTGAAAC	CCCATACCGC
E_typographi	AACTCCCTGT	CAGTGTACGC	ACAGACTAAG	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT
P_agglomerans	AACTCCTTGT	CTGTGTATGC	ACAGACCAAC	GAGTACGGTT	TCCTTGAGAC	GCCATTACCGC
P_beijingensis	AACTCGGTGT	CTGTATTATGC	ACAGACGAAC	GAGTATGGTT	TCCTTGAAAC	GCCATATCGC
P_dispersa	AACTCACTCT	CTGTATTATGC	GCAGACTAAG	GAATACGGCT	TCCTTGAAAC	GCCGTATCGC
P_eucalypti	AACTCCTTGT	CTGTATTATGC	ACAGACGAAC	GAGTACGGTT	TCCTTGAGAC	ACCTTATCGC
E_sorbitola	AACTCCTTGT	CTGTATTATGC	ACAGACCAAT	GAGTATGGTT	TCCTTGAAAC	CCCATACCGT
E_toletana	AACTCCTTGT	CTGTATTATGC	ACAGACCAAT	GAGTACGGTT	TCCTTGAAAC	CCCATTATCGT
unknown_DE2	AACTCCCTGT	CTGTGTACGC	ACAGACCAAC	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT
unknown_E602	AACTCCCTGT	CCGTGTACGC	ACAGACTAAG	GAGTATGGTT	TCCTTGAAAC	CCCATACCGT
unknown_Ejp617	AACTCCTTGT	CTGTGTATGC	ACAGACCAAC	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT
unknown_QL-Z3	AACTCCTTGT	CCGTGTACGC	ACAGACCAAT	GAGTACGGTT	TCCTTGAAAC	CCCATACCGT

5821

ecoli_K12	AAAGTGAACCG	ACGGTGTGGT	AACTGACGAA	ATTCACTACC	TGTCCTGCTAT	CGAAGAAGGC
C_E_dadicola	CGCGTGC GCG	AAGGTATGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCAAT	TGAAGAGGGT
C_E_haradaeae	CGAGTAAAGA	ACGGCATTTG	AACCAATGAA	ATCCATTATC	TCTCTGCTAT	TGAAGAAGGT
E_amylovora	CGCGTGC GCG	ATGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCCAT	TGAAGAGGGT
E_aphidicola	CGCGTGC GCG	AAGGTGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCTAT	TGAAGAGGGT
E_billingiae	CGCGTGC GCG	AAGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCAAT	TGAAGAGGGT
E_endophytica	CGTGTTCGTG	ACGGGGTGGT	GACCGACGAA	ATTCAATTATC	TCTCAGCAAT	TGAAGAGGGT
E_iniecta	CGCGTACGTG	ACGGTGTGGT	CACCGACGAA	ATTCAATTACC	TCTCGGCAAT	TGAAGAGGGT
E_mallotivora	CGCGTTCGTG	ATGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCCAT	TGAAGAAGGT
E_oleae	CGCGTTCGTG	AAGGCGTGGT	GACCGACGAA	ATCCATTACC	TTTCTGCTAT	TGAAGAAGGT
E_persicina	CGCGTTCGTG	AAGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCTAT	TGAAGAGGGT
E_phyllosphaerae	CGCGTACGTG	AAGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCAAT	TGAAGAGGGT
E_piriflorinigrans	CGCGTGC GCG	ATGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCTAT	TGAAGAGGGT
E_psidii	CGCGTACGTG	AAGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCCAT	TGAAGAGGGT
E_pyrifoliae	CGCGTGC GCG	ATGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCCAT	TGAAGAGGGT
E_rhapontici	CGCGTTCGTG	AAGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCTAT	TGAAGAGGGT
E_tasmaniensis	CGCGTACGTG	ATGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCTAT	TGAAGAGGGT
E_tracheiphila	CGCGTTCGTG	ACGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCCAT	TGAAGAGGGT
E_typographi	CGCGTTCGTG	AAGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCAAT	CGAAGAGGGT
P_agglomerans	CGTGTATATCG	ACGGTGTGGT	TCTTGACGAG	ATTCACTACC	TCTCTGCTAT	CGAAGAGGGT
P_beijingensis	CGCGTGC GCG	AAGGTGTGGT	GACCGACGAA	ATTCAATTACC	TTTCTGCCAT	TGAAGAAGGT
P_dispersa	CGCGTGGTTG	ACGGTAAAGT	GAGTGATGAA	ATTCAATTACC	TCTCTGCTAT	CGAAGAGGGT
P_eucalypti	CGTGTATATCG	ACGGTGTGGT	TCTTGACGAG	ATTCAATTACC	TTTCTGCTAT	CGAAGAGGGT
E_sorbitola	CGCGTTCGTG	AAGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCTAT	TGAAGAGGGT
E_toletana	CGCGTACGTG	ACGGTGTGGT	CACCGACGAA	ATTCAATTACC	TCTCTGCAAT	TGAAGAGGGT
unknown_DE2	CGCGTTCGTG	AAGGCGTGGT	GACCGATGAA	ATTCAATTACC	TCTCTGCCAT	TGAAGAGGGT
unknown_E602	CGCGTGC GCG	ATGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCCAT	TGAAGAGGGT
unknown_Ejp617	CGCGTGC GCG	ATGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCCAT	TGAAGAGGGT
unknown_QL-Z3	CGCGTTCGTG	AAGGCGTGGT	GACCGACGAA	ATTCAATTACC	TCTCTGCAAT	TGAAGAGGGT

5881

ecoli_K12	A A C T A C G T T A	T C G C C C A G G C	G A A C T C C A A C	T T G G A T G A A G	A A G G C C A C T T	C G T A G A A G A C
C_E_dadicola	A A C T A C G T T A	T C G C T C A G G C	T A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T C G A C G A T
C_E_haradaeae	C A T T A T G T T A	T T G C A C A G G C	T A A T A C C A A T	C T C A A T C A A T	C A G G T C A T A T	T A T T G A A G A T
E_amylovora	A A C T A C G T T A	T T G C T C A G G C	A A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T T G A C G A C
E_aphidicola	A A C T A C G T T A	T C G C T C A G G C	T A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T G G A C G A T
E_billingiae	A A C T A C G T T A	T C G C T C A G G C	T A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T A G A C G A T
E_endophytica	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A T	C T C G A C G A G G	A A G G T C A C T T	T G T C G A T G A T
E_iniecta	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T A G A C G A C
E_mallotivora	A A T T A C G T T A	T T G C G C A G G C	G A A C A C C A A C	C T C G A C G A C G	A A G G C C A C T T	T G T C G A T G A C
E_oleae	A A C T A C G T T A	T T G C T C A G G C	G A A C A C C A A C	C T C G A T G A C G	A A G G C C A T T T	C G T T G A C G A T
E_persicina	A A C T A C G T T A	T C G C T C A G G C	A A A C A C C A A T	C T C G A C G A C G	A A G G T C A C T T	C G T A G A C G A C
E_phyllosphaerae	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T A G A C G A C
E_piriflorinigrans	A A C T A C G T T A	T C G C T C A G G C	C A A C A C C A A T	C T G G A C G A C G	A A G G T C A C T T	C G T T G A C G A T
E_psidii	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T G G A C G A C
E_pyrifoliae	A A C T A C G T T A	T C G C T C A G G C	A A A C A C C A A C	C T C G A C G A C G	A A G G C C A C T T	C G T A G A C G A C
E_rhapontici	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T A G A C G A T
E_tasmaniensis	A A C T A C G T T A	T C G C T C A G G C	C A A C A C C A A C	C T C G A T G A C G	A A G G T C A C T T	C G T A G A C G A T
E_tracheiphila	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T G G A C G A T
E_typographi	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G A T G A C G	A A G G T C A C T T	C G T A G A C G A T
P_agglomerans	A A C T A C G T T A	T C G C T C A G G C	G A A C G C C C C T	C T T G A T G A T A	A C G G C G C G T T	T G T T G A T G A C
P_beijingensis	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A T	C T C G A T G A C G	A A G G T C A C T T	T G T T G A C G A T
P_dispersa	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G C C G A T G	A C G G C G C G T T	T G T T G A C G A T
P_eucalypti	A A C T A C G T T A	T C G C T C A G G C	G A A C G C C C C T	C T T G A T G A T A	A C G G C G C G T T	T G T T G A T G A C
E_sorbitola	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G A C G A T G	A A G G T C A C T T	C G T A G A C G A T
E_toletana	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T A G A C G A T
unknown_DE2	A A C T A C G T T A	T C G C T C A G G C	G A A C A C T A A C	C T C G A C G A C G	A A G G T C A C T T	C G T A G A C G A T
unknown_E602	A A C T A C G T T A	T C G C T C A G G C	T A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T A G A C G A C
unknown_Ejp617	A A C T A C G T T A	T C G C T C A G G C	A A A C A C C A A C	C T C G A C G A C G	A A G G C C A C T T	C G T A G A C G A C
unknown_QL-Z3	A A C T A C G T T A	T C G C T C A G G C	G A A C A C C A A C	C T C G A C G A C G	A A G G T C A C T T	C G T A G A C G A T

5941

ecoli_K12	C T G G T A A C T T	G C C G T A G C A A	A G G C G A A T C C	A G C T T G T T C A	G C C G C G A C C A	G G T T G A C T A C
C_E_dadicola	C T G G T C A C T T	G C C G T A G C A A	A G G C G A A T C A	A G T C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
C_E_haradaeae	C T A G T C A C A T	G C C G T A A T A A	A G G T G A A T C T	A G T T T A T T T A	A T C G C G C G C A	G A T T G A C T A T
E_amylovora	C T G G T G A C C T	G C C G C A G C A A	A G G C G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_aphidicola	C T G G T G A C T T	G C C G T A G C A A	A G G C G A A T C A	A G T C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_billingiae	C T G G T T A C T T	G C C G T A G T A A	A G G C G A A T C G	A G C T T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_endophytica	T T G G T G A C T T	G C C G T A G C A A	A G G C G A G T C G	A G T C T G T T C A	G C C G T G A T C A	G G T T G A C T A T
E_iniecta	C T G G T G A C T T	G C C G T A G C A A	A G G C G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_mallotivora	C T G G T T A C C T	G C C G T A G C A A	A G G C G A A T C C	A G T C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_oleae	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C A	A G T C T G T T C A	G T C G C G A T C A	G G T T G A C T A C
E_persicina	C T G G T C A C C T	G C C G T A G C A A	A G G C G A A T C G	A G T C T C T T C A	A C C G C G A T C A	A G T T G A C T A C
E_phyllosphaerae	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_piriflorinigrans	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_psidii	C T G G T A A C C T	G C C G T A G C A A	A G G C G A A T C A	A G T C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_pyrifoliae	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_rhapontici	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C G	A G C C T C T T C A	A C C G T G A C C A	G G T T G A C T A C
E_tasmaniensis	T T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
E_tracheiphila	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C A	A G T C T G T T T A	G C C G A G A T C A	G G T T G A C T A C
E_typographi	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
P_agglomerans	C T G G T C A C C T	G C C G T A G C A A	A G G C G A A T C A	A G T C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
P_beijingensis	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C C	A G C T T G T T C A	G T C G C G A T C A	G G T T G A C T A C
P_dispersa	C T C G T C A C G T	G C C G T A G C A A	A G G T G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
P_eucalypti	T T A G T C A C C T	G C C G T A G C A A	A G G C G A A T C A	A G T C T G T T C A	G C C G T G A T C A	G G T T G A C T A C
E_sorbitola	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C G	A G C C T C T T C A	A C C G T G A A C A	G G T T G A C T A C
E_toletana	C T G G T G A C T T	G C C G T A G C A A	A G G C G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
unknown_DE2	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C G	A G C C T C T T C A	G C C G C G A T C A	G G T T G A C T A C
unknown_E602	C T G G T G A C C T	G C C G T A G C A A	A G G C G A G T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A C
unknown_Ejp617	C T G G T G A C C T	G C C G T A G C A A	A G G C G A A T C G	A G C C T G T T C A	G C C G C G A T C A	G G T T G A C T A T
unknown_QL-Z3	C T G G T T A C T T	G C C G T A G T A A	A G G C G A A T C G	A G C T T G T T C A	G C C G C G A T C A	G G T T G A C T A C

6001

ecoli_K12	ATGGACGTAT	CCACCCAGCA	GGTGGTATCC	GTCGGTGCCT	CCCTGATCCC	GTTCCCTGGAA
C_E_dadicola	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTAGAA
C_E_haradaeae	ATGGATGTCT	CAACCCAAACA	AGTCGTTTCT	GLTGGTGCAT	CCCTAATCCC	GTTTCTCGAA
E_amylovora	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAA
E_aphidicola	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAA
E_billingiae	ATGGACGTAT	CCACCCAGCA	GATCGTTTCT	GLTGGTGCCT	CACTGATCCC	GTTCCCTGGAG
E_endophytica	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGGGCAT	CGCTGATTCC	GTTCCCTGGAA
E_iniecta	ATGGACGTTT	CCACCCAAACA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAA
E_mallotivora	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCT	GTCGGTGCCT	CACTGATTCC	GTTCCCTTGAG
E_oleae	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CGCTGATCCC	GTTCCCTGGAG
E_persicina	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
E_phyllosphaerae	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
E_piriflorinigrans	ATGGACGTTT	CCACCCAAACA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
E_psidii	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CGCTGATCCC	GTTCCCTGGAA
E_pyrifoliae	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAA
E_rhapontici	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
E_tasmaniensis	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
E_tracheiphila	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGGGCAA	GCCTGATCCC	GTTCCCTGGAA
E_typographi	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCT	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
P_agglomerans	ATGGACGTTT	CGACTCAACA	GATCGTTTCT	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAA
P_beijingensis	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCT	GTCGGTGCCT	CCCTGATCCC	GTTCCCTGGAA
P_dispersa	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCT	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
P_eucalypti	ATGGACGTTT	CGACCCAAACA	GATCGTTTCT	GTCGGTGCCT	CCCTGATCCC	GTTCCCTGGAA
E_sorbitola	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCT	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
E_toletana	ATGGACGTTT	CCACCCAAACA	GGTGGTATTCC	GTCGGTGCCT	CACTGATTCC	GTTCCCTGGAG
unknown_DE2	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
unknown_E602	ATGGATGTAT	CCACCCAAACA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAA
unknown_Ejp617	ATGGACGTTT	CCACCCAGCA	GGTGGTATTCC	GTCGGTGCCT	CACTGATCCC	GTTCCCTGGAG
unknown_QL-Z3	ATGGACGTAT	CCACCCAGCA	GATCGTTTCT	GLTGGTGCCT	CACTGATCCC	GTTCCCTGGAG

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ecoli_K12	CACGATGACG	CCAACCGTGC	ATTGATGGGT	GCGAACATGC	AACGTCAGGC	CGTTCCGACT
C_E_dadicola	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCTAACATGC	AACGTCAGGC	GGTTCCAACT
C_E_haradaeae	CATGATGATG	CTAACCGAGC	ATTAAATGGGA	GCAAAATATGC	AACGTCAGGC	AGTGCCAAAG
E_amylovora	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTACCGACT
E_aphidicola	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAACT
E_billingiae	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAACT
E_endophytica	CACGATGACG	CTAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCCTACT
E_iniecta	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAACT
E_mallotivora	CACGATGACG	CCAACCGTGC	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCCACT
E_oleae	CACGATGACG	CCAACCGGCG	CTTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTGCCTACC
E_persicina	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCCTACT
E_phyllosphaerae	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCCTACT
E_piriflorinigrans	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTACCTACT
E_psidii	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAACT
E_pyrifoliae	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTACCTACT
E_rhapontici	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAACT
E_tasmaniensis	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTCCCTACT
E_tracheiphila	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAAAG
E_typographi	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTCCCAACT
P_agglomerans	CACGATGATG	CTAACCGGCG	CTTGATGGGT	GCGAACATGC	AACGTCAGGC	CGTTCCGACT
P_beijingensis	CACGATGACG	CCAACCGTGC	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTCCCAACA
P_dispersa	CACGATGATG	CTAACCGGCG	CCTGATGGGT	GCGAACATGC	AACGTCAGGC	TGTACCTACC
P_eucalypti	CACGATGACG	CCAACCGGCG	CCTGATGGGT	GCGAACATGC	AACGTCAGGC	CGTTCCGACT
E_sorbitola	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAACT
E_toletana	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAACT
unknown_DE2	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAACT
unknown_E602	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	CGTACCAACC
unknown_Ejp617	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTACCTACT
unknown_QL-Z3	CACGATGACG	CCAACCGGCG	ATTGATGGGT	GCAAAACATGC	AACGTCAGGC	GGTTCCAACT

6121

ecoli_K12	CTGCGGCTG	ATAAGCCGCT	GGTTGGTACT	GGTATGGAAC	GTGCTGTTGC	CGTTGACTCC
C_E_dadicola	TTGCGTGTG	ATAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC
C_E_haradaeae	CTACGGGCTG	ATAAGCCGCT	GGTTGGAACT	GGGATGGAGC	GCGCTGTAGC	CGTCGACTCT
E_amylovora	CTGCGGCTG	ATAAGCCGCT	GGTAGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTCGACTCC
E_aphidicola	CTGCGTGTG	ATAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC
E_billingiae	CTGCGTGTG	ATAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC
E_endophytica	CTGCGTGTG	ACAAGCCGCT	GGTGGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC
E_iniecta	CTGCGGCTG	ATAAGCCGCT	GGTGGGTACC	GGTATGGAAC	GCGCGGTTGC	GGTTGACTCC
E_mallotivora	CTGCGTGTG	ACAAGCCGCT	GGTTGGTACC	GGTATGGAGC	GCGCGGTAGC	GGTTGACTCC
E_oleae	CTGCGTGTG	ATAAGCCGCT	GGTCGGTACC	GGTATGGAGC	GCGCGGTAGC	GGTTGACTCC
E_persicina	CTGCGTGTG	ATAAGCCGCT	GGTAGGTACC	GGTATGGAGC	GTGCGGTTGC	GGTTGACTCC
E_phyllosphaerae	CTGCGTGTG	ATAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC
E_piriflorinigrans	CTGCGGCTG	ATAAGCCGCT	GGTAGGAACC	GGTATGGAGC	GCGCGGTAGC	GGTTGACTCC
E_psidii	CTGCGTGTG	ATAAGCCGCT	GGTGGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC
E_pyrifoliae	CTGCGTGTG	ATAAGCCGCT	GGTAGGAACC	GGTATGGAAC	GCGCGGTAGC	GGTCGACTCC
E_rhapontici	CTGCGTGTG	ATAAGCCGCT	GGTTGGTACT	GGTATGGAAC	GCGCGGTAGC	GGTCGACTCC
E_tasmaniensis	CTGCGTGTG	ATAAGCCGCT	GGTAGGAACC	GGTATGGAAC	GCGCGGTAGC	GGTCGACTCC
E_tracheiphila	CTGCGTGTG	ATAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC
E_typographi	CTGCGGCTG	ATAAGCCGCT	GGTTGGCACC	GGTATGGAGC	GCGCGGTAGC	GGTAGACTCC
P_agglomerans	CTGCGTGTG	ATAAGCCGCT	GGTTGGTACG	GGTATGGAAC	GTGCTGTTGC	CGTTGACTCC
P_beijingensis	CTGCGTGTG	ATAAGCCGCT	TTGTTGGTACC	GGTATGGAAC	GTGCGGTTGC	GGTTGACTCC
P_dispersa	CTGCGTGTG	ACAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GTGCTGTTGC	AGTCGACTCC
P_eucalypti	CTGCGTGTG	ACAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GTGCTGTTGC	GGTTGACTCC
E_sorbitola	CTGCGGCTG	ATAAGCCGCT	GGTTGGTACT	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC
E_toletana	CTGCGTGTG	ATAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GCGCGGTTGC	GGTTGACTCC
unknown_DE2	CTGCGGCTG	ATAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC
unknown_E602	CTGCGGCTG	ATAAGCCGCT	GGTAGGTACA	GGTATGGAGC	GCGCGGTAGC	GGTTGACTCC
unknown_Ejp617	CTGCGTGTG	ATAAGCCGCT	GGTAGGAACC	GGTATGGAAC	GCGCGGTAGC	GGTCGACTCC
unknown_QL-Z3	CTGCGTGTG	ATAAGCCGCT	GGTTGGTACC	GGTATGGAAC	GCGCGGTAGC	GGTTGACTCC

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ecoli_K12	GGTGTAACTG	CCGTAGCTAA	ACGTGGTGGT	GTGTTTCAGT	ACGTGGATGC	TTCCCGTATC
C_E_dadicola	GGTGTAAACG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCCCGTATC
C_E_haradaeae	GGCGTAAACCT	CTGTTGCAAA	ACGAAGTGGT	ATCGTTCAAT	ATGTGGATGC	AGCCCGTATT
E_amylovora	GGTGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ATGTGGATGC	ATCGCGTATC
E_aphidicola	GGTGTAAACG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCCCGTATC
E_billingiae	GGTGTAACTG	CCGTAGCAAA	ACGTGGTGGT	ACTGTTTCAGT	ACGTGGATGC	ATCCCGTATC
E_endophytica	GGGGTAAACG	CTGTGCGGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCCCGTATC
E_iniecta	GGTGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCCCGTATC
E_mallotivora	GGTGTAAACG	CCGTAGCGAA	ACGTGGTGGT	GTGTTGTCAGT	ATGTGGATGC	CTCCCGTATT
E_oleae	GGCGTAAACG	CCGTAGCGAA	ACCGCGCGGT	ACCGTTCAGT	ACGTGGATGC	ATCGCGTATC
E_persicina	GGTGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCCCGTATC
E_phyllosphaerae	GGTGTAAACG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCCCGTATC
E_piriflorinigrans	GGCGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCACGTATC
E_psidii	GGTGTAAACG	CCGTAGCGAA	ACGTGGTGGT	ACTGTTTCAGT	ACGTGGATGC	TTCCCGTATC
E_pyrifoliae	GGCGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCGCGTATC
E_rhapontici	GGTGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCACGTATC
E_tasmaniensis	GGCGTAACTG	CCGTAGCGAA	ACGTGGCGGT	ACCGTTCAGT	ACGTGGACGC	ATCGCGTATC
E_tracheiphila	GGTGTAAACG	CCGTAGCGAA	ACGTGGTGGT	ACCAITTCAGT	ACGTGGATGC	ATCCCGTATC
E_typographi	GGCGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCCCGTATC
P_agglomerans	GGTGTAACTG	CCGTAGCGAA	ACGTGGCGGT	ACCGTTCAGT	ACGTGGACGC	ATCACGTATC
P_beijingensis	GGTGTAACTG	CCGTAGCGAA	ACGTGGCGGT	ACCGTTCAGT	ACGTGGATGC	ATCACGTATC
P_dispersa	GGTGTAACTG	CTGTGCGGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCACGTATC
P_eucalypti	GGTGTAACTG	CCGTAGCGAA	ACGTGGCGGT	ACCGTTCAGT	ACGTGGACGC	ATCACGTATC
E_sorbitola	GGTGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCACGTATC
E_toletana	GGTGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCACGTATC
unknown_DE2	GGTGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCCCGTATC
unknown_E602	GGCGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCCCGTATC
unknown_Ejp617	GGCGTAACTG	CCGTAGCGAA	ACGTGGTGGT	ACCGTTCAGT	ACGTGGATGC	ATCGCGTATC
unknown_QL-Z3	GGTGTAACTG	CCGTAGCAAA	ACGTGGTGGT	ACTGTTTCAGT	ACGTGGATGC	ATCCCGTATC

6241

ecoli_K12	GTTATCAAAG	TTAACGAAGA	CGAGATGTAT	CCGGGTGAAG	CAGGTATCGA	CATCTACAAC
C_E_dadicola	GTTATCAAAG	TTAACGAAGA	CGAAATGTAC	CCGGGTGAAG	CCGGTATCGA	CATTTACAAC
C_E_haradaeae	GTATATAAAG	TAAATGAAAG	TGAAATGTAT	CCGAAAGAAG	CTGGTATCGA	TATTTATAAT
E_amylovora	GTTATCAAAG	TTAACGAAGA	CGAAATGTAC	CCAGGC GAAG	CCGGTATCGA	CATTTACAAC
E_aphidicola	GTTATCAAAG	TTAACGAAGA	CGAAATGTAC	CCGGGC GAAG	CCGGTATCGA	CATTTACAAC
E_billingiae	GTTATCAAAG	TTAACGAAGA	CGAAATGTAC	CCAGGC GAAG	CCGGTATCGA	CATTTACAAC
E_endophytica	GTTATCAAAG	TTAACGAAGA	CGAGATGTAC	CCAGGC GAAG	CCGGTATCGA	TATTTACAAC
E_iniecta	GTTATTAAAG	TTAACGAAGA	CGAAATGTAT	CCGGGC GAAG	CCGGTATCGA	TATTTACAAC
E_mallotivora	GTTATTAAAG	TTCAATGAAGA	TGAGATGTAC	CCGGGC GAAG	CCGGTATCGA	CATCTACAAC
E_oleae	GTTATTAAAG	TTAACGAAGA	CGAAATGTAT	GCAAGC GAAG	CTGGTATCGA	TATCTACAAC
E_persicina	GTTATTAAAG	TTAACGAAGA	CGAAATGTAT	CCGGGC GAAG	CCGGTATCGA	CATTTACAAC
E_phyllosphaerae	GTTATTAAAG	TTAACGAAGA	CGAAATGTAC	CCGGGC GAAG	CCGGTATCGA	CATTTACAAC
E_piriflorinigrans	GTTATCAAAG	TTAACGAAGA	CGAAATGCAC	GCTGGC GAAG	CCGGTATCGA	TATTTACAAC
E_psidii	GTTATCAAAG	TTAACGAAGA	CGAGATGTAT	CCTGGC GAAG	CCGGTATCGA	CATTTACAAC
E_pyrifoliae	GTTATTAAAG	TTAACGAAGA	CGAAATGTAC	CCGGGC GAAG	CCGGTATCGA	CATTTACAAT
E_rhapontici	GTTATTAAAG	TTAACGAAGA	CGAAATGCAT	TCITGGC GAAG	CCGGTATCGA	CATTTACAAC
E_tasmaniensis	GTTATTAAAG	TTAACGAAGA	CGAAATGTAT	CCITGGC GAAG	CCGGTATCGA	CATTTATAAC
E_tracheiphila	GTTATCAAAG	TTAACGAAGA	CGAAATGTAC	CCGGGC GAAG	CCGGTATCGA	CATCTATAAC
E_typographi	GTTATCAAAG	TTAACGAAGA	CGAAATGTAC	CCGGGC GAAG	CCGGTATCGA	CATTTACAAC
P_agglomerans	GTTATCAAAG	TTAACGAAGA	CGAAATGCAT	GCTGGC GAAG	CCGGTATCGA	CATCTACAAC
P_beijingensis	GTTATCAAAG	TTAACGAAGA	CGAAATGTAT	CCGGGTGAAG	CGGGTATCGA	CATTTACAAC
P_dispersa	GTTATCAAAG	TTAACGAAGA	CGAGATGTAT	CCGGGC GAAG	CAGGTATCGA	CATCTACAAC
P_eucalypti	GTTATCAAAG	TGAACGAAGA	CGAAATGCAT	GCTGGC GAAG	CCGGTATCGA	CATTTATAAC
E_sorbitola	GTTATTAAAG	TTAACGAAGA	CGAAATGCAT	TCITGGC GAAG	CCGGTATCGA	TATTTACAAC
E_toletana	GTTATCAAAG	TTAACGAAGA	CGAAATGTAT	CCGGGC GAAG	CCGGTATCGA	CATCTACAAC
unknown_DE2	GTTATCAAAG	TTAACGAAGA	CGAAATGTAT	CCGGGC GAAG	CGGGTATCGA	CATTTACAAC
unknown_E602	GTTATCAAAG	TTAACGAAGA	CGAGATGTAC	CCITGGC GAAG	CCGGCATCGA	CATCTACAAC
unknown_Ejp617	GTTATTAAAG	TTAACGAAGA	CGAAATGTAC	CCGGGC GAAG	CCGGTATCGA	CATTTACAAT
unknown_QL-Z3	GTTATCAAAG	TTAACGAAGA	CGAAATGTAC	CCGGGC GAAG	CCGGTATCGA	CATTTACAAC

6301

ecoli_K12	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGTATCA	ACCAGATGCC	GTGTGTGTCT
C_E_dadicola	TTGACTAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	TTGCGTGAAC
C_E_haradaeae	CTAACTAAGT	ACACCCGATC	AAATCAAAAC	ACCTGCATCA	ATCAACGACC	ATGCGTTCCAG
E_amylovora	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	GTGTGTCAAC
E_aphidicola	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	TTGCGTGAAC
E_billingiae	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	TTGCGTGAAC
E_endophytica	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGTATCA	ACCAGATGCC	GTGTGTCAAC
E_iniecta	CTGACCAAAT	ACACCCGTTT	GAACCAGAAC	ACCTGCATCA	GCCAGATGCC	ATGTGTTAAC
E_mallotivora	CTGACTAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	GTGTGTCAAT
E_oleae	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGTATTA	ATCAGATGCC	ATGCGTCAAC
E_persicina	CTGACCAAAT	ATACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	TTGCGTGAAC
E_phyllosphaerae	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGTATCA	ACCAGATGCC	GTGTGTCAAC
E_piriflorinigrans	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	GTGTGTCAAC
E_psidii	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGTATCA	ACCAGATGCC	GTGTGTCAAC
E_pyrifoliae	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	GTGTGTCAAC
E_rhapontici	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	TTGCGTGAAC
E_tasmaniensis	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	GTGTGTCAAC
E_tracheiphila	CTGACCAAAT	ACACCCGTTT	CAACCAGAAC	ACCTGTATCA	ACCAGATGCC	ATGTGTCAAC
E_typographi	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	TTGCGTGAAC
P_agglomerans	CTGACCAAAT	ATACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	ATGTGTTTCT
P_beijingensis	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ATCAGATGCC	GTGTGTCAAT
P_dispersa	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	GTGTGTTTCT
P_eucalypti	CTGACCAAAT	ATACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	ATGTGTTTCT
E_sorbitola	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	ATGTGTGAAT
E_toletana	CTGACCAAAT	ACACCCGTTT	GAACCAGAAC	ACCTGCATCA	GCCAGATGCC	GTGTGTCAAC
unknown_DE2	CTGACCAAAT	ATACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	TTGCGTGAAC
unknown_E602	CTGACCAAAT	ACACCCGTTT	GAACCAGAAC	ACCTGCATCA	ACCAGATGCC	ATGCGTGAAC
unknown_Ejp617	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	GTGTGTCAAC
unknown_QL-Z3	CTGACCAAAT	ACACCCGTTT	TAACCAGAAC	ACCTGCATCA	ACCAGATGCC	TTGCGTGAAC

6361

ecoli_K12	CTGGGTGAAC	CGGTTGAACG	TGGCGACGTG	CTGGCAGACG	GTCCGTCCAC	CGACCTCGGT
C_E_dadicola	CTAGGTGAGC	CAATTGAACG	TGGTGATGTG	CTGGCTGATG	GTCCCTTCAAC	TGACCTCGGC
C_E_haradaeae	CTTGGTGAAC	AAATTCAAAA	AAATGATGTT	CTAGCAGATG	GACCTGCAAC	TGACCTTGGT
E_amylovora	CTGGGCGAAC	CGATTGAACG	CGGTGATGTG	CTGGCTGATG	GTCCCTTCAAC	CGACCTCGGC
E_aphidicola	CTGGGTGAGC	CAATTGAACG	TGGTGATGTG	CTGGCTGATG	GTCCCTTCAAC	CGACCTCGGC
E_billingiae	CTGGGTGAGC	CAATTGAACG	TGGTGATGTG	CTGGCTGATG	GTCCCTTCAAC	GGATCTCGGC
E_endophytica	CTGGGCGAAC	CAGTTGAACG	TGGCGATGTG	TTGGCTGATG	GTCCGTCAAC	GGATCTGGGC
E_iniecta	CTGGGCGAGC	CGATTGAACG	TGGCGATGTG	CTGGCTGATG	GCCCGTCTAC	CGATCTCGGT
E_mallotivora	CTGGGCGAAC	CGATTGAACG	CGGTGACGTG	CTGGCTGATG	GTCCCTTCAAC	GGATCTGGGC
E_oleae	CTGGGCGAAC	CGATCGAGCG	CGGCAGCGTG	CTGGCTGACG	GTCCGTCCAC	GGATCTGGGC
E_persicina	CTGGGTGAGC	CAATCGAACG	TGGTGATGTG	CTGGCTGATG	GCCCTTCAAC	CGATCTCGGC
E_phyllosphaerae	CTGGGCGAAC	CAATTGAACG	TGGTGACGTG	CTGGCCGATG	GTCCCTTCAAC	GGATCTGGGT
E_piriflorinigrans	CTGGGCGAAC	CGATTGAACG	CGGTGACGTG	CTGGCTGATG	GTCCCTTCAAC	GGATCTCGGC
E_psidii	CTGGGCGAGC	CGATTGAACG	TGGTGACGTG	CTGGCCGATG	GTCCCTTCAAC	GGATCTGGGC
E_pyrifoliae	CTGGGTGAAC	CGATTGAACG	CGGTGACGTG	CTGGCTGATG	GTCCCTTCAAC	CGACCTTGGC
E_rhapontici	CTGGGTGAAC	CAATTGAACG	TGGTGATGTG	CTGGCTGATG	GTCCCTTCAAC	CGACCTCGGT
E_tasmaniensis	CTGGGTGAAC	CGATTGAACG	TGGTGACGTG	CTGGCTGATG	GTCCCTTCAAC	GGATCTCGGC
E_tracheiphila	CTGGGGGAGC	CAGTTGAACG	TGATGATGTG	CTGGCTGATG	GTCCCTTCTAC	GGATCTCGGC
E_typographi	CTGGGTGAAC	CAATTGAACG	TGGTGACGTG	CTGGCTGACG	GTCCCTTCAAC	GGATCTCGGC
P_agglomerans	CTGGGTGAGC	CGGTGAGCG	CGGCAGCGTG	CTGGCAGATG	GCCCGTCCAC	CGATCTGGGT
P_beijingensis	CTGGGTGAGC	CAATCGAGCG	CGGCAGCGTG	CTGGCAGATG	GCCCATCTAC	CGATCTGGGT
P_dispersa	CTGGGTGAAC	CTATCGAGCG	TGGCGACGTG	CTGGCTGACG	GCCCGTCTAC	CGACCTCGGT
P_eucalypti	CTGGGTGAGC	CGGTGAGCG	CGGCAGCGTG	CTGGCAGATG	GCCCGTCCAC	CGATCTGGGT
E_sorbitola	CTGGGTGAAC	CAATTGAGCG	TGGTGATGTG	CTGGCTGATG	GTCCCTTCAAC	CGACCTCGGC
E_toletana	CTGGGCGAGC	CGATTGAACG	TGGCGATGTG	CTGGCTGATG	GCCCGTCTAC	CGATCTCGGT
unknown_DE2	CTGGGTGAGC	CAATTGAACG	TGGTGACGTG	CTGGCTGATG	GTCCCTTCAAC	GGATCTCGGC
unknown_E602	CTGGGCGAAC	CGATTGAACG	TGGCGACGTG	CTGGCTGACG	GTCCCTTCAAC	CGACCTCGGC
unknown_Ejp617	CTGGGTGAAC	CGATTGAACG	CGGTGACGTG	CTGGCTGATG	GTCCCTTCAAC	CGACCTTGGC
unknown_QL-Z3	CTGGGTGAGC	CAATTGAACG	TGGTGATGTG	CTGGCTGATG	GTCCCTTCAAC	GGATCTCGGC

6421

ecoli_K12	GAACTGGGCG	TGGTTCAGAA	CATGCGCGTA	GCGTTTCATGC	CGTGGAATGG	TTACAACCTTC
C_E_dadicola	GAACTGGCAC	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CATGGAATGG	CTACAACCTTC
C_E_haradaeae	GAGCTGGCAT	TAGGTCAAAA	TATGCGGGTG	GCTTTTATGC	CTTGGAATGG	ATACAATTTT
E_amylovora	GAACTGGGTC	TGGGCCAGAA	CATGCGCGTG	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_aphidicola	GAACTGGCAC	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_billingiae	GAACTGGCAC	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CTTGGAACGG	CTACAACCTTC
E_endophytica	GAACTGGGCG	TGGTTCAGAA	CATGCGCGTT	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_iniecta	GAACTGGGCG	TGGTTCAGAA	CATGCGCGTG	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_mallotivora	GAACTGGGTC	TGGGCCAGAA	TATGCGCGTG	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_oleae	GAGCTGGGCG	TGGGCCAGAA	CATGCGCGTG	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_persicina	GAACTGGCAC	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_phyllosphaerae	GAGCTGGGCG	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_piriflorinigrans	GAACTGGGTC	TGGGCCAGAA	CATGCGCGTG	GCAITTCATGC	CTTGGAACGG	CTACAACCTTC
E_psidii	GAACTGGCAC	TGGTTCAGAA	TATGCGCGTC	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_pyrifoliae	GAACTGGCAC	TGGTTCAGAA	TATGCGCGTG	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_rhapontici	GAACTGGCAC	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_tasmaniensis	GAACTGGGCG	TGGTTCAGAA	CATGCGCGTG	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_tracheiphila	GAACTGGCAC	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_typographi	GAACTGGGCG	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
P_agglomerans	GAACTGGCAC	TGGGCCAGAA	CATGCGCGTA	GCGTTTCATGC	CGTGGAACGG	TTACAACCTTC
P_beijingensis	GAACTGGGCG	TGGGCCAGAA	CATGCGCGTG	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
P_dispersa	GAGCTGGGCG	TGGTTCAGAA	CATGCGCGTG	GCGTTTCATGC	CATGGAACGG	TTACAACCTTC
P_eucalypti	GAACTGGCAC	TGGGCCAGAA	CATGCGCGTA	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_sorbitola	GAACTGGCAC	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
E_toletana	GAACTGGGCG	TGGTTCAGAA	CATGCGCGTG	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
unknown_DE2	GAACTGGGCG	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
unknown_E602	GAACTGGGTC	TGGGCCAGAA	CATGCGCGTA	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
unknown_Ejp617	GAACTGGCAC	TGGTTCAGAA	CATGCGCGTG	GCGTTTCATGC	CGTGGAACGG	CTACAACCTTC
unknown_QL-Z3	GAACTGGCAC	TGGTTCAGAA	CATGCGCGTC	GCGTTTCATGC	CTTGGAACGG	CTACAACCTTC

6481

ecoli_K12	GAAGACTCCA	TCCTCGTATC	CGAGCGGTGT	GTTCAAGGAAG	ACCGTTTTCAC	CACCATCCAC
C_E_dadicola	GAAGACTCCA	TCCTAGTCTC	CGAGCGCGTG	GTACAGGAAG	ATCGCTTTCAC	TACAATCCAC
C_E_haradaeae	GAAGATTCCA	TATTAATATC	GGAACGCGTT	GTTCAAGGAAG	ATCGTTTTCAC	TACTATTTCAT
E_amylovora	GAAGACTCCA	TCCTGGTCTC	CGAGCGCGTG	GTTCAAGGAAG	ATCGCTTTTAC	CACTATCCAC
E_aphidicola	GAAGACTCCA	TCCTGGTCTC	CGAGCGCGTG	GTACAGGAAG	ATCGCTTTCAC	AACAATCCAC
E_billingiae	GAAGACTCCA	TCTTAGTCTC	CGAGCGGTGT	GTACAGGAAG	ATCGCTTTCAC	CACCATCCAC
E_endophytica	GAAGACTCAA	TTTTAGTCTC	TGAACGCGTG	GTACAGGAAG	ATCGCTTTCAC	GACCATTTCAT
E_iniecta	GAAGACTCCA	TCTTAGTCTC	CGAGCGCGTA	GTACAGGAAG	ATCGCTTTCAC	TACCATCCAC
E_mallotivora	GAAGACTCCA	TTTTAGTCTC	CGAGCGGTGT	GTGCAGGAAG	ATCGCTTTCAC	CACCATCCAC
E_oleae	GAAGACTCCA	TTTTAGTCTC	CGAGCGCGTG	GTTCAAGGAAG	ATCGCTTTCAC	CACCATCCAC
E_persicina	GAAGACTCCA	TTCTGGTCTC	GGAGCGCGTT	GTTCAAGGAAG	ATCGCTTTCAC	CACTATCCAC
E_phyllosphaerae	GAAGACTCCA	TTCTGGTCTC	CGAGCGCGTG	GTACAGGAAG	ATCGCTTTCAC	CACCATCCAC
E_piriflorinigrans	GAAGACTCCA	TCTTAGTCTC	CGAGCGCGTG	GTTCAAGGAAG	ATCGCTTTCAC	CACTATCCAC
E_psidii	GAAGACTCCA	TCCTGGTCTC	CGAGCGCGTG	GTACAGGAAG	ATCGCTTTCAC	TACCATCCAC
E_pyrifoliae	GAAGACTCCA	TCTTAGTCTC	CGAGCGCGTG	GTACAGGAAG	ATCGCTTTTAC	CACTATCCAC
E_rhapontici	GAAGACTCCA	TCTTAGTCTC	CGAGCGGTGT	GTACAGGAAG	ATCGCTTTCAC	CACTATCCAC
E_tasmaniensis	GAAGACTCCA	TCCTGGTCTC	CGAGCGCGTG	GTTCAAGGAAG	ATCGCTTTTAC	CACTATCCAT
E_tracheiphila	GAAGACTCCA	TTCTCGTCTC	CGAGCGAGTG	GTACAGGAAG	ATCGTTTTCAC	CACTATCCAC
E_typographi	GAAGACTCCA	TCTTAGTCTC	CGAGCGCGTG	GTACAGGAAG	ATCGCTTTCAC	CACCATCCAC
P_agglomerans	GAAGACTCCA	TCCTGGTCTC	CGAGCGGTGT	GTTCAAGGAAG	ATCGCTTTTAC	GACTATCCAC
P_beijingensis	GAAGACTCCA	TCCTGGTCTC	CGAACGCGTA	GTACAGGAAG	ATCGCTTTCAC	TACTATCCAC
P_dispersa	GAAGACTCCA	TCCTCGTTTC	TGAGCGTGTA	GTACAGGAAG	ACCGTTTTCAC	CACCATCCAC
P_eucalypti	GAAGACTCCA	TCTTAGTCTC	CGAGCGGTGT	GTTCAAGGAAG	ATCGCTTTTAC	GACTATCCAT
E_sorbitola	GAAGACTCCA	TCTTAGTCTC	CGAGCGCGTA	GTACAGGAAG	ACCGCTTTCAC	TACTATCCAC
E_toletana	GAAGACTCCA	TCTTAGTCTC	CGAGCGCGTA	GTACAGGAAG	ATCGCTTTCAC	GACCATCCAC
unknown_DE2	GAAGACTCCA	TTTTGGTCTC	CGAGCGCGTG	GTACAGGAAG	ATCGCTTTCAC	CACTATCCAC
unknown_E602	GAAGACTCCA	TCTTAGTCTC	CGAGCGCGTA	GTACAGGAAG	ACCGCTTTCAC	CACCATCCAC
unknown_Ejp617	GAAGACTCCA	TCTTAGTCTC	CGAGCGCGTG	GTACAGGAAG	ATCGCTTTTAC	CACTATCCAC
unknown_QL-Z3	GAAGACTCCA	TCTTAGTCTC	CGAGCGGTGT	GTACAGGAAG	ATCGCTTTCAC	CACCATCCAC

6541

ecoli_K12	ATTCAGGAAC	TGGCGTGTGT	GTCCCCTGAC	ACCAAGCTGG	GTCCGGAAGA	GATCACCCTT
C_E_dadicola	ATCCAGGAAC	TGGCATGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
C_E_haradaeae	ATTCAGGAAC	TAGCCTGTAT	TTCACGTGAC	ACAAAAGTAG	GTCCAGGAAGA	GATCACCCTT
E_amylovora	ATTCAGGAAC	TGGCCTGCGT	GTCCGCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_aphidicola	ATCCAGGAAC	TGGCATGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_billingiae	ATTCAGGAAC	TGGCATGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_endophytica	ATTCAGGAAC	TGGCCTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_iniecta	ATTCAGGAAC	TGGCATGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_mallotivora	ATTCAGGAAC	TGGCCTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_oleae	ATTCAGGAAC	TGGCCTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_persicina	ATTCAGGAAC	TGGCGTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_phyllosphaerae	ATTCAGGAAC	TGGCGTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_piriflorinigrans	ATTCAGGAAC	TGGCGTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_psidii	ATTCAGGAAC	TGGCATGTGT	GTCCCCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_pyrifoliae	ATTCAGGAAC	TGGCCTGTGT	GTCCGCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_rhapontici	ATCCAGGAAC	TGGCATGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_tasmaniensis	ATTCAGGAAC	TGGCCTGTGT	GTCCGCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_tracheiphila	ATCCAGGAAC	TGGCATGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_typographi	ATTCAGGAAC	TGGCGTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
P_agglomerans	ATTCAGGAAC	TGGCCTGTGT	GTCCGCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
P_beijingensis	ATTCAGGAAC	TGGCCTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
P_dispersa	ATTCAGGAAC	TGGCCTGTGT	GTCCGCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
P_eucalypti	ATTCAGGAAC	TGGCCTGTGT	GTCCGCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_sorbitola	ATCCAGGAAC	TGGCATGTGT	GTCCGCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
E_toletana	ATTCAGGAAC	TGGCATGTGT	GTCCGCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
unknown_DE2	ATTCAGGAAC	TGGCCTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
unknown_E602	ATCCAGGAAC	TGGCCTGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
unknown_Ejp617	ATTCAGGAAC	TGGCCTGTGT	GTCCGCTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT
unknown_QL-Z3	ATTCAGGAAC	TGGCATGTGT	GTCTCGTGAC	ACCAAGCTGG	GGCCGGAAGA	GATCACCCTT

6601

ecoli_K12	GACATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCCAAAGCTGG	ATGAATCCGG	TATCGTTTAC
C_E_dacicola	GACATTCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCCAAAGCTGG	ATGAATCCGG	TATCGTGTAT
C_E_haradaeae	GATATCCCTA	ATGTGGGCGA	AGCTGCTCTC	TCTAAAGCTAG	ACGAGTCAGG	TATTGTATAT
E_amylovora	GATATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCTAAACTGG	ATGAGTCCGG	TATCGTGTAC
E_aphidicola	GACATTCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCCAAACTGG	ATGAATCCGG	TATCGTGTAT
E_billingiae	GACATCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCCAAAGCTGG	ATGAATCCGG	TATCGTTTAT
E_endophytica	GACATCCCTA	ATGTGGGGGA	AGCTGCGCTC	TCTAAACTGG	ATGAGTCCGG	TATTGTGTAT
E_iniecta	GATATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCCAAACTGG	ATGAGTCCGG	TATCGTGTAT
E_mallotivora	GATATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCTAAACTGG	ATGAGTCCGG	TATTGTCTAT
E_oleae	GACATCCCTA	ATGTGGGTGA	AGCTGCGCTC	TCTAAACTGG	ATGAGTCAGG	CATCGTTTAC
E_persicina	GACATCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCTAAACTGG	ATGAGTCCGG	TATCGTGTAT
E_phyllosphaerae	GACATCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCCAAAGCTGG	ATGAATCCGG	TATCGTCTAT
E_piriflorinigrans	GATATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCCAAAGCTGG	ATGAGTCCGG	TATCGTGTAT
E_psidii	GATATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCCAAACTGG	ATGAATCCGG	TATCGTGTAT
E_pyrifoliae	GATATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCCAAACTGG	ATGAGTCCGG	TATCGTCTAT
E_rhapontici	GACATCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCTAAACTGG	ATGAGTCCGG	TATCGTGTAC
E_tasmaniensis	GATATCCCGA	ACGTGGGTGA	GGCTGCCTC	TCCAAACTGG	ATGAGTCCGG	TATCGTGTAC
E_tracheiphila	GACATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCTAAACTGG	ATGAATCCGG	TATCGTGTAT
E_typographi	GACATCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCTAAAGCTGG	ATGAGTCCGG	TATCGTGTAT
P_agglomerans	GATATCCCGA	ACGTGGGTGA	AGCTGCCTC	TCTAAACTGG	ATGAGTCAGG	CATCGTCTAC
P_beijingensis	GATATCCCGA	ACGTGGGTGA	AGCTGCCTC	TCTAAACTGG	ATGAATCCGG	TATTGTGTAC
P_dispersa	GACATCCCGA	ACGTGGGTGA	AGCTGCCTC	TCCAAACTGG	ATGAATCCGG	CATCGTGTAT
P_eucalypti	GATATCCCGA	ACGTGGGTGA	AGCTGCCTC	TCTAAACTGG	ATGAGTCAGG	CATTGTCTAC
E_sorbitola	GACATCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCCAAACTGG	ATGAATCCGG	TATCGTGTAT
E_toletana	GATATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCCAAACTGG	ATGAGTCCGG	TATCGTGTAT
unknown_DE2	GACATCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCTAAACTGG	ATGAGTCCGG	TATCGTCTAT
unknown_E602	GACATCCCTA	ACGTGGGTGA	GGCTGCGCTC	TCCAAAGCTGG	ATGAGTCTGG	TATCGTTTAT
unknown_Ejp617	GATATCCCGA	ACGTGGGTGA	AGCTGCGCTC	TCCAAACTGG	ATGAGTCCGG	TATCGTGTAC
unknown_QL-Z3	GACATCCCTA	ACGTGGGTGA	AGCTGCGCTC	TCCAAAGCTGG	ATGAATCCGG	TATCGTTTAT

6661

ecoli_K12	ATTGGTGGCG	AAGTGACCGG	TGGCGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
C_E_dacicola	ATCGGTGGCG	AAGTGACCGG	TGGTGACATT	CTAGTTGGTA	AGGTAACGCC	GAAAGGTGAA
C_E_haradaeae	ATCGGTGGCG	AAGTAAAAGG	GGGAGACATT	CTTGTITGGAA	AGGTAACGCC	AAAAGGTGAA
E_amylovora	ATCGGTGCTG	AAGTGACCGG	CGGTGACATC	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
E_aphidicola	ATCGGTGGCG	AAGTGACCGG	TGGTGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
E_billingiae	ATCGGTGCTG	AAGTGACCGG	CGGCGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
E_endophytica	ATCGGTGCTG	AAGTGACCGG	TGGCGACATC	CTGGTTGGCA	AAGTAACGCC	GAAAGGCGAG
E_iniecta	ATCGGTGCAG	AAGTGACCGG	TGGCGACATT	CTGGTTGGTA	AGGTTACGCC	GAAAGGTGAA
E_mallotivora	ATTGGTGCAG	AAGTGACCGG	TGGCGACATT	CTGGTAGGTA	AAGTGACGCC	GAAAGGTGAA
E_oleae	ATCGGTGGCG	AAGTGACCGG	CGGCGACATT	CTGGTTGGTA	AGGTTACGCC	GAAAGGTGAA
E_persicina	ATCGGTGGCG	AAGTGACCGG	TGGGGACATT	CTGGTTGGTA	AGGTAACGCC	TAAAGGTGAA
E_phyllosphaerae	ATCGGTGCTG	AAGTGACCGG	CGGCGACATT	CTGGTCGGTA	AGGTAACGCC	TAAAGGCGAA
E_piriflorinigrans	ATCGGTGCTG	AAGTGACCGG	CGGCGACATT	CTGGTTGGTA	AGGTTACACC	GAAAGGTGAA
E_psidii	ATCGGTGGCG	AAGTGACCGG	CGGTGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
E_pyrifoliae	ATCGGTGGCG	AAGTAAACGG	TGGTGACATT	CTGGTCGGTA	AGGTAACGCC	GAAAGGTGAA
E_rhapontici	ATCGGTGGCG	AAGTGACTGG	CGGTGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
E_tasmaniensis	ATCGGTGCTG	AAGTGACCGG	TGGTGACATT	CTGGTTGGTA	AGGTGACGCC	GAAAGGTGAA
E_tracheiphila	ATCGGTGGCG	AAGTGACCGG	TGGCGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
E_typographi	ATCGGTGGCG	AAGTGACCGG	CGGTGACATT	CTGGTTGGTA	AGGTTACGCC	GAAGGGTGAA
P_agglomerans	ATCGGTGCTG	AAGTGACCGG	TGGTGACATT	CTGGTTGGTA	AGGTTACGCC	AAAAGGTGAA
P_beijingensis	ATCGGTGGCG	AAGTGACCGG	TGGCGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
P_dispersa	ATCGGTGGCG	AAGTGACCGG	TGGCGACATT	CTGGTAGGCA	AGGTGACGCC	GAAAGGTGAA
P_eucalypti	ATCGGTGCTG	AAGTGACCGG	TGGTGACATT	CTGGTTGGTA	AGGTACGCC	GAAAGGTGAG
E_sorbitola	ATCGGTGGCG	AAGTGACCGG	TGGCGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
E_toletana	ATCGGTGCTG	AAGTGACCGG	TGGCGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
unknown_DE2	ATCGGTGCTG	AAGTGACCGG	TGGCGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA
unknown_E602	ATCGGTGCAG	AAGTGACCGG	TGGCGACATT	CTGGTTGGTA	AGGTAACGCC	GAAGGGTGAA
unknown_Ejp617	ATCGGTGCTG	AAGTGACCGG	TGGTGACATT	CTGGTCGGTA	AGGTACGCC	GAAAGGTGAA
unknown_QL-Z3	ATCGGTGCTG	AAGTGACCGG	CGGCGACATT	CTGGTTGGTA	AGGTAACGCC	GAAAGGTGAA

6721

ecoli_K12	ACTCAGCTGA	CCCCAGAAGA	AAAACTGCTG	CGTGCATCT	TCCGTGAGAA	AGCCTCTGAC
C_E_dacicola	ACCCAGCTAA	CGCCAGAAGA	AAAACTGCTA	CGTGCCATCT	TCCGTGAGAA	AGCGTCTGAT
C_E_haradaeae	ACTCAACTTA	CACCAGAAGA	AAAGCTCCTA	CGAGCGATTT	TTGGAGAGAA	AGCCTCTGAT
E_amylovora	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTG	CGCGCTATTT	TCCGTGAGAA	AGCGTCTGAC
E_aphidicola	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTG	CGTGCCATCT	TCCGTGAGAA	AGCGTCTGAC
E_billingiae	ACCCAGCTGA	CGCCAGAAGA	GAAGCTGTTA	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAC
E_endophytica	ACTCAGCTGA	CGCCGGAAGA	GAAGCTGTTG	CGCGCGATCT	TCCGTGAGAA	AGCGTCTGAC
E_iniecta	ACCCAGCTGA	CGCCAGAAGA	GAAGCTGCTG	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAC
E_mallotivora	ACCCAGCTGA	CGCCAGAAGA	GAAGCTGCTG	CGTGCATCT	TCCGTGAGAA	AGCCTCTGAC
E_oleae	ACCCAGCTGA	CGCCGGAAGA	GAAACTGTTG	CGTGCATCT	TTCGGCGAGAA	AGCGTCTGAC
E_persicina	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTG	CGTGCATCT	TCCGTGAAAA	AGCGTCTGAC
E_phyllosphaerae	ACCCAGCTGA	CGCCAGAAGA	AAAACTGCTG	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAC
E_piriflorinigrans	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTG	CGTGCTATTT	TCCGGCGAGAA	AGCGTCTGAC
E_psidii	ACCCAGCTGA	CGCCGGAAGA	GAAGCTGCTG	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAT
E_pyrifoliae	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTG	CGCGCTATTT	TCCGTGAGAA	AGCGTCTGAC
E_rhapontici	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTG	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAC
E_tasmaniensis	ACCCAACTGA	CGCCAGAAGA	GAAACTGCTG	CGTGCTATTT	TCCGGCGAGAA	AGCGTCTGAC
E_tracheiphila	ACCCAGCTGA	CCCCAGAAGA	GAAGCTGCTG	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAT
E_typographi	ACCCAGCTGA	CGCCAGAAGA	GAAGCTGCTG	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAC
P_agglomerans	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTG	CGCGCTATCT	TCCGTGAAAA	AGCCTCTGAC
P_beijingensis	ACCCAACTGA	CGCCAGAAGA	GAAACTGCTG	CGTGCCATCT	TTGGTGAGAA	AGCGTCTGAT
P_dispersa	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTA	CGTGCATCT	TCCGTGAAAA	AGCCTCTGAC
P_eucalypti	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTG	CGCGCTATCT	TCCGTGAAAA	AGCCTCTGAC
E_sorbitola	ACCCAGCTGA	CGCCAGAAGA	GAAACTGCTG	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAT
E_toletana	ACCCAGCTGA	CGCCAGAAGA	GAAGCTGCTG	CGTGCATCT	TTCGGTGAGAA	AGCGTCTGAT
unknown_DE2	ACCCAGCTGA	CGCCAGAAGA	GAAGCTGCTG	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAC
unknown_E602	ACTCAGCTGA	CGCCAGAAGA	GAAGCTGCTG	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAC
unknown_Ejp617	ACCCAGCTGA	CGCCAGAAGA	GAAGCTGCTG	CGCGCTATTT	TCCGTGAGAA	AGCGTCTGAC
unknown_QL-Z3	ACCCAGCTGA	CGCCAGAAGA	GAAGCTGTTA	CGTGCATCT	TCCGTGAGAA	AGCGTCTGAC

6781

ecoli_K12	GTTAAAGACT	CTTCTCTGCG	CGTACCAAAC	GGTGTATCCG	GTACGGTTAT	CGACGTTTCAG
C_E_dacicola	GTTAAAGACT	CTTCTCTGCG	CGTACCAAAC	GGCGTGTCTG	GTACCAATTAT	CGACGTTTCAG
C_E_haradaeae	GTCAAAGATT	CTTCTTTTAC	AGTTCCAAAT	GGAGTGACAG	GAACCTTAAT	CGATGTTCAA
E_amylovora	GTTAAAGACT	CTTCTCTGCG	CGTACCGAAC	GGCGTGTTCAG	GTACCGTTTAT	CGACGTTTCAG
E_aphidicola	GTTAAAGACT	CTTCTCTGCG	CGTACCAAAC	GGCGTGTCTG	GTACCAATTAT	CGACGTTTCAG
E_billingiae	GTTAAAGACT	CTTCTCTGCG	CGTACCAAAC	GGCGTATTCAG	GCACCAATTAT	TGATGTGTCAG
E_endophytica	GTTAAGGACT	CTTCTCTGCG	TGTGCCGAAC	GGCGTGTCTG	GTACGGTTTAT	TGATGTGTCAG
E_iniecta	GTTAAAGACT	CTTCTCTGCG	CGTACCAAAT	GGTGTCTCCG	GTACCGTTTAT	CGATGTTTCAG
E_mallotivora	GTTAAAGACT	CTTCTCTGCG	CGTGCCAAAC	GGCGTGTTCAG	GTACGGTTCAT	TGACGTTCAG
E_oleae	GTTAAAGACT	CTTCTCTGCG	CGTACCAAAC	GGCGTGTCCG	GTACGGTTTAT	CGACGTTCAG
E_persicina	GTTAAAGACT	CTTCTCTGCG	CGTACCAAAC	GGTGTGTTCAG	GGACAATCAT	CGACGTTCAG
E_phyllosphaerae	GTTAAAGACT	CTTCTCTGCG	TGTACCAAAC	GGCGTGTCCG	GTACCGTTTAT	CGACGTTCAG
E_piriflorinigrans	GTTAAAGACT	CTTCTCTGCG	CGTACCGAAC	GGCGTTTCAG	GTACCGTTTAT	CGACGTTTCAG
E_psidii	GTGAAAAGACT	CTTCTCTGCG	TGTACCGAAC	GGCGTGTCCG	GTACCGTTTAT	CGACGTTCAG
E_pyrifoliae	GTTAAGGACT	CTTCTCTGCG	TGTACCGAAC	GGCGTTTCAG	GTACCGTTTAT	CGACGTTCAG
E_rhapontici	GTTAAAGATT	CTTCTCTGCG	TGTACCAAAC	GGCGTGTCTG	GCACCATCAT	CGACGTTTCAG
E_tasmaniensis	GTTAAAGACT	CTTCTCTGCG	CGTACCGAAC	GGCGTTTCAG	GTACCGTTTAT	CGACGTTCAG
E_tracheiphila	GTTAAAGACT	CTTCTCTGCG	CGTGCCAAAT	GGCGTGTCTG	GTACCGTTTAT	TGATGTGTCAG
E_typographi	GTTAAAGACT	CTTCTCTGCG	CGTACCAAAC	GGCGTGTCCG	GTACGGTTTAT	TGACGTTCAG
P_agglomerans	GTGAAAAGATT	CGTCACTGCG	CGTACCGAAT	GGCGTGTTCAG	GCACCGTGAT	CGACGTTTCAG
P_beijingensis	GTTAAAGATT	CTTCTTTTGC	CGTGCCAAAC	GGCGTATCTG	GTACGGTTTAT	CGACGTTCAG
P_dispersa	GTGAAAAGACT	CGTCACTGCG	CGTGCCAAAC	GGCGTTTCAG	GTACGGTTTAT	CGACGTTCAG
P_eucalypti	GTGAAAAGATT	CGTCACTGCG	CGTACCGAAT	GGCGTGTTCAG	GCACCGTGAT	TGACGTTCAG
E_sorbitola	GTTAAAGACT	CTTCTCTGCG	CGTACCGAAC	GGCGTGTCTG	GTACTGTTTAT	TGACGTTCAG
E_toletana	GTTAAAGACT	CTTCTCTGCG	CGTACCAAAC	GGTGTCTCCG	GTACCGTTTAT	CGACGTTTCAG
unknown_DE2	GTTAAGGACT	CTTCTCTGCG	CGTACCAAAT	GGCGTTTCAG	GTACCGTTTAT	CGACGTTCAG
unknown_E602	GTTAAAGACT	CTTCCCTGCG	CGTGCCTAAC	GGCGTGTTCAG	GTACCGTTTAT	CGACGTTCAG
unknown_Ejp617	GTTAAGGACT	CTTCTCTGCG	TGTACCGAAC	GGCGTTTCAG	GTACCGTTTAT	CGACGTTTCAG
unknown_QL-Z3	GTTAAAGACT	CTTCTCTGCG	TGTACCAAAC	GGCGTATTCAG	GCACCAATTAT	TGATGTGTCAG

6841

ecoli_K12	GTCTTTACTC	GCGATGGCGT	AGAAAAAGAC	AAACGTGCGC	TGGAAATCGA	AGAAATGCAG
C_E_dacicola	GTCTTCACTC	GCGATGGCGT	GGAAAAAGAC	AAACGTGCGC	TGGAAATCGA	AGAGATGCAG
C_E_haradaeae	ATTTTACAC	GCGATGGCGT	AGAAAAAGAT	AAACGCGCTT	TAGAAATTGA	AGAACTACAG
E_amylovora	GTCTTCACCC	GTGACGGTGT	AGAAAAAGAC	AAACGTGCGC	TGGAAATCGA	AGAGATGCAG
E_aphidicola	GTCTTCACCC	GCGATGGCGT	GGAAAAAGAC	AAACGTGCGC	TGGAAATCGA	AGAGATGCAG
E_billingiae	GTCTTCACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGCGCGC	TGGAAATCGA	AGAGATGCAG
E_endophytica	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGTGCCT	TGGAAATCGA	AGAAATGCAG
E_iniecta	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGTGCCT	TGGAAATCGA	AGAGATGCAG
E_mallotivora	GTCTTCACCC	GCGACGGGT	GGAAAAAGAC	AAGCGTGCAC	TGGAAATCGA	AGAGATGCAG
E_oleae	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAACGCGCGC	TGGAAATCGA	AGAAATGCAG
E_persicina	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGTGCCT	TGGAAATCGA	AGAGATGCAG
E_phyllosphaerae	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGCGCGC	TGGAAATCGA	AGAGATGCAG
E_piriflorinigrans	GTCTTCACCC	GTGACGGTGT	GGAAAAAGAC	AAGCGCGCGC	TGGAAATCGA	AGAGATGCAG
E_psidii	GTCTTCACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGTGCCT	TGGAAATCGA	AGAGATGCAG
E_pyrifoliae	GTCTTCACCC	GTGACGGTGT	GGAAAAAGAC	AAACGCGCGC	TGGAAATCGA	AGAGATGCAG
E_rhapontici	GTCTTCACCC	GCGATGGCGT	GGAAAAAGAC	AAACGTGCGC	TGGAAATCGA	AGAGATGCAG
E_tasmaniensis	GTCTTCACCC	GTGACGGTGT	GGAAAAAGAC	AAACGCGCGC	TGGAAATCGA	AGAGATGCAG
E_tracheiphila	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGCGCGC	TGGAAATCGA	AGAGATGCAG
E_typographi	GTCTTCACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGCGCGC	TGGAAATCGA	AGAGATGCAG
P_agglomerans	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGTGCCT	TGGAAATCGA	AGAGATGCAG
P_beijingensis	GTCTTTACTC	GCGATGGTGT	AGAAAAAGAC	AAGCGTGCCT	TGGAAATCGA	AGAGATGCAG
P_dispersa	GTCTTCACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGCGCGC	TGGAAATCGA	AGAGATGCAG
P_eucalypti	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAACGTGCGC	TGGAAATCGA	AGAGATGCAG
E_sorbitola	GTCTTCACCC	GCGATGGCGT	GGAAAAAGAC	AAACGTGCGC	TGGAAATCGA	AGAGATGCAG
E_toletana	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGTGCCT	TGGAAATCGA	AGAGATGCAG
unknown_DE2	GTCTTTACCC	GCGATGGCGT	GGAAAAAGAC	AAGCGCGCGC	TGGAAATCGA	AGAGATGCAG
unknown_E602	GTCTTCACCC	GCGATGGCGT	AGAGAAAGAC	AAGCGCGCGC	TGGAAATCGA	AGAGATGCAG
unknown_Ejp617	GTCTTCACCC	GTGACGGTGT	GGAAAAAGAC	AAACGCGCGC	TGGAAATCGA	AGAGATGCAG
unknown_QL-Z3	GTCTTCACCC	GCGATGGCGT	GGAAAAAGAT	AAGCGCGCGC	TGGAAATCGA	AGAGATGCAG

6901

ecoli_K12	CTCAAAACAGG	CGAAGAAAAGA	CCTGTCTGAA	GAACCTGCAGA	TCCTCGAAGC	GGGCTCTGTTT
C_E_dacicola	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAGTTGCAGA	TCCTCGAAGC	TGGCCTGTTT
C_E_haradaeae	CTCAAAGAAG	CAAAAAAGGA	TTTATCCGAA	CAAGTTAAAA	TTCTTGAAAC	TAGTCTGTTT
E_amylovora	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAGTTGCAGA	TCCTCGAAGC	TGGCCTGTTT
E_aphidicola	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAGTTGCAGA	TCCTCGAAGC	TGGCCTGTTT
E_billingiae	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAATTGCAGA	TCCTCGAAGC	TGGCCTGTTT
E_endophytica	CTTAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAATTGCAGA	TCCTCGAGGC	TGGCTTATTC
E_iniecta	CTGAAGCAGG	CGAAGAAAAGA	CCTGACTGAA	GAACCTGCAGA	TCCTCGAAGC	TGGCCTGTTT
E_mallotivora	CTGAAGCAGG	CGAAAAAAGA	CCTGTCTGAA	GAACCTGCAA	TCCTCGAAGC	GGGCCTGTTT
E_oleae	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAATTGCAGA	TCCTCGAAGC	GGGCCTGTTT
E_persicina	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAATTGCAGA	TCCTCGAAGC	CGGCTTGTTT
E_phyllosphaerae	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAACCTGCAGA	TCCTCGAAGC	TGGCCTGTTT
E_piriflorinigrans	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAATTGCAGA	TCCTCGAAGC	TGGCCTGTTT
E_psidii	TTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAACCTGAAAA	TCCTCGAAGC	TGGCCTGTTT
E_pyrifoliae	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAATTGCAGA	TCCTCGAAGC	TGGCCTGTTT
E_rhapontici	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAACCTGCAA	TCCTCGAAGC	TGGCCTGTTT
E_tasmaniensis	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAATTGCAGA	TCCTCGAAGC	TGGCCTGTTT
E_tracheiphila	CTCAAGCAGG	CGAAAAAAGA	CCTGTCTGAA	GAATTGCAA	TCCTCGAAGC	GGGCCTGTTT
E_typographi	CTGAAGCAGG	CGAAGAAAGGA	CCTGTCTGAA	GAACCTGCAA	TCCTCGAAGC	AGGCCTGTTT
P_agglomerans	CTGAAGCAGG	CCAAGAAAAGA	CCTGTCTGAA	GAACCTGCAGA	TTCTTGAAGC	GGGCCTGTTT
P_beijingensis	CTGAAGCAGG	CCAAGAAAAGA	CCTGTCTGAA	GAACCTGCAGA	TCCTCGAAGC	GGGCTGTTT
P_dispersa	CTGAAGCAGG	CGAAAAAAGA	CCTGTCTGAA	GAACCTGCAGA	TCCTCGAAGC	GGGCCTGTTT
P_eucalypti	CTGAAGCAGG	CCAAAAAAGA	CCTGTCTGAA	GAACCTGCAGA	TTCTTGAAGC	GGGCCTGTTT
E_sorbitola	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAACCTGCAA	TTCTCGAAGC	TGGCCTGTTT
E_toletana	CTGAAGCAGG	CGAAGAAAAGA	CCTGACTGAA	GAACCTGCAGA	TCCTCGAAGC	TGGCCTGTTT
unknown_DE2	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAACCTGCAGA	TCCTCGAAGC	TGGTCTGTTT
unknown_E602	CTGAAGCAGG	CGAAGAAAAGA	GAGCTGAAGA	GAACCTGCAA	TCCTCGAAGC	GGGCCTGTTT
unknown_Ejp617	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAACCTGCAGA	TCCTCGAAGC	TGGCCTGTTT
unknown_QL-Z3	CTGAAGCAGG	CGAAGAAAAGA	CCTGTCTGAA	GAATTGCAGA	TCCTCGAAGC	TGGCCTGTTT

6961

ecoli_K12	AGCCGATCC	GTCGCTGCT	GGTAGCCGGT	GGCGTTGAAG	CTGAGAAGCT	CGACAAACTG
C_E_dacicola	AGCCGCATCA	AATACCTGCT	GGTTGCTGGC	GGTATTGAAA	TGGACAAACT	GGACAAACTG
C_E_haradaeae	AACCGTATTT	ATTACCTACT	CCCTCTTAGT	GGCATTTAAAG	AAGAAAAGGCT	TAAAACTCTT
E_amylovora	AGCCGCATTA	ACTACCTGCT	GGTTTCCGGC	GGCGTCGAAG	CGGAAAAACT	GGACAAGCTG
E_aphidicola	AGCCGCATCA	AATACCTGCT	GGTTGCTGGC	GGTATTGAAG	TGGACAAACT	GGACAAGCTG
E_billingiae	AGCCGTATTA	GCTACCTGCT	GGTTGCCGGT	GGCGTTGAAG	CGGAAAAACT	GGAAAAGCTG
E_endophytica	AGCCGTATTC	ATTACCTGCT	GATTTCCTGGC	GGTATTGAAG	CGGAGAAACT	GGAGAAGCTG
E_iniecta	GCGCGTATTA	ACTACCTGCT	GGTTTCTGGC	GGTGTGAAG	CTGAGAAACT	GGACAAGCTG
E_mallotivora	AGCCGTATCC	ACTACCTGCT	GGTTTCCGGC	GGGGTGAAG	CGGAAAAACT	GGACAAACTG
E_oleae	AGCCGTATTC	AGTACCTACT	GGTTGCCGGC	GGTGTGAAG	CGGAAAAACT	GGACAAGCTG
E_persicina	AGCCGTATTA	ACTACCTGCT	GGTTGCCGGC	GGTGTGAAG	CGGAAAAACT	GGAGAAGCTG
E_phyllosphaerae	AGCCGTATCA	ACTACCTGCT	GGTTTCCGGC	GGCGTTGAAG	CGGAAAAACT	GGACAAGCTG
E_piriflorinigrans	AGCCGTATTA	ACTACCTGCT	GGTTTCTGGC	GGTATTGAAG	CGGAAAAACT	GGATAAGCTT
E_psidii	AGCCGTATCA	ACTACCTGCT	GGTTTCCGGC	GGCGTTGAAG	CGGAAAAACT	GGATAAGCTG
E_pyrifoliae	AGCCGTATCA	ACTACCTGCT	GGTTTCAGGC	GGTATTGAAG	CGGAAAAACT	GGACAAGCTG
E_rhapontici	AGCCGTATTA	ACTACCTGCT	GGTTGCTGGC	GGTGTGAAG	CGGAAAAACT	GGACAAGCTG
E_tasmaniensis	AGCCGTATTA	ACTACCTGCT	GCTTGCTGGC	GGTATTGAAG	CGGAAAAACT	GGACAAGCTG
E_tracheiphila	AGCCGTATTC	ACTACCTGCT	GGTTTCCGGC	GGCGTGAAG	CGGAAAAACT	GGATAATCTG
E_typographi	AGCCGCATCA	ACTACCTGCT	GATTGCCGGT	GGCGTTGAAG	CGGAAAAACT	GGAGAAGCTG
P_agglomerans	AGCCGTATCC	AGAAGCTATT	GATTTCCTGGT	GGCGTTGAAG	CAGACAAACT	GGACAAGCTG
P_beijingensis	AGCCGTATCC	ATTTCGTACT	GGTATCAGGT	GGCGTTGAAG	CTGAGAAGCT	GGACAAACTG
P_dispersa	AGCCGTATCC	AGGCCGCTCT	GATTTCAGGT	GGCGTGAAG	CGGAGAAACT	GGACAAGCTG
P_eucalypti	AGCCGTATTC	AGAAGCTCCT	GATTTCCTGGT	GGCGTTGAAG	CAGACAAACT	GGACAAGCTG
E_sorbitola	AGCCGTATTA	AATACCTGCT	GGTTGCTGGC	GGTGTGAAG	CGGACAAACT	GGACAAGCTG
E_toletana	GCGCGTATCA	ATTACCTGCT	GGTTTCTGGC	GGTGTGAAG	CGGAGAAACT	GGACAAGCTG
unknown_DE2	AGCCGTATCA	ACTACCTGCT	GGTTGCAGGC	GGCGTTGAAG	CGGAAAAACT	GGACAAGCTG
unknown_E602	AGCCGTATTC	AATACCTGCT	GGTTGCCGGC	GGTGTGAAG	CGGACAAACT	GGACAAGCTG
unknown_Ejp617	AGCCGTATTA	ACTACCTGCT	GGTTTCCGGC	GGTGTGAAG	CGGAAAAACT	GGACAAGCTG
unknown_QL-Z3	AGCCGTATTA	GCTACCTGCT	GGTTGCCGGT	GGCGTTGAAG	CGGAAAAACT	GGAAAAGCTG

7021

ecoli_K12	CCGCGCGATC	GCTGGCTGGA	GCTGGGCCTG	ACAGACGAAG	AGAAACAAAA	TCAGCTGGAA
C_E_dacicola	CCACGTGACC	GCTGGCTGGA	ACTTGGCCTG	ACCGACGAAG	AGAAACAGAA	CCAGCTGGAA
C_E_haradaeae	CCTCGATCTC	GATGGCTAGA	AAATTGACCTA	ATAAAATGAAG	AAAAACAAAA	TCAATTGAA
E_amylovora	CCACGCGAGC	GCTGGCTGGA	ACTGGGCCTG	ACCGACGAAG	ATAAGCAAAA	CCAGCTGGAA
E_aphidicola	CCACGCGACC	GCTGGCTGGA	ACTTGGCCTG	ACCGACGAAG	AGAAACAGAA	CCAGCTGGAA
E_billingiae	CCTCGCGAGC	GCTGGTTGGA	ACTCGGCCTG	ACCGACGAAG	ACAAGCAAAA	CCAGCTGGAA
E_endophytica	CCACGCGAAC	GCTGGCTGGA	ACTCGGTTCTG	ACCGACGAAG	ACAAGCAGAA	CCAGTTGGAA
E_iniecta	CCACGCGAGC	GCTGGCTGGA	ACTCGGCCTG	ACCGACGAAG	ACAAGCAAAA	CCAGCTGGAG
E_mallotivora	CCACGTGAGC	GCTGGCTGGA	ACTGGGTTCTG	ACCGACGAAG	AGAAGCAAAA	CCAGCTGGAG
E_oleae	CCTCGCGAGC	GCTGGCTGGA	ACTTGGTCTG	ACCGACGAAG	AGAAGCAAAA	CCAGCTTGAA
E_persicina	CCACGTGAGC	GCTGGCTGGA	ACTGGGCCTG	ACCGACGAAG	AGAAGCAAAA	TCAGCTGGAA
E_phyllosphaerae	CCGCGCGAGC	GCTGGCTGGA	ACTCGGCCTG	ACCGACGAAG	AAAAACAGAG	TCAGCTGGAA
E_piriflorinigrans	CCACGTGAGC	GCTGGCTGGA	ACTGGGCCTG	ACCGACGAAG	ATAAGCAAAA	CCAGCTGGAA
E_psidii	CCACGCGAAC	GCTGGTTGGA	ACTTGGTCTG	ACCGACGAAG	ACAAGCAAAA	CCAGCTGGAA
E_pyrifoliae	CCACGCGAGC	GCTGGCTGGA	ACTGGGCCTG	ACCGATGAAG	ATAAGCAAAA	CCAGCTGGAA
E_rhapontici	CCACGCGAGC	GCTGGCTGGA	ACTGGGCCTG	ACCGACGAAG	AAAAAGCAAAA	CCAGCTGGAA
E_tasmaniensis	CCACGCGAGC	GCTGGCTGGA	ACTGGGCCTG	ACCGACGAAG	ATAAGCAAAA	CCAGCTGGAA
E_tracheiphila	CCACGCGAGC	GCTGGCTGGA	ACTCGGTTCTG	ACCGACGAAG	AGAAGCAAAA	TCAGCTGGAG
E_typographi	CCGCGCGAGC	GCTGGTTGGA	ACTCGGTTCTG	ACCGACGAAG	ACAAGCAAAA	CCAGCTGGAA
P_agglomerans	CCGCGCGAGC	GCTGGCTGGA	ACTGGGTTCTG	ACTTGACGAAG	CCAAGCAAAA	CCAGCTGGAG
P_beijingensis	CCACGTGAGC	GCTGGTTAGA	ACTGGGTTCTG	ACCGATGAAG	ACAAGCAAAA	CCAACTTGAA
P_dispersa	CCACGTGAGC	GCTGGCTGGA	ACTCGGTTCTG	ACCGACGAAG	AGAAGCAGAA	CGCGCTGGAG
P_eucalypti	CCGCGCGAGC	GCTGGCTGGA	ACTGGGTTCTG	ACTTGACGAAG	CCAAGCAAAA	CCAGCTGGAG
E_sorbitola	CCACGCGAGC	GCTGGCTGGA	ACTGGGCCTG	ACCGACGAAG	AAAAACAAAA	CCAGCTGGAA
E_toletana	CCACGCGAGC	GCTGGTTGGA	ACTCGGCCTG	ACCGACGAAG	ACAAGCAAAA	CCAGCTGGAG
unknown_DE2	CCACGCGAGC	GCTGGCTGGA	ACTCGGCCTG	ACCGACGAAG	AGAAGCAAAA	CCAGCTGGAG
unknown_E602	CCTCGCGAGC	GCTGGCTGGA	ACTGGGCCTG	ACCGACGAAG	AGAAACAGAA	CCAGCTGGAA
unknown_Ejp617	CCACGCGAGC	GCTGGCTGGA	ACTGGGCCTG	AGCGATGAAG	ACAAGCAAAA	CCAGCTGGAA
unknown_QL-Z3	CCTCGCGAGC	GCTGGTTGGA	ACTCGGCCTG	ACCGACGAAG	ACAAGCAAAA	CCAGCTGGAA

7081

ecoli_K12	CAGCTGGCTG	AGCAGTATGA	CGAACTGAAA	CACGAGTTTG	AGAAGAAACT	CGAAGCGAAA
C_E_dacicola	CAGCTGGCGG	AGCAGTACGA	TGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	TGAAGCGAAG
C_E_haradaeae	CAACTGGTTC	GACAAACAA	TGAACTAAAA	AGTGCATTTC	AGCAAAAACT	GGATACAAAA
E_amylovora	CAGCTGGCCG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	CGATGCCAAG
E_aphidicola	CAGCTGGCTG	AGCAGTACGA	TGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	TGAAGCGAAG
E_billingiae	CAGCTGGCAG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	CGAAGCGAAG
E_endophytica	CAGCTGTCCTG	AACAGTACGA	TGAACTGAAG	CACGAGTTTG	AGAAGAAACT	CGAAGCGAAG
E_iniecta	CAGCTGGCAG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	CGACGCGAAA
E_mallotivora	CAGCTGGCGG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	CGAAGCGAAA
E_oleae	CAGCTGGCCG	AGCAGTACGA	CGAACTGAAG	CACGAGTTTG	AGAAAAAACT	CGAAGCGAAA
E_persicina	CAGCTGGCCG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	TGAAGCCAAG
E_phyllosphaerae	CAGCTGGCGG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	CGAAGCGAAA
E_piriflorinigrans	CAGCTGGCCG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	CGACGCCAAG
E_psidii	CAGCTGGCAG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAGAAGCT	CGACGCGAAA
E_pyrifoliae	CAGCTGGCCG	AGCAGTACGA	TGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	TGATGCCAAG
E_rhapontici	CAGTTGGCCG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	TGAAGCTAAG
E_tasmaniensis	CAGCTGGCCG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	CGACGCCAAG
E_tracheiphila	CAGCTGGCAG	AGCAGTACGA	CGAGCTGAAG	CATGAGTTTG	AGAAAAAACT	TGATGCCAAG
E_typographi	CAGCTGGCAG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	CGAAGCGAAG
P_agglomerans	CAGCTGGCAG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	CGAAGGTAAG
P_beijingensis	CAGCTGGCTG	AGCAGTACGA	CGAGCTGAAG	CATGAGTTTG	AGAAAAAACT	CGAAGCAAAA
P_dispersa	CAGCTGGCTG	AGCAGTATGA	CGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	CGAAGCGAAG
P_eucalypti	CAGCTGGCAG	AGCAGTACGA	CGAACTGAAG	CACGAGTTTG	AGAAAAAACT	CGAAGGTAAG
E_sorbitola	CAGTTGGCCG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	TGAAGCCAAG
E_toletana	CAGCTGGCAG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	CGAAGCGAAA
unknown_DE2	CAGCTGGCAG	AGCAGTACGA	CGAGATGAAG	CGCGAGTTTG	AGAAAAAACT	CGAAGCGAAG
unknown_E602	CAGCTGGCTG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	TGAAGCCAAG
unknown_Ejp617	CAGCTGGCCG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAAAAACT	TGATGCCAAG
unknown_QL-Z3	CAGCTGGCAG	AGCAGTACGA	CGAGCTGAAG	CACGAGTTTG	AGAAGAAACT	CGAAGCGAAG

7141

ecoli_K12	CGCCGCAAAA	TCACCCAGGG	CGACGATCTG	GCACCGGGCG	TGCTGAAGAT	TGTTAAGGTA
C_E_dacicola	CGCCGCAAAA	TCACTCAGGG	CGATGACTTA	GCACCGGGCG	TGCTGAAAAT	CGTTAAAGTG
C_E_haradaeae	AAACGAAAAA	TCACACAAGG	TGATGATCTG	GCACCAGGAA	TATTAATAAT	TGCTAAAGTA
E_amylovora	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
E_aphidicola	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCGGGCG	TGCTGAAAAT	CGTTAAAGTG
E_billingiae	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
E_endophytica	CGCCGCAAAA	TCACTCAGGG	CGATGATCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
E_iniecta	CGCCGCAAAA	TCACTCAGGG	CGATGATCTG	GCACCGGGCG	TGCTGAAAAT	CGTTAAAGTG
E_mallotivora	CGCCGCAAAA	TCACCCAGGG	TGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTCAAGGTG
E_oleae	CGCCGCAAAA	TCACGCAAGG	CGACGATTTG	GCACCGGGCG	TGCTGAAAAT	CGTTAAGGTT
E_persicina	CGCCGTAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
E_phyllosphaerae	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
E_piriflorinigrans	CGCCGCAAAA	TCACCCAGGG	CGATGACCTG	GCACCGGGCG	TGCTGAAAAT	CGTTAAAGTG
E_psidii	CGCCGCAAAA	TCACCCAGGG	CGATGATCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAGGTT
E_pyrifoliae	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCAGGCG	TGCTGAAAAT	CGTTAAAGTG
E_rhapontici	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
E_tasmaniensis	CGCCGCAAAA	TCACCCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
E_tracheiphila	CGCCGCAAAA	TCACCCAGGG	CGATGACCTG	GCACCGGGCG	TGCTGAAAAT	CGTTAAAGTG
E_typographi	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
P_agglomerans	CGTCGTAAAA	TCACCCAGGG	CGATGATCTG	GCACCGGGCG	TGCTGAAAAT	CGTTAAGGTT
P_beijingensis	CGCCGTAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
P_dispersa	CGTCGCAAGA	TCACCCAGGG	CGACGATCTG	GCACCGGGCG	TGCTGAAAAT	CGTCAAGGTG
P_eucalypti	CGTCGTAAAA	TCACCCAGGG	CGATGATCTG	GCACCGGGCG	TGCTGAAAAT	CGTTAAGGTT
E_sorbitola	CGCCGTAAAA	TCACTCAGGG	CGATGACCTG	GCACCGGGCG	TGCTGAAAAT	CGTTAAAGTG
E_toletana	CGCCGCAAAA	TCACTCAGGG	CGATGATCTG	GCACCGGGCG	TGCTGAAAAT	CGTTAAAGTG
unknown_DE2	CGCCGTAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
unknown_E602	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
unknown_Ejp617	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG
unknown_QL-Z3	CGCCGCAAAA	TCACTCAGGG	CGATGACCTG	GCACCTGGCG	TGCTGAAAAT	CGTTAAAGTG

7201

ecoli_K12	TATCTGGCGG	TTAAACGCGG	TATCCAGCCT	GGTGACAAGA	TGGCAGGTCG	TCACGGTAAC
C_E_dacicola	TATCTGGCGG	TAAAAAGTCA	GATCCAGCCT	GGTGACAAGA	TGGCAGGTCG	TCACGGGAAC
C_E_haradaeae	TATCTAGCAG	TTAAACGTC	AATTCAGCCA	GGTGATAAAA	TGGCTGGTCG	TCATGGTAAC
E_amylovora	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGTGATAAAA	TGGCAGGTCG	CCACGGGAAC
E_aphidicola	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGTGACAAGA	TGGCAGGTCG	TCACGGGAAC
E_billingiae	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGTGACAAGA	TGGCTGGTCG	TCACGGGAAC
E_endophytica	TATCTGGCGG	TAAAAAGTCA	GATTCAGCGG	GGTGATAAAA	TGGCGGGTCG	CCACGGGAAC
E_iniecta	TATCTGGCGG	TTAAACGTC	GATTCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
E_mallotivora	TACCTGGCGG	TAAAAAGTCA	GATCCAGCCT	GGTGATAAAA	TGGCAGGTCG	CCACGGGAAC
E_oleae	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGCGATAAAA	TGGCAGGTCG	TCACGGGAAC
E_persicina	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
E_phyllosphaerae	TATCTGGCGG	TTAAAGCGTCA	GATTCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
E_piriflorinigrans	TATCTGGCGG	TTAAACGTC	GATTCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
E_psidii	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGCGATAAAA	TGGCCGGCCG	TCACGGGAAC
E_pyrifoliae	TATCTGGCGG	TTAAACGTC	GATTCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
E_rhapontici	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
E_tasmaniensis	TACCTGGCGG	TGAAACGTC	GATTCAGCCT	GGTGACAAAA	TGGCGGGTCG	TCACGGGAAC
E_tracheiphila	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGTAAC
E_typographi	TATCTGGCGG	TTAAAGCGTCA	GATTCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
P_agglomerans	TATCTGGCTG	TTAAAGCGTCA	GATTCAGCGG	GGTGACAAAA	TGGCAGGCCG	TCACGGTAAC
P_beijingensis	TATCTGGCGG	TTAAAGCGTCA	GATACAGCGG	GGTGACAAAA	TGGCTGGTCG	TCACGGGAAC
P_dispersa	TATCTGGCGG	TTAAAGCGTCA	GATTCAGCCT	GGTGACAAAA	TGGCGGGTCG	TCACGGTAAC
P_eucalypti	TATCTGGCTG	TTAAAGCGTCA	GATTCAGCGG	GGTGACAAAA	TGGCAGGCCG	TCACGGTAAC
E_sorbitola	TATCTGGCGG	TTAAACGTC	GATTCAGCCT	GGTGATAAAA	TGGCAGGTCG	TCACGGGAAC
E_toletana	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
unknown_DE2	TATCTGGCGG	TTAAAGCGTCA	GATCCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
unknown_E602	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGTGACAAGA	TGGCAGGTCG	TCACGGGAAC
unknown_Ejp617	TACCTGGCGG	TTAAACGTC	GATTCAGCCT	GGTGACAAAA	TGGCAGGTCG	TCACGGGAAC
unknown_QL-Z3	TATCTGGCGG	TTAAACGTC	GATCCAGCCT	GGTGACAAGA	TGGCTGGTCG	TCACGGGAAC

7261

ecoli_K12	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	AAACGGTACG
C_E_dacicola	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GAACGGTACG
C_E_haradaeae	AAAGGGGTTA	TCTCTAAAA	TAATCCGATA	GAAGACATGC	CTTACGATGA	GAATGGTATA
E_amylovora	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATT	GAAGATATGC	CTTACGATGA	GAACGGTACG
E_aphidicola	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GAACGGTACG
E_billingiae	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GAACGGTACG
E_endophytica	AAAGGTGTTA	TCTCCAAGAT	CAATCCGATC	GAAGATATGC	CATACGATGA	GAACGGTACA
E_iniecta	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	AAACGGCACG
E_mallotivora	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GAACGGTACG
E_oleae	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GCACGGCACG
E_persicina	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GTTCGGTACG
E_phyllosphaerae	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GAACGGCACG
E_piriflorinigrans	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	GAACGGTACG
E_psidii	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	AAACGGTACG
E_pyrifoliae	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	GAACGGTACG
E_rhapontici	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GTTCGGTACG
E_tasmaniensis	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	GAACGGCACG
E_tracheiphila	AAGGGTGTTA	TCTCTAAGAT	CAACCCGATC	GAAGACATGC	CTTATGATGA	AAACGGCACG
E_typographi	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GAACGGTACG
P_agglomerans	AAAGGTGTTA	TCTCTAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	AAACGGCACG
P_beijingensis	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	GAACGGCACG
P_dispersa	AAAGGTGTTA	TCTCGAAGAT	CAACCCATC	GAAGACATGC	CATACGATGA	GAACGGTACG
P_eucalypti	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	AAACGGCACG
E_sorbitola	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	ATTCGGTACG
E_toletana	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	AAACGGCACG
unknown_DE2	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GAACGGTACG
unknown_E602	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATACGATGA	GAACGGTACG
unknown_Ejp617	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CTTACGATGA	GAACGGTACG
unknown_QL-Z3	AAAGGTGTTA	TCTCCAAGAT	CAACCCGATC	GAAGATATGC	CATATGATGA	GAACGGTACG

7321

ecoli_K12	CCGGTAGACA	TGGTACTGAA	CCCGCTGGGC	GTACCGTCTG	GTATGAACAT	CGGTCAGATC
C_E_dadicola	CCAGTTGATA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	CGGTCAGATT
C_E_haradaeae	CCAGTTGATA	TAGTTCTAAA	TCCGTTAGGC	GTCCCATCAC	GCATGAATAT	TGGTCAAATC
E_amylovora	CCGGTCGACA	TGGTACTGAA	CCCGCTGGGC	GTACCCATCAC	GTATGAACAT	CGGTCAGATT
E_aphidicola	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	CGGTCAGATT
E_billingiae	CCGGTCGACA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	TGGACAGATT
E_endophytica	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	TGGTCAAATT
E_iniecta	CCGGTAGACA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	TGGTCAGATT
E_mallotivora	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTACCGTCAC	GTATGAACAT	TGGTCAGATT
E_oleae	CCGGTTGACA	TGGTACTGAA	CCCGCTGGGC	GTACCGTCAC	GTATGAACAT	TGGACAGATT
E_persicina	CCGGTCGACA	TGGTACTGAA	CCCGCTGGGC	GTTCATCAC	GTATGAACAT	TGGTCAGATT
E_phyllosphaerae	CCGGTCGACA	TGGTATTGAA	CCCGCTGGGC	GTACCGTCAC	GTATGAACAT	TGGTCAGATT
E_piriflorinigrans	CCGGTCGATA	TGGTACTCAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	CGGTCAGATT
E_psidii	CCGGTTGATA	TGGTACTGAA	CCCGCTGGGC	GTACCTTCAC	GTATGAACAT	TGGTCAGATT
E_pyrifoliae	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTACCTTCAC	GTATGAACAT	CGGTCAGATC
E_rhapontici	CCGGTCGACA	TGGTTCTGAA	CCCGCTGGGC	GTTCATCAC	GTATGAACAT	TGGTCAGATT
E_tasmaniensis	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	CGGTCAGATC
E_tracheiphila	CCGGTAGACA	TGGTACTGAA	CCCGCTGGGC	GTACCTTCAC	GTATGAACAT	TGGTCAGATT
E_typographi	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTACCTTCAC	GTATGAACAT	TGGACAGATT
P_agglomerans	CCGGTTGACA	TGGTTCTGAA	CCCGCTGGGC	GTACCATCGC	GTATGAACAT	CGGTCAGATT
P_beijingensis	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	TGGTCAGATT
P_dispersa	CCGGTCGACA	TGGTACTGAA	CCCGCTGGGC	GTACCATCGC	GTATGAACAT	CGGTCAGATT
P_eucalypti	CCGGTTGACA	TGGTTCTGAA	CCCGCTGGGC	GTACCATCGC	GTATGAACAT	CGGTCAGATT
E_sorbitola	CCGGTTGACA	TGGTATTGAA	CCCGCTGGGC	GTTCATCAC	GTATGAACAT	TGGACAGATT
E_toletana	CCGGTAGACA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	TGGTCAGATT
unknown_DE2	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTACCTTCAC	GTATGAACAT	TGGACAGATT
unknown_E602	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTTCATCGC	GTATGAACAT	CGGTCAGATT
unknown_Ejp617	CCGGTCGATA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAATAT	CGGTCAGATT
unknown_QL-Z3	CCGGTCGACA	TGGTACTGAA	CCCGCTGGGC	GTACCATCAC	GTATGAACAT	TGGACAGATT

7381

ecoli_K12	CTCGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGTATCGGCG	ACAAGATCAA	CGCCATGCTG
C_E_dadicola	CTTGAAACCC	ACCTAGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAGATCAA	CGCTATGCTT
C_E_haradaeae	CTAGAAACCC	ATTTAGGTAT	GGCTGCCAAA	GGCATTTGGCA	AAAAAATCAG	CTTCCTTCTG
E_amylovora	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAAAATCAA	CGCCATGCTG
E_aphidicola	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAGATCAA	CGCTATGCTT
E_billingiae	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGTATTGGCG	AGAAGATCAA	CGCCATGCTT
E_endophytica	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAAAATCAA	CGCGATGCTT
E_iniecta	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGTATCGGTG	AGAAAAATCAA	CGCGATGCTG
E_mallotivora	CTTGAAACCC	ACCTGGGTAT	GGCGGCGAAG	GGCATCGGTG	AGAAGATCAA	CGCGATGCTG
E_oleae	CTTGAAACCC	ATCTGGGTAT	GGCTGCAGAA	GGCATCGGTG	AGAAAAATCAA	CGCGATGCTT
E_persicina	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAAAATCAA	CGCTATGCTT
E_phyllosphaerae	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATCGGCG	AGAAAAATCAA	CGCCATGCTG
E_piriflorinigrans	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAAAATCAA	CGCCATGCTT
E_psidii	CTTGAAACCC	ATCTGGGTAT	GGCGGCGAAG	GGCATCGGTG	AGAAAAATCAA	CGCGATGCTC
E_pyrifoliae	CTTGAAACCC	ACCTGGGTAT	GGCTGCTAAG	GGCATCGGCG	AGAAAAATCAA	CGCCATGCTT
E_rhapontici	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAAAATCAA	CGCTATGCTT
E_tasmaniensis	CTCGAAACCTC	ACCTGGGTAT	GGCTGCAGAA	GGCATCGGCG	AAAAAATCAA	CGCCATGCTT
E_tracheiphila	CTTGAAACCC	ACCTGGGTAT	GGCAGCGAAG	GGCATTTGGCG	AGAAAAATCAA	CACGATGCTT
E_typographi	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAGATCAA	CGCTATGCTT
P_agglomerans	CTTGAAACCC	ACCTGGGTAT	GGCAGCGAAG	GGCATCGGCG	AGAAGATCAA	CGCCATGCTC
P_beijingensis	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGTATCGGTG	AGAAAAATCAA	CGCGATGCTG
P_dispersa	CTTGAAACCC	ACCTGGGTAT	GGCGGCGAAG	GGCATTTGGTG	AGAAGATCAA	TGCGATGCTG
P_eucalypti	CTTGAAACCC	ACCTGGGTAT	GGCAGCGAAG	GGCATCGGCG	AAAAAGATCAA	CGCCATGCTG
E_sorbitola	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAAAATCAA	CGCTATGCTT
E_toletana	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGTATCGGTG	AGAAAAATCAA	CTCGATGCTG
unknown_DE2	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	ATAAGATCAA	CGCTATGCTT
unknown_E602	CTTGAAACCTC	ACCTGGGTAT	GGCTGCAGAA	GGCATCGGCG	AGAAAAATCAA	CGCCATGCTG
unknown_Ejp617	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGCATTTGGCG	AGAAAAATCAA	CGCCATGCTT
unknown_QL-Z3	CTTGAAACCC	ACCTGGGTAT	GGCTGCAGAA	GGTATTGGCG	AGAAGATCAA	CGCCATGCTT

7441

ecoli_K12	AAACAGCAGC	AAGAAGTTCG	GAAACTGCG	GAATTCATCC	AGCGTGCCTA	CGATCTGGGC
C_E_dacicola	AAAAATCTGG	AAGAAGTGTG	CAAGCTGCGT	GAGTTTCATTC	AGCGTGCCTTA	CGATCTGGGT
C_E_haradaeae	CAACAGAAAG	AAGGGTTATC	TAGTCTTCGT	GCAITTTATTC	AAAGCGCCTTA	CGATCTCGGT
E_amylovora	AAGAAGCAGG	AAGAAGTGTG	CAAACTGCGT	GAGTTTATTC	AGCGTGCCTTA	CGATCTGGGC
E_aphidicola	AAGAAGCAGG	AAGAAGTGTG	CAAGCTGCGT	GAGTTTCATTC	AGCGTGCCTTA	CGATCTGGGT
E_billingiae	AAGAAGCAGG	AAGAAGTGTG	TAAGCTGCGT	GAGTTTATTC	AGCGTGCCTA	CGATCTGGGC
E_endophytica	AAGAAGCAGG	AAGATGTGTG	CAGGCTGCGT	GAATTTATCC	AGCGTGCCTA	CGATCTGGGC
E_iniecta	AAAAAGCAGG	AAGAAGTGTG	CAAACTGCGT	GAGTTTATCC	AGCGCGCGTA	CGATCTGGGC
E_mallotivora	AAGCAGCAGG	AAGAAGTGGC	CAAACTGCGT	GAATTCATTC	AGCGCGCCTA	CGACCTGGGC
E_oleae	AAGAAGCAGG	AAGAAGTGTG	TAAGCTGCGT	GAGTTTCATTC	AGCGCGCTTA	CGATCTGGGC
E_persicina	AAGAAGCAGG	AAGAAGTGTG	CAAGCTGCGT	GAATTCATTC	AGCGTGCCTTA	CGATCTGGGC
E_phyllosphaerae	AAAAAGCAGG	AAGAAGTGTG	CAAGCTGCGT	GAGTTTATTC	AGCGCGCCTA	CGATCTGGGC
E_piriflorinigrans	AAGAAGCAGG	AAGAAGTGTG	CAAGCTGCGT	GAGTTTATTC	AGCGTGCCTTA	CGATCTGGGT
E_psidii	AAGCAGCAGG	AAGAAGTGGC	CAAACTGCGT	GAGTTTATTC	AGCGCGCTTA	CGATCTGGGC
E_pyrifoliae	AAGAAGCAGG	AAGACGTGTG	CAGGCTGCGC	GAGTTTATTC	AGCGTGCCTTA	CGATCTGGGT
E_rhapontici	AAGAAGCAGG	AAGAAGTGTG	CAAGCTGCGT	GAGTTTATTC	AGCGTGCCTTA	CGATCTGGGC
E_tasmaniensis	AAGAAGCAGG	AAGAAGTGTG	CAAGCTGCGT	GAGTTTATTC	AGCGTGCCTTA	CGATCTGGGT
E_tracheiphila	AAGCAGCAGG	AAGAAGTGGC	CAAACTGCGT	GAGTTTCATCC	AGCGCGCCTA	CGATCTGGGC
E_typographi	AAGAAGCAGG	AAGAAGTGTG	CAAACTGCGT	GAGTTTATTC	AGCGCGCGTA	CGATCTGGGC
P_agglomerans	AAAAAGCAGG	AAGACGTTCG	GAAACTGCGC	GAATTCATCC	AGCGCGCCTA	TGACCTGGGT
P_beijingensis	AAGAAGCAGG	AAGAAGTGTG	CAAACTGCGT	GAGTTTATTC	AGCGTGCCTA	CGATCTGGGC
P_dispersa	AAGAAGCAGG	AAGAAGTGTG	CAAACTGCGT	GAGTTTATTC	AGCGTGCCTTA	CGATCTGGGC
P_eucalypti	AAGAAGCAGG	AAGAAGTGTG	GAAACTGCGC	GAATTCATCC	AGCGCGCCTA	TGACCTGGGT
E_sorbitola	AAAAAGCAGG	AAGATGTGTG	CAAACTGCGT	GAATTTATTC	AGCGTGCCTTA	CGATCTGGGC
E_toletana	AAAAAGCAGG	AAGAAGTGTG	CAAACTGCGT	GAGTTTATCC	AGCGCGCGTA	CGATCTGGGC
unknown_DE2	AAAAAGCAGG	AAGAAGTGTG	TAAACTGCGT	GAGTTTATTC	AGCGCGCGTA	CGATCTGGGC
unknown_E602	AAGAAGCAGG	AAGAAGTGTG	CAAGCTGCGT	GAGTTTATTC	AGCGCGCCTA	CGATCTGGGC
unknown_Ejp617	AAGAAGCAGG	AAGACGTGTG	CAGGCTGCGT	GAGTTTATTC	AGCGTGCCTTA	CGATCTGGGT
unknown_QL-Z3	AAGAAGCAGG	AAGAAGTGTG	TAAGCTGCGT	GAGTTTATTC	AGCGTGCCTA	CGATCTGGGC

7501

ecoli_K12	GCTGACGTC	GTCAGAAAGT	TGACCTGAGT	ACCTTCAGCG	ATGAAGAAGT	TATGCGTCTG
C_E_dacicola	AGCGATCTGC	GCCAGAAAGT	TGACCTGAAC	ACCTTCACTG	ACGACGAAGT	GCTGCGTCTG
C_E_haradaeae	GCTCATGTC	GGCAAAAAGT	TGACCTACAA	ACCTTTAGTG	ATGATGAAGT	TCTATCATTA
E_amylovora	ACCGAGCTGC	GTCAGAAAGT	TGACCTGAAC	ACCTTCAGCG	ACGACGAAGT	GCTGCGTCTG
E_aphidicola	AGCGATCTGC	GCCAGAAAGT	TGACCTGAAC	ACCTTCACCG	ACGACGAAGT	GCTGCGTCTG
E_billingiae	TCCGATTTAC	GTCAGAAAGT	CGATCTGAAC	ACCTTCACCG	ACGACGAAGT	GCTGCGTCTG
E_endophytica	ACCGATGTGC	GGCAGAAAGT	CGATCTGAAT	ACGTTTCAGTG	ACGATGAAGT	GTTTACGTCTG
E_iniecta	ACCGATGTGC	GTCAGAAAGT	CGACCTGAAC	ACCTTCACCG	ATGATGAAGT	GCTGCGTCTG
E_mallotivora	ACCGACGTGC	GTCAGAAAGT	GGACCTGTCT	ACCTTCTCTG	ATGATGAAGT	GATGCGTCTG
E_oleae	ACCGACGTGC	GTCAGAAAGT	TGACCTGAAC	ACCTTCAGCG	ATGACGAAGT	ACTGCGTCTG
E_persicina	AGCGATCTGC	GTCAGAAAGT	TGACCTGAAC	ACCTTCACCG	ATGACGAAGT	GCTGCGCTG
E_phyllosphaerae	ACCGACGTGC	GTCAGAAAGT	TGACCTGAAT	ACCTTCACCG	ACGATGAAGT	GCTGCGTCTG
E_piriflorinigrans	ACCGATGTGC	GCCAGAAAGT	TGACCTGAAC	ACCTTCACCG	ACGACGAAGT	GCTGCGTCTG
E_psidii	ACTGACGTGC	GTCAGAAAGT	GGACCTGTCC	ACCTTCTCTG	ATGAGGAAGT	GCTGCGTCTG
E_pyrifoliae	ACCGACGTGC	GCCAGAAAGT	TGACCTGAAC	ACCTTCACTG	ACGACGAAGT	GCTGCGTCTG
E_rhapontici	AGCGATTTGC	GCCAGAAAGT	TGACCTGAAC	ACGTTTCACCG	ACGACGAAGT	GCTGCGTCTG
E_tasmaniensis	ACCGATGTGC	GCCAGAAAGT	TGACCTGAAC	ACCTTCACCG	ACGACGAAGT	GCTGCGTCTG
E_tracheiphila	ACTGACGTGC	GTCAGAAAGT	TGACCTGTCT	ACTTTCTCTG	ATGAAGAAGT	CCTGCGTCTG
E_typographi	ACCGATGTGC	GTCAGAAAGT	CGACCTGAAC	ACCTTCTCCG	ATGACGAAGT	GCTGCGCTG
P_agglomerans	AGCGATCTGC	GTCAGAAAGT	TGACCTGAAC	ACCTTCTCCG	ACGACGAAGT	ATTGCGTCTG
P_beijingensis	ACTGATGTGC	GTCAGAAAGT	TGACCTGGCC	ACCTTCAGTG	ATGAAGAAGT	ACTGCGTCTG
P_dispersa	ACCGATGTGC	GTCAGAAAGT	TGACCTGAAC	ACCTTCTCCG	ACGACGAAGT	GCTGCGTCTG
P_eucalypti	AGCGATCTGC	GTCAGAAAGT	TGACCTGAAC	ACCTTCTCCG	ATGACGAAGT	TCTTCGTCTG
E_sorbitola	AATGATGTAC	GCCAGAAAGT	TGACCTGAAC	ACCTTCACCG	ACGACGAAGT	GCTGCGTCTG
E_toletana	ACCGACGTGC	GTCAGAAAGT	CGATCTGAAC	ACCTTCACCG	ATGATGAAGT	ACTGCGTCTG
unknown_DE2	ACCGATGTGC	GTCAGAAAGT	CGACCTGAAC	ACCTTCACCG	ACGACGAAGT	GCTGCGTCTG
unknown_E602	ACCGACGTGC	GTCAGAAAGT	TGACCTGAAC	ACCTTCACCG	ACGACGAAGT	GCTGCGTCTG
unknown_Ejp617	ACCGACGTGC	GCCAGAAAGT	TGACCTGAAC	ACCTTCACTG	ACGACGAAGT	GCTGCGTCTG
unknown_QL-Z3	TCCGATTTAC	GTCAGAAAGT	CGATCTGAAC	ACCTTCACCG	ACGACGAAGT	GCTGCGTCTG

7561

ecoli_K12	GCTGAAAAAC	TGCGCAAGG	TATGCCAATC	GCAACGCCGG	TGTTTCGACGG	TGCGAAAGAA
C_E_dacicola	GCAGAGAACC	TGAAAAAAGG	TATGCCAATC	GCAACGCCGG	TGTTTTCGACGG	CGCGAAAGAG
C_E_haradaeae	GCCGAAAAATC	TAAAAAATGG	CATGCCATAT	GCTACTCCAG	T'TTTTGATGG	CGCAAAAGAA
E_amylovora	GCAGAGAACC	TGAAAAAAGG	TATGCCAATC	GCCACTCCGG	TGTTTTCGACGG	TGCGAAAGAG
E_aphidicola	GCAGAGAACC	TGAAAAAAGG	TATGCCAATC	GCAACGCCAG	TGTTTTCGACGG	CGCGAAAGAG
E_billingiae	GCAGAAAAAC	TGAAGAAAGG	GATGCCAATC	GCAACACCAG	TGTTTTCGACGG	CGCGAAAGAA
E_endophytica	GCTGAAAAAC	TGAAGAAAGG	GATGCCGATT	GCGACGCCAG	TGTTTTCGATGG	TGCGAAAGAA
E_iniecta	GCAGAGAACC	TGAAAAAAGG	TATGCCAATC	GCAACGCCGG	TGTTTTCGACGG	TGCTAAAGAG
E_mallotivora	GCTGAAAAAC	TGAAGAAAGG	GATGCCAATC	GCCACGCCGG	TGTTTTCGATGG	CGCAAAAGAG
E_oleae	GCCGAGAACC	TGAAAAAAGG	TATGCCAATT	GCCACGCCGG	TGTTTTCGACGG	TGCGAAAGAG
E_persicina	GCAGAGAACC	TGAAAAAAGG	TATGCCAATT	GCAACACCAG	TGTTTTCGACGG	CGCGAAAGAG
E_phyllosphaerae	GCTGAGAACC	TGAAAAAAGG	TATGCCGATT	GCCACTCCGG	TGTTTTCGATGG	TGCGAAAGAG
E_piriflorinigrans	GCGGAAAAAC	TGAAGAAAGG	TATGCCAATC	GCCACTCCGG	TGTTTTCGATGG	TGCGAAAGAG
E_psidii	GCGGAAAAATC	TGAAGAAAGG	GATGCCGATT	GCGACACCAG	TGTTTTCGACGG	CGCGAAAGAG
E_pyrifoliae	GCAGAAAAAC	TGAAAAAAGG	TATGCCAATC	GCCACTCCGG	TGTTTTCGATGG	TGCGAAAGAG
E_rhapontici	GCAGAGAACC	TGAAAAAAGG	TATGCCAATC	GCAACACCAG	TGTTTTCGACGG	CGCGAAAGAA
E_tasmaniensis	GCAGAAAAAC	TGAAAAAAGG	TATGCCGATT	GCCACTCCGG	TGTTTTCGATGG	TGCGAAAGAG
E_tracheiphila	GCAGAAAAAC	TGAAGAAAGG	GATGCCGATT	GCCACGCCAG	TGTTTCGACGG	CGCGAAAGAA
E_typographi	GCTGAAAAAC	TGAAGAAAGG	GATGCCAATC	GCCACGCCAG	TGTTTTCGACGG	CGCGAAAGAA
P_agglomerans	GCTGAGAACC	TGAAGAAAGG	TATGCCAATC	GCCACTCCGG	TGTTTTCGATGG	CGCGAAAGAG
P_beijingensis	GCAGAGAACC	TGAAAAAAGG	TATGCCAATT	GCAACGCCGG	TGTTTTCGATGG	TGCGAAAGAG
P_dispersa	GCAGAGAACC	TGAAAAAAGG	TATGCCAATC	GCGACGCCAG	TGTTTTCGACGG	TGCGAAAGAG
P_eucalypti	GCGGAGAACC	TGAAGAAAGG	TATGCCAATC	GCCACTCCGG	TGTTTTCGATGG	CGCGAAAGAG
E_sorbitola	GCAGAGAACC	TGAAAAAAGG	TATGCCAATC	GCAACACCAG	TGTTTTCGACGG	CGCGAAAGAG
E_toletana	GCAGAGAACC	TGAAAAAAGG	TATGCCAATC	GCAACGCCGG	TGTTTTCGATGG	TGCTAAAGAA
unknown_DE2	GCTGAAAAAC	TGAAGAAAGG	GATGCCAATC	GCCACACCAG	TGTTTTCGACGG	CGCGAAAGAG
unknown_E602	GCAGAGAACC	TGAAAAAAGG	TATGCCAATC	GCCACTCCGG	TGTTTTCGACGG	CGCGAAAGAG
unknown_Ejp617	GCAGAAAAAC	TGAAAAAAGG	TATGCCAATC	GCCACTCCGG	TGTTTTCGATGG	TGCGAAAGAG
unknown_QL-Z3	GCAGAAAAAC	TGAAGAAAGG	GATGCCAATC	GCAACACCAG	TGTTTTCGACGG	CGCGAAAGAA

7621

ecoli_K12	GCAGAAATTA	AAGAGCTGCT	GAAACTTGGC	GACCTGCCGA	CTTCCGGTCA	GATCCGCCTG
C_E_dacicola	AGCGAAATCA	AAGAGCTGTT	ACAGCTCAGC	GGTCTGCCTT	CTTCTGGTCA	GATTACCCCTG
C_E_haradaeae	AGTGAAATCA	AAGAATTATT	AAAACTTGGC	GACTTGCCTT	CTTCTGGTCA	AATTACCTTG
E_amylovora	AGCGAAATCA	AAGAGCTGTT	ACAGCTTGGC	GGCCTGCCTT	CTTCCGGTCA	GATCACCCCTG
E_aphidicola	AGCGAAATCA	AAGAGCTGTT	ACAGCTCGGC	GGTCTGCCTT	CTTCTGGTCA	GATTACCCCTG
E_billingiae	AGCGAAATCA	AAGAGCTGTT	ACAGCTCGGC	GGCCTGCCTT	CTTCTGGTCA	GATCACGCTG
E_endophytica	AGCGAGATCA	AAGAGCTGTT	GCAGCTCGGC	GGTCTGCCGT	CTTCCGGTCA	GATTAACCCCTG
E_iniecta	AGCGAAATTA	AAGAACTGCT	GCAGTTGGGT	GGTTTACCGA	CCTCTGGTCA	GATTACGCTG
E_mallotivora	AGCGAGATCA	AAGAGCTGTT	ACAGCTTGGC	GGTCTGCCAT	CTTCTGGTCA	GATTACCCCTG
E_oleae	AGCGAAATCA	AAGAGCTGTT	ACAGCTCGGC	GGTCTGCCTT	CTTCCGGCCA	GATCACGCTG
E_persicina	AGCGAAATCA	AAGAGCTGTT	ACAGCTCGGC	GGCCTGCCTT	CTTCTGGCCA	GATCACGCTG
E_phyllosphaerae	AGCGAGATTA	AAGAGCTGCT	GCAGCTCGGC	GGCCTGCCTT	CTTCCGGTCA	GATTACGCTG
E_piriflorinigrans	AGCGAAATCA	AAGAGCTGTT	ACAGCTTGGC	GGCCTGCCTT	CTTCCGGTCA	GATCACCCCTG
E_psidii	AGCGAGATCA	AAGAGCTGCT	GCAGCTTGGC	GGCTTGCCTT	CTTCCGGTCA	GATCACCCCTG
E_pyrifoliae	AGCGAAATCA	AAGAGCTGTT	ACAGCTTGGC	GGCCTGCCTT	CTTCCGGTCA	GATCACCCCTG
E_rhapontici	AGCGAAATCA	AAGAGCTGTT	ACAGCTCGGC	GGCCTGCCTT	CTTCTGGTCA	GATTACGCTG
E_tasmaniensis	AGCGAAATCA	AAGAGCTGTT	GCAGCTTGGC	GGCCTGCCTT	CTTCCGGTCA	GATCACCCCTG
E_tracheiphila	AGCGAAATCA	AAGAGCTGCT	GCAGCTCGGC	GGCCTGCCTT	CTTCCGGTCA	GATCACTCTG
E_typographi	AGCGAAATCA	AAGAGCTGCT	GCAGCTCGGC	GGCCTGCCTT	CTTCCGGTCA	GATCACGCTG
P_agglomerans	AGCGAAATCA	AAGAGCTGCT	GCAGCTCGGC	GGCTTGCCTT	CTTCCGGTCA	GATTACCCCTG
P_beijingensis	AGCGAAATCA	AAGAACTGCT	GCAGCTTGGC	GGTTTACCGA	CTTCCGGTCA	GATTACGCTG
P_dispersa	AGCGAAATCA	AAGAGCTGCT	GCAGCTCGGC	GGTCTGCCTT	CTTCCGGTCA	GATCACCCCTG
P_eucalypti	AGTGAAATCA	AAGAGCTGCT	GCAGCTCGGC	GGCTTGCCTT	CTTCCGGTCA	GATTACCCCTG
E_sorbitola	AGCGAAATCA	AAGAGCTGTT	ACAGCTTGGC	GGGTTGCCTT	CTTCTGGTCA	GATTACGCTG
E_toletana	AGCGAAATCA	AAGAACTGCT	GCAATTGGGC	GGTTTACCGA	CTTCCGGTCA	GATTACGCTG
unknown_DE2	AGCGAAATCA	AAGAGCTGCT	GCAGCTCGGC	GGCCTGCCTT	CTTCCGGTCA	GATCACGCTG
unknown_E602	AGCGAGATCA	AAGAGCTGCT	GCAGCTCGGC	GGCCTGCCTT	CTTCTGGCCA	GATCACCCCTG
unknown_Ejp617	AGCGAAATCA	AAGAGCTGTT	ACAGCTTGGC	GGCCTGCCTT	CTTCCGGCCA	GATCACCCCTG
unknown_QL-Z3	AGCGAAATCA	AAGAGCTGTT	ACAGCTCGGC	GGCCTGCCTT	CTTCTGGTCA	GATCACGCTG

7681

ecoli_K12	TACGATGGTC	GCACTGGTGA	ACAGTTCGAG	CGTCCGGTAA	CCGTTGGTTA	CATGTACATG
C_E_dadicola	TTGATGGTC	GTACCGGTGA	GCAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
C_E_haradaeae	TTTGATGGAC	GTACTGGTGA	AGCATTTGAA	CGTCAAGTTA	CCGTAGGATA	CATGTACATG
E_amylovora	TTGACGGTC	GTACCGGTGA	GCAGTTCGAA	CGCCAGGTTA	CCGTTGGCTA	CATGTACATG
E_aphidicola	TTGATGGTC	GTACCGGTGA	GCAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_billingiae	TTTGATGGTC	GTACTGGCGA	GCAGTTCGAG	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_endophytica	TTTGATGGTC	GTACTGGTGA	ACAGTTCGAG	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_iniecta	TTTGATGGCC	GTACTGGCGA	GCAGTTCGAG	CGTCCGGTTA	CCGTTGGCTA	CATGTACATG
E_mallotivora	TTGATGGTC	GTACCGGTGA	GCAGTTCGAG	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_oleae	TTTGATGGCC	GTACCGGTGA	GCAGTTTGAG	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_persicina	TTTGATGGTC	GTACCGGTGA	GCAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_phyllosphaerae	TTTGATGGCC	GTACCGGTGA	GCAGTTTGAG	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_piriflorinigrans	TTGATGGTC	GTACCGGTGA	GCAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	CATGTATATG
E_psidii	TTTGATGGCC	GCACTGGCGA	GCAGTTCGAG	CGTCAGGTTA	CCGTCCGGTA	TATGTACATG
E_pyrifoliae	TTGATGGTC	GTACCGGTGA	GCAGTTCGAA	CGCCAGGTTA	CCGTTGGCTA	CATGTACATG
E_rhapontici	TTTGATGGTC	GTACCGGTGA	GCAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_tasmaniensis	TTGATGGTC	GTACCGGTGA	GCAGTTCGAG	CGTCAGGTTA	CCGTTGGCTA	CATGTATATG
E_tracheiphila	TTGATGGTC	GCACTGGCGA	ACAGTTCGAG	CGTCAGGTTA	CCGTGGGCTA	CATGTACATG
E_typographi	TTTGATGGCC	GTACCGGTGA	GCAGTTCGAG	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
P_agglomerans	TTTGACGGCC	GTACCGGTGA	GCAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
P_beijingensis	TTTGACGGCC	GTACTGGCGA	GCAGTTTGAG	CGTCCGGTTA	CCGTTGGCTA	CATGTACATG
P_dispersa	TTGACGGCC	GTACCGGTGA	GCAGTTTGAG	CGTCAGGTTA	CCGTAGGTTA	CATGTACATG
P_eucalypti	TTTGACGGCC	GTACCGGTGA	GCAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_sorbitola	TTTGATGGTC	GTACCGGTGA	ACAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
E_toletana	TTTGATGGTC	GTACTGGCGA	GCAGTTCGAG	CGTCCGGTTA	CCGTTGGCTA	CATGTACATG
unknown_DE2	TTTGATGGTC	GTACCGGTGA	GCAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	TATGTACATG
unknown_E602	TTGACGGTC	GTACCGGTGA	GCAGTTCGAG	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
unknown_Ejp617	TTGATGGTC	GTACCGGTGA	GCAGTTCGAA	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG
unknown_QL-Z3	TTTGATGGTC	GTACTGGCGA	GCAGTTCGAG	CGTCAGGTTA	CCGTTGGCTA	CATGTACATG

7741

ecoli_K12	CTGAAACTGA	ACCACCTGGT	CGACGACAAG	ATGCACGCGC	GTTCCACCGG	TTCTTACAGC
C_E_dadicola	CTGAAACTTA	ACCACCTAGT	TGATGACAAG	ATGCATGCGC	GTTCTACCGG	CTCTTACAGC
C_E_haradaeae	CTAAAGCTAA	ATCATCTTGT	TGATGATAAA	ATGCATGCTC	GTTCAACCGG	TTCCCTATAGT
E_amylovora	CTGAAACTCA	ACCACCTGGT	GGATGACAAA	ATGCATGCGC	GTTCTACCGG	TTCTTACAGC
E_aphidicola	CTGAAACTCA	ACCACCTGGT	TGATGACAAG	ATGCATGCGC	GTTCTACCGG	CTCTTACAGC
E_billingiae	CTGAAACTCA	ACCACCTAGT	GGATGACAAG	ATGCATGCAC	GTTCTACCGG	CTCTTACAGC
E_endophytica	CTGAAACTCA	ACCACCTAGT	GGATGACAAA	ATGCATGCAC	GTTCTACTGG	TTCTTATAGC
E_iniecta	CTGAAACTTA	ACCACCTGGT	TGATGACAAG	ATGCATGCAC	GTTCTACCGG	CTCTTATAGC
E_mallotivora	CTGAAACTCA	ACCACCTGGT	GGATGACAAA	ATGCATGCAC	GTTCTACCGG	TTCTTACAGC
E_oleae	CTGAAACTGA	ACCACCTGGT	TGATGACAAA	ATGCATGCGC	GTTCTACCGG	TTCTTACAGC
E_persicina	CTGAAGCTGA	ACCACCTGGT	TGATGACAAA	ATGCATGCGC	GTTCTACCGG	TTCTTACAGC
E_phyllosphaerae	CTGAAACTCA	ACCACCTAGT	GGATGACAAA	ATGCATGCAC	GTTCTACCGG	TTCTTATAGC
E_piriflorinigrans	CTGAAACTGA	ACCACCTGGT	TGATGACAAA	ATGCATGCAC	GTTCTACCGG	TTCCCTACAGC
E_psidii	CTGAAACTCA	ACCACCTGGT	GGATGACAAG	ATGCATGCAC	GTTCTACCGG	TTCTTACAGC
E_pyrifoliae	CTGAAACTGA	ACCACCTGGT	TGATGACAAA	ATGCATGCAC	GTTCTACCGG	TTCTTACAGC
E_rhapontici	CTGAAGCTGA	ACCACCTGGT	TGATGACAAA	ATGCATGCGC	GTTCTACCGG	TTCTTACAGC
E_tasmaniensis	CTGAAACTGA	ACCACCTGGT	TGATGACAAA	ATGCATGCAC	GTTCTACCGG	TTCCCTACAGC
E_tracheiphila	CTGAAACTCA	ACCACCTAGT	GGATGATAAA	ATGCATGCAC	GTTCTACCGG	TTCCCTACAGC
E_typographi	CTGAAACTCA	ACCACCTAGT	GGATGACAAG	ATGCATGCAC	GTTCTACCGG	CTCTTACAGC
P_agglomerans	CTGAAACTCA	ACCACCTGGT	TGATGACAAG	ATGCATGCGC	GTTCAACCGG	TTCCCTACAGC
P_beijingensis	CTGAAACTCA	ACCACCTAGT	GGATGACAAA	ATGCATGCAC	GTTCTACCGG	CTCTTACAGC
P_dispersa	CTGAAACTGA	ACCACCTGGT	CGACGACAAG	ATGCACGCCC	GTTCTACCGG	CTCTTACAGC
P_eucalypti	CTGAAACTCA	ACCACCTGGT	TGATGACAAG	ATGCATGCAC	GTTCAACCGG	TTCCCTACAGC
E_sorbitola	CTGAAGCTGA	ACCACCTGGT	TGATGACAAA	ATGCATGCGC	GTTCCACCGG	TTCTTATAGC
E_toletana	CTGAAACTTA	ACCACCTGGT	TGATGACAAG	ATGCATGCAC	GTTCTACCGG	CTCTTACAGC
unknown_DE2	CTGAAACTTA	ACCACCTAGT	GGATGACAAG	ATGCATGCGC	GTTCTACCGG	CTCTTACAGC
unknown_E602	CTGAAACTTA	ACCACCTGGT	TGATGACAAG	ATGCATGCAC	GTTCTACCGG	TTCCCTACAGC
unknown_Ejp617	CTTAAACTGA	ACCACCTGGT	TGATGACAAA	ATGCATGCAC	GTTCTACCGG	TTCCCTACAGC
unknown_QL-Z3	CTGAAACTCA	ACCACCTAGT	GGATGACAAG	ATGCATGCAC	GTTCTACCGG	CTCTTACAGC

7801

ecoli_K12	CTGGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCACAGTTTCG	GTGGTCAGCG	TTTCGGGGAG
C_E_dacicola	CTTGTTACTC	AGCAGCCGCT	GGGTGGTAAA	GCTCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
C_E_haradaeae	TTAGTTACTC	AGCAACCTTT	AGGTGGTAAA	GCTCAATTTG	GCGGGCAACG	TTTTGGCGAG
E_amylovora	CTTGTTACTC	AGCAGCCGCT	GGGTGGTAAA	GCGCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
E_aphidicola	CTTGTTACTC	AGCAGCCGCT	GGGTGGTAAA	GCTCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
E_billingiae	CTCGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGACAGCG	ATTCCGGTGAG
E_endophytica	CTCGTTACTC	AGCAGCCGCT	GGGTGGTAAA	GCGCAGTTTCG	GTGGACAGCG	CTTTGGTGAG
E_iniecta	CTCGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCACAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
E_mallotivora	CTTGTTACTC	AGCAGCCGCT	GGGTGGTAAA	GCGCAGTTTCG	GTGGACAGCG	CTTCGGTGAG
E_oleae	CTTGTTACTC	AGCAGCCGCT	GGGTGGTAAA	GCGCAGTTTCG	GTGGACAGCG	CTTCGGTGAG
E_persicina	CTCGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
E_phyllosphaerae	CTGGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGACAGCG	CTTTGGTGAG
E_piriflorinigrans	CTTGTTACCC	AGCAGCCGCT	GGGTGGTAAA	GCGCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
E_psidii	CTGGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCACAGTTTCG	GTGGACAGCG	CTTCGGTGAG
E_pyrifoliae	CTTGTTACTC	AGCAGCCGCT	GGGTGGTAAA	GCGCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
E_rhapontici	CTCGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
E_tasmaniensis	CTTGTTACCC	AGCAGCCGCT	GGGTGGTAAA	GCGCAGTTTCG	GTGGTCAGCG	TTTCGGTGAG
E_tracheiphila	CTGGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGACAGCG	TTTTGGTGAG
E_typographi	CTCGTTACTC	AGCAACCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGACAGCG	CTTCGGTGAG
P_agglomerans	CTGGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCACAGTTTCG	GTGGTCAGCG	CTTTGGTGAG
P_beijingensis	CTCGTTACTC	AGCAACCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
P_dispersa	CTGGTTACGC	AGCAGCCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
P_eucalypti	CTGGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCACAGTTTCG	GTGGTCAGCG	CTTTGGTGAG
E_sorbitola	CTCGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCACAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
E_toletana	CTCGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCACAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
unknown_DE2	CTCGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGACAGCG	CTTCGGTGAG
unknown_E602	CTGGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
unknown_Ejp617	CTTGTTACCC	AGCAGCCGCT	GGGTGGTAAA	GCGCAGTTTCG	GTGGTCAGCG	CTTCGGTGAG
unknown_QL-Z3	CTCGTTACTC	AGCAGCCGCT	GGGTGGTAAAG	GCGCAGTTTCG	GTGGACAGCG	ATTCCGGTGAG

7861

ecoli_K12	ATGGAAGTGT	GGGCGCTGGA	AGCATAACGGC	GCAGCATACA	CCCTGCAGGA	AATGCTCACC
C_E_dacicola	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTCCAGGA	AATGCTGACC
C_E_haradaeae	ATGGAAGTAT	GGGCGCTGGA	AGCATAACGGA	GCTTCATATA	CTTTGCAGGA	AATGCTGACC
E_amylovora	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTGACC
E_aphidicola	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTGACC
E_billingiae	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCTTATA	CCCTGCAGGA	AATGCTGACC
E_endophytica	ATGGAAGTGT	GGGCGCTGGA	AGCATAACGGC	GCCGCTTATA	CCCTGCAGGA	AATGCTGACC
E_iniecta	ATGGAAGTGT	GGGCGCTGGA	AGCATAACGGC	GCTGCCTATA	CTCTGCAGGA	AATGCTCACC
E_mallotivora	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCTGCCTACA	CCCTGCAGGA	AATGCTGACC
E_oleae	ATGGAAGTGT	GGGCGCTGGA	AGCATAACGGC	GCCGCGTATA	CCCTGCAGGA	AATGCTGACC
E_persicina	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTGACC
E_phyllosphaerae	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCTTATA	CCCTGCAGGA	AATGCTGACC
E_piriflorinigrans	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTGACC
E_psidii	ATGGAAGTGT	GGGCGCTGGA	AGCATAACGGT	GCCGCTTATA	CCCTGCAGGA	AATGCTGACC
E_pyrifoliae	ATGGAAGTAT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTGACC
E_rhapontici	ATGGAAGTAT	GGGCACTGGA	AGCATAACGGT	GCCGCTTATA	CCCTGCAGGA	AATGCTGACC
E_tasmaniensis	ATGGAAGTAT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTGACC
E_tracheiphila	ATGGAAGTGT	GGGCGCTGGA	AGCATAACGGT	GCCGCTTATA	CCCTGCAGGA	AATGCTGACC
E_typographi	ATGGAAGTGT	GGGCGCTGGA	AGCCTACGGC	GCCGCTTATA	CCCTGCAGGA	AATGCTGACC
P_agglomerans	ATGGAAGTAT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTTACC
P_beijingensis	ATGGAAGTGT	GGGCGCTGGA	AGCATAACGGC	GCTGCCTATA	CGCTGCAAGA	AATGCTCACT
P_dispersa	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTTACC
P_eucalypti	ATGGAAGTAT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTTACC
E_sorbitola	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTGACC
E_toletana	ATGGAAGTGT	GGGCGCTGGA	AGCATAACGGC	GCTGCCTATA	CGCTGCAAGA	AATGCTCACC
unknown_DE2	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGC	GCCGCTTATA	CCCTGCAGGA	AATGCTGACC
unknown_E602	ATGGAAGTAT	GGGCACTGGA	AGCATAACGGT	GCCGCATATA	CCCTGCAGGA	AATGCTGACC
unknown_Ejp617	ATGGAAGTGT	GGGCGCTGGA	AGCATAACGGT	GCCGCGTATA	CCCTGCAGGA	AATGCTGACC
unknown_QL-Z3	ATGGAAGTGT	GGGCACTGGA	AGCATAACGGT	GCCGCTTATA	CCCTGCAGGA	AATGCTGACC

7921

ecoli_K12	GTTAAGTCTG	ATGACGTGAA	CGGTCTGTACC	AAGATGTATA	AAAACATCGT	GGACGGCAAC
C_E_dacicola	GTGAAGTCTG	ATGACGTCAA	CGGTCTGTACC	ATGATGTATA	AAAACATCGT	TGACGGCAAT
C_E_haradaeae	GTTAAATCTG	ACGACGTGAA	TGGTCGAAC	AAAAATGTATA	AAAAATATTGT	TGATGGACAT
E_amylovora	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AGAACATCGT	CGACGGCAAC
E_aphidicola	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAT
E_billingiae	GTGAAGTCTG	ATGACGTCAA	TGGCCGTACC	AAGATGTATA	AAAACATCGT	GGACGGTAAC
E_endophytica	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAT
E_iniecta	GTTAAGTCTG	ATGACGTCAA	CGGCCGTACT	AAGATGTATA	AGAACATCGT	GGACGGCAAC
E_mallotivora	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AGAACATCGT	TGACGGCAAC
E_oleae	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
E_persicina	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
E_phyllosphaerae	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
E_piriflorinigrans	GTGAAGTCTG	ATGACGTCAA	TGGCCGTACC	AAGATGTATA	AAAACATCGT	CGACGGTAAC
E_psidii	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
E_pyrifoliae	GTGAAGTCTG	ATGACGTCAA	TGGCCGTACC	AAGATGTATA	AAAACATCGT	CGACGGTAAC
E_rhapontici	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAT
E_tasmaniensis	GTGAAGTCTG	ATGACGTCAA	TGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
E_tracheiphila	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
E_typographi	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
P_agglomerans	GTTAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGTAAC
P_beijingensis	GTTAAGTCTG	ATGACGTCAA	TGGTCGTACT	AAGATGTATA	AGAACATCGT	AGACGGCAAC
P_dispersa	GTTAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
P_eucalypti	GTTAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGTAAC
E_sorbitola	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
E_toletana	GTTAAGTCTG	ATGACGTCAA	CGGTCTGTACT	AAGATGTATA	AGAACATCGT	GGACGGCAAC
unknown_DE2	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
unknown_E602	GTGAAGTCTG	ATGACGTCAA	CGGCCGTACC	AAGATGTATA	AAAACATCGT	TGACGGCAAC
unknown_Ejp617	GTGAAGTCTG	ATGACGTCAA	TGGCCGTACC	AAGATGTATA	AAAACATCGT	CGACGGTAAC
unknown_QL-Z3	GTGAAGTCTG	ATGACGTCAA	TGGCCGTACC	AAGATGTATA	AAAACATCGT	GGACGGTAAC

7981

ecoli_K12	CATCAGATGG	AGCCGGGCAT	GCCAGAATCC	TTCAACGTAT	TGTTGAAAGA	GATTCGTTCTG
C_E_dacicola	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
C_E_haradaeae	CATCAGATGG	AACCGGGCAT	GCCAGAATCC	TTCAATGTAC	TTTTTAAAAGA	GATTCGTTCTG
E_amylovora	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_aphidicola	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_billingiae	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_endophytica	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAT	TGTTGAAAGA	GATCCGCTCG
E_iniecta	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_mallotivora	CATCAGATGG	AGCCAGGCAT	GCCGGAATCC	TTCAACGTTC	TGTTGAAAGA	GATCCGCTCG
E_oleae	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTGC	TGTTGAAAGA	GATCCGCTCG
E_persicina	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_phyllosphaerae	CATCAGATGG	AGCCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_piriflorinigrans	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGTTCTG
E_psidii	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_pyrifoliae	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_rhapontici	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_tasmaniensis	CATCAGATGG	AACCGGGCAT	GCCGGAGTCG	TTCAACGTAC	TGTTGAAAGA	GATCCGTTCTG
E_tracheiphila	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_typographi	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
P_agglomerans	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATTCGCTCG
P_beijingensis	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTGC	TGTTGAAAGA	GATCCGCTCG
P_dispersa	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATTCGCTCG
P_eucalypti	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATTCGCTCG
E_sorbitola	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
E_toletana	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
unknown_DE2	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
unknown_E602	CATCAGATGG	AACCGGGCAT	GCCAGAATCC	TTCAACGTAC	TGTTGAAAGA	GATTCGCTCG
unknown_Ejp617	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG
unknown_QL-Z3	CATCAGATGG	AACCGGGCAT	GCCGGAATCC	TTCAACGTAC	TGTTGAAAGA	GATCCGCTCG

8041

ecoli_K12	CTGGGTATCA	ACATCGAAGT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACGATTAAA
C_E_dadicola	CTGGGCATCA	ACATTGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
C_E_haradaeae	CTGGGTATCA	ATATCGAGCT	AGAAGATGAT	GAAATAGATGA	CGAGAGATGT	GACCATAAAA
E_amylovora	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
E_aphidicola	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
E_billingiae	CTGGGTATTA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCTGTAAAA
E_endophytica	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCATAAAA
E_iniecta	CTGGGTATCA	ACATCGAGCT	GGAAGACGAA	TAA-----A	TGACAGATGT	AACCGTAAAA
E_mallotivora	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
E_oleae	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
E_persicina	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
E_phyllosphaerae	CTGGGCATTA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCTGTAAAA
E_piriflorinigrans	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
E_psidii	CTAGGTATTA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
E_pyrifoliae	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
E_rhapontici	CTGGGTATTA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
E_tasmaniensis	CTGGGTATTA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
E_tracheiphila	CTGGGTATTA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
E_typographi	CTGGGTATTA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
P_agglomerans	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
P_beijingensis	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
P_dispersa	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
P_eucalypti	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
E_sorbitola	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
E_toletana	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCGTAAAA
unknown_DE2	CTGGGTATTA	ACATCGAGCT	TGAAGACGAG	TAA-----A	TGACAGATGT	AACCTGTAAAA
unknown_E602	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
unknown_Ejp617	CTGGGTATCA	ACATCGAGCT	GGAAGACGAG	TAA---ATGA	CGACAGATGT	AACCGTAAAA
unknown_QL-Z3	CTGGGTATTA	ACATCGAGCT	GGAAGACGAG	TAA-----A	TGACAGATGT	AACCTGTAAAA

8101

ecoli_K12	ACGCTGGCCG	CAGAGCGACA	GACCTCCGTG	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
C_E_dadicola	TGGCTGACCG	CAGAGATTCA	GACACCGCTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
C_E_haradaeae	TGGCTGGCTA	TAGAAATTCA	GACATCGATA	GAACGCCTAG	TACAGAAATT	TGCTGATGCG
E_amylovora	ACGCTGGCCA	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAGTT	TGCTGATGCA
E_aphidicola	TGGCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
E_billingiae	TGGCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAGTT	TGCTGATGCA
E_endophytica	TGGCTGGCCG	CAGAGATTCA	GACCCCGGTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
E_iniecta	TGGCTGGCCG	CAGAGATAGA	GACCTCCGTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
E_mallotivora	TGGCTGGCCG	CAGAAAATTCA	GACTCCGGTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
E_oleae	TGGCTGGCCG	CAGAGATTCA	GACCCCGGTA	GAACGCCTGG	TACAGCAGTT	TGCTGATGCA
E_persicina	TGGCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAATT	TGCTGACGCA
E_phyllosphaerae	TGGCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
E_piriflorinigrans	TGGCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
E_psidii	TGGCTGGCCG	CAGAGATTCA	GACTCCGGTA	GAACGCCTGG	TACAGCAATT	CGCTGATGCA
E_pyrifoliae	ACGCTGGCTG	CAGAGATTCA	GACGCGGTA	GAACGCCTGG	TACAGCAGTT	TGCTGATGCA
E_rhapontici	TCCCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
E_tasmaniensis	TGGCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAGTT	TGCTGATGCA
E_tracheiphila	TGGCTGGCCG	CAGAGATTCA	GACTCCGGTA	GAACGCCTGG	TACAGCAATT	CGCTGACGCA
E_typographi	TGGCTGGCCG	CAGAGATTCA	GACCCCGGTA	GAACGCCTGG	TACAGCAATT	CGCTGATGCA
P_agglomerans	TGGCTGGCCG	CAGAAAATTCA	GACTCCGGTC	GATCGCCTGG	TACAGCAATT	TGCTGATGCG
P_beijingensis	TGGCTGGCCG	CAGAGATTCA	GACCCCGGTA	GAACGCCTGG	TACAGCAGTT	TGCTGATGCA
P_dispersa	TGGCTGGCCG	CGAAAATTCA	GACTCCGGTC	GATCGCCTGG	TACAGCAATT	TGCTGATGCA
P_eucalypti	TGGCTGGCCG	CAGAAAATTCA	GACTCCGGTC	GATCGCCTGG	TACAGCAATT	TGCTGATGCG
E_sorbitola	TGGCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
E_toletana	TGGCTGGCCG	CAGAGATAGA	GACTTCGGTA	GAACGCCTGG	TACAGCAATT	CGCTGACGCA
unknown_DE2	TGGCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAATT	TGCTGATGCA
unknown_E602	TCACTGGCCG	CAGAGATTCA	GACCTCCGTT	GATCGCCTGG	TACAGCAGTT	TGCTGATGCA
unknown_Ejp617	ACGCTGGCTG	CAGAGATTCA	GACGCGGTA	GAACGCCTGG	TACAGCAGTT	TGCTGATGCA
unknown_QL-Z3	TGGCTGGCCG	CAGAGATTCA	GACACCGGTA	GAACGCCTGG	TACAGCAGTT	TGCTGATGCA

8161

ecoli_K12	GGTATCCGGA	AGTCTGCTGA	CGACTCTGTG	TCTGCAAAAG	AGAAAAGAGAC	TTTGATTGAC
C_E_dadicola	AGGATCCAAA	ACTCTGAAAC	TGACTCTGTT	GCCCAGCAG	AAAAAGAGAC	ATTACTTACC
C_E_haradaeae	GGAAATGCAAA	AAACTGAAAC	TGATTTTGTT	AATCAGAATG	AAAAAGAGGC	ACTGCTTGCT
E_amylovora	GGGATCCAAA	AGTCTGAGAC	CGACTCTGTA	ACCCAGCATG	AAAAAGAGAC	TTTACTTGCC
E_aphidicola	GGGATCCAAA	AGTCTGAAAC	CGACTCTGTT	ACCCAGCAG	AGAAAAGAGAC	ATTACTTACC
E_billingiae	GGGATCCGCA	AGTCTGAAAC	TGATTTCTGTG	ACGCAGCAGG	AAAAAGAAAC	GCTCCTGACC
E_endophytica	GGGATCCGCA	AGTCTGCGAC	TGACTCTGTG	ACCCAGCAGG	AAAAAGAAAC	GCTCCTTACC
E_iniecta	GGGATCCGTA	AGTCTGAAAC	TGACTCTGTG	ACCCAGCAGG	AAAAAGAAAC	CTTACTGACG
E_mallotivora	GGGATCCGCA	AGTCTGCCAC	AGACTCTGTG	ACACAGCAGG	AAAAAGAGAC	CCTTCTCACT
E_oleae	GGGATCCGTA	AGTCTGAAAC	AGATTCTGTG	ACGCAGCATG	AAAAAGAAAC	GCTCCTGAAC
E_persicina	GGGATCCAAA	AGTCTGAAAC	TGACTCTGTT	ACCCAGCAG	AAAAAGAGAC	ATTGCTGACC
E_phyllosphaerae	GGGATCCGCA	AGTCTGAGAA	CGACTCTGTG	ACCCAGCAGG	AAAAAGAGAC	GCTCCTTACC
E_piriflorinigrans	GGGATCCAAA	AGTCTGAAAC	CGACTCTGTT	ACCCAGCATG	AAAAAGAGAC	ATTACTTACC
E_psidii	GGGATCCGTA	AGTCTGCCGC	TGATTTCTGTG	ACGCAGCAGG	AAAAAGAAAC	GCTCCTGACT
E_pyrifoliae	GGGATCCAAA	AGTCTGAGAC	CGACTCTGTA	ACCCAGCATG	AAAAAGAGAC	TCTACTTGCC
E_rhapontici	GGGATCCAAA	AGTCTGAGAC	TGACTCTGTT	ACCCAGCATG	AAAAAGAGAC	TTTGCTGACC
E_tasmaniensis	GGGATCCGTA	AGTCTGCCAC	TGATTTCTGTG	ACACAGCAGG	AAAAAGAAAC	GCTTCTGACC
E_typographi	GGGATCCGCA	AGTCTGAGAC	AGATTCTGTG	ACGCAGCATG	AAAAAGAAAC	GCTCCTTACC
P_agglomerans	GGGATCCCTA	AGTCTGAAAA	TGACGCGGTG	ACCCAGCAA	AGAAAAGAAAC	CTTACTATCT
P_beijingensis	GGGATCCGGA	AATCTGAAAC	TGACTCTGTA	ACCCAGCAGG	AAAAAGAAAC	CTTACTGACG
P_dispersa	GGGATCCGTA	AGTCTGAAAA	TGACGCGGTA	TCCCAGCAAG	AGAAAGAGAC	CTTACTTGCC
P_eucalypti	GGTATCCCTA	AGTCTGAAAA	TGACGCGGTG	AGCCAGCAA	AGAAAAGAAAC	CTTACTATCT
E_sorbitola	GGGATCCAAA	AGTCTGAAAC	CGACTCTGTA	ACCCAGCAG	AAAAAGAAAC	TTTGTTAACC
E_toletana	GGGATCCGTA	AGTCTGAAAC	TGACTCTGTG	ACCCAGCAGG	AAAAAGAAAC	CTTACTGACG
unknown_DE2	GGGATCCGCA	AGTCTGAAAC	CGACTCTGTG	ACGCAGCAGG	AAAAAGAAAC	GCTCCTTACC
unknown_E602	GGGATTAACA	AGTCTGAAAC	TGACTCTGTT	ACCCAGCAGG	AAAAAGAGAC	ATTACTTAAT
unknown_Ejp617	GGGATCCAAA	AGTCTGAGAC	CGACTCTGTA	ACCCAGCATG	AAAAAGAGAC	TCTACTTGCC
unknown_QL-Z3	GGGATCCGCA	AGTCTGAAAC	TGATTTCTGTG	ACGCAGCAGG	AAAAAGAAAC	GCTCCTGACC

8221

ecoli_K12	CACCTGAATC	AGAAAAAT--	----TCAGGC	CCGGACAAAT	TGACGCTGCA	ACGTAAAACA
C_E_dadicola	CATCTGAATC	GCGATCATGG	C---GGCGTA	TCTGGTAAGC	TGACTTTGCA	GCGCAAGACG
C_E_haradaeae	CATCTTAACT	GTAATCATGA	T---AGTGGG	TTAGGTAAAT	TGACTTTTACA	ACGCAAAACG
E_amylovora	CATCTCAACC	GTGACCATGG	C---GGTGGG	TCTGGTAAAC	TGACTCTGCA	GCGCAAGACG
E_aphidicola	CATCTGAATC	GCGATCATGG	C---GGCGGA	TCTGGTAAGC	TGACTTTGCA	GCGCAAGACG
E_billingiae	CATTTGAATC	GCGATCATAA	C---GGCGGT	TCAGGTAAAC	TGACTCTGCA	GCGCAAGACG
E_endophytica	CATTTGAACC	GTGATCAAAA	C---GGCGGT	TCTGGTAAAC	TGACTCTGCA	GCGTAAAACG
E_iniecta	CACCTGAATC	GTGAGCACGG	C---AGCGTG	TCAAGTAAGC	TGACCTTGCA	GCGCAAAACG
E_mallotivora	CATTTGAACC	GTGCCCCAAA	T---GGCGGT	TCTGGTAAGC	TGACTTTTACA	GCGCAAAACG
E_oleae	CACCTGAACC	GCGATCATAG	C---GGCGGT	ACGGGAAAAAC	TGACTTTGCA	GCGTAAAACG
E_persicina	CATCTGAACC	GCGAACATGG	C---GGCGGA	TCTGGTAAGC	TTACTCTGCA	GCGCAAAACG
E_phyllosphaerae	CATCTGAATC	GCGACAACAA	C---GGCGGT	TCTGGTAAAC	TGACATTACA	GCGCAAAACG
E_piriflorinigrans	CACCTGAACC	GTGAGCACGG	T---GGTGGG	ACGAGTAAAC	TGACTCTGCA	GCGCAAGACG
E_psidii	TATCTGAATC	GTGCTCAGAA	T---GGCGAT	TCTGGTAAAC	TTACTTTGCA	GCGCAAGACG
E_pyrifoliae	CATCTGAACC	GTGACCATGG	C---AGTGGG	TCTGGTAAAC	TGACTCTGCA	GCGCAAGACG
E_rhapontici	CATCTGAACC	GCGAACATGG	C---GGTGGG	TCTGGTAAAG	TTACTCTGCA	GCGCAAAACG
E_tasmaniensis	CACCTGAACC	GCGAACACGG	T---GGTGGG	ACAAGTAAGC	TGACTCTGCA	GCGCAAAACG
E_tracheiphila	TACCTGAATC	GTGCTCAAAA	T---GGCGAT	TCTGGTAAAT	TGACCTTGCA	GCGCAAGACG
E_typographi	CATCTGAATC	GCGATCATAA	C---GGCGGT	ACAGGTAAAC	TGACTCTGCA	GCGCAAAACG
P_agglomerans	CATCTGAACC	GTGAACACGG	TCAGGTGGGT	TCAGCTAAGC	TGACGCTGCA	GCGTAAAACG
P_beijingensis	CACCTGAATC	GTGAACACGG	C---AGCGTG	TCAAGTAAGC	TGACGTTGCA	GCGCAAGACG
P_dispersa	CACCTGAATC	GTGAGCACGG	TCAGACCGGT	TCAGGCAAAC	TGACGTTGCA	GCGCAAAACG
P_eucalypti	CATCTGAACC	GTGAACACGG	TCAGGTGGGT	TCAGCTAAGC	TGACGTTGCA	GCGTAAAACG
E_sorbitola	CATCTGAACC	GCGAACATGG	C---GGCGGA	TCTGGTAAAC	TTACTCTGCA	GCGCAAAACG
E_toletana	CACCTGAATC	GTGAGCACGG	C---AGCGTG	TCAAGTAAGC	TGACCTTGCA	GCGCAAAACG
unknown_DE2	CATTTGAATC	GCGATCATAA	T---GGCGGT	TCAGGTAAAC	TGACTCTGCA	GCGCAAAACG
unknown_E602	CATCTGCATC	GCGAACACGG	T---GGCGGA	TCTGATAAAC	TGACTCTGCA	GCGTAAAACA
unknown_Ejp617	CATCTGAACC	GTGACCATGG	C---GGTGGG	TCTGGTAAAC	TGACTCTGCA	GCGCAAGACG
unknown_QL-Z3	CATTTGAATC	GCGATCATAA	C---GGCGGT	TCAGGTAAAC	TGACTCTGCA	GCGCAAGACG

8281

ecoli_K12	CGCAGCACCC	TTAACAATTCC	TGGTACCGGT	GGAAAAAGCA	AATCGGTACA	AATCGAAGTC
C_E_dadicola	CGCAGCACAT	TAAGTGTCT	AGGCACCGGG	GGCAAAAAGTA	AGTCGGTGCA	AATCGAAGTC
C_E_haradaeae	CGCAGCACCT	TGAACGTTCT	AGGTACCTGGA	GGTAAAAAGGA	AATCAGTGCA	AATTGAGATC
E_amylovora	CGCAGCACCC	TGAATGTTCC	TGGCACC	GGCAAAAAGTA	AATCGGTGCA	AATCGAAGTC
E_aphidicola	CGCAGCACAT	TAAGTGTCT	AGGCACCGGG	GGCAAAAAGTA	AGTCGGTGCA	AATCGAAGTC
E_billingiae	CGCAGCACCT	TGAATGTTCC	CGTTACCGGG	GGCAAAAAGCA	AGTCAGTACA	AATTGAAGTC
E_endophytica	CGCAGTACCT	TGAATATTCC	TGGCACC	GGTAAAAAGTA	AATCGGTGCA	AATTGAAGTC
E_iniecta	CGCAGCACCC	TGAATATTCC	TGGCACC	GGTAAAAAGTA	AATCGGTGCA	AATCGAAGTC
E_mallotivora	CGCAGTACCT	TGAATATTCC	AGGCACCGGG	GGTAAAAAGTA	AATCGGTGCA	AATTGAAGTC
E_oleae	CGCAGCACCT	TGAATATTCC	CGGCACC	GGTAAAAAGTA	AATCGGTGCA	GATCGAAGTC
E_persicina	CGCAGCACCT	TGAATGTTCC	AGGCACCGGG	GGCAAAAAGTA	AGTCGGTGCA	AATCGAAGTC
E_phyllosphaerae	CGCAGTACCT	TGAACATCCC	GGGCACCGGG	GGTAAAAAGTA	AATCGGTGCA	AATCGAAGTC
E_piriflorinigrans	CGCAGCACCT	TGAATGTTCC	TGGCACC	GGCAAAAAGTA	AATCGGTGCA	AATCGAAGTC
E_psidii	CGCAGCACCT	TGAATATTCC	TGGCACC	GGTAAAAAGTA	AATCGGTGCA	AATTGAAGTC
E_pyrifoliae	CGCAGCACCT	TGAATGTTCC	CGGCACC	GGCAAAAAGTA	AAGCGGTGCA	AATCGAAGTC
E_rhapontici	CGCAGCACCT	TGAATGTTCC	AGGCACC	GGCAAAAAGTA	AGTCGGTGCA	AATCGAAGTC
E_tasmaniensis	CGCAGCACCT	TGAATGTTCC	CGGCACC	GGCAAAAAGTA	AATCGGTGCA	AATCGAAGTC
E_tracheiphila	CGCAGCACCT	TGAATATTCC	AGGTACCTGGC	GGTAAAAAGTA	AATCTGTGCA	AATTGAAGTC
E_typographi	CGCAGCACCT	TGAATGTTCC	CGTACCGGG	GGTAAAAAGTA	AGTCGGTACA	AATTGAAGTC
P_agglomerans	CGCAGCACCT	TGAATATTCC	AGGCACCGGG	GGTAAAAAGTA	AGTCGGTGCA	AATTGAAGTC
P_beijingensis	CGCAGCACCT	TGAATATTCC	TGGCACC	GGTAAAAAGTA	AATCGGTGCA	AATCGAAGTC
P_dispersa	CGCAGCACCT	TGAATATTCC	AGGCACCGGG	GGTAAAAAGTA	AGTCGGTGCA	AATCGAAGTC
P_eucalypti	CGCAGCACCT	TGAATATTCC	AGGCACCGGG	GGTAAAAAGTA	AGTCGGTGCA	AATTGAAGTC
E_sorbitola	CGCAGCACAC	TGAATGTTCC	AGGCACCGGG	GGCAAAAAGTA	AGTCGGTGCA	AATCGAAGTC
E_toletana	CGCAGCACCT	TGAATATTCC	AGGCACCGGG	GGTAAAAAGTA	AATCGGTGCA	AATCGAAGTC
unknown_DE2	CGCAGCACCT	TGAACGTTCC	CGGTACCGGG	GGTAAAAAGTA	AGTCGGTACA	AATTGAAGTC
unknown_E602	CGCAGCACCC	TGAACATCCC	CGTACCGGGT	GGCAAAAAGCA	AGTCGGTGCA	AATCGAAGTC
unknown_Ejp617	CGCAGCACCT	TGAATGTTCC	CGGCACC	GGCAAAAAGTA	AAGCGGTGCA	AATCGAAGTC
unknown_QL-Z3	CGCAGCACCT	TGAATGTTCC	CGTTACCGGG	GGCAAAAAGCA	AGTCAGTACA	AATTGAAGTC

8341

ecoli_K12	CGCAAGAAAC	GCACCTTATGT	GAAAGGCGAT	CCGCAAGAGG	CTGAA-----	CGCCITGCA
C_E_dadicola	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCGGCTGATG	CTGAA-----	CAGGCAGAA
C_E_haradaeae	CGAAAAAAGC	GTACCTATATC	AAATTTGCTCT	TCAACTCGTG	TAATA-----	CAAGGAGAA
E_amylovora	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCGGCTAATG	CTGAA-----	CAGGCAGAA
E_aphidicola	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCGGCTGATG	CTGAA-----	CAGGCAGAA
E_billingiae	CGCAAAAAAGC	GCACCTTATGT	AAAAAGGCGAT	CCTGCAGAAG	CTGAA-----	CAGGCTGAA
E_endophytica	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCTGCAGAGG	CTGAA-----	CAGGCCGAA
E_iniecta	CGCAAAAAAGC	GCACCTTATGT	GAAGGGCGA-	--AACTGACG	CTGAA-----	CAAGCGGAA
E_mallotivora	CGCAAAAAAC	GCACCTTATGT	AAAAAGGTGAC	GCTGCTGAAG	CTGAA-----	CAAGCGGAA
E_oleae	CGCAAAAAAGC	GCACCTTATGT	GAAAGGCGAT	CCTGCCGAAG	CCGCA-----	CAGGCAGAA
E_persicina	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCGGCCGATG	CTGAA-----	CAGGCAGAA
E_phyllosphaerae	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCTGCAGATG	CCGCT-----	CAGGCAGAA
E_piriflorinigrans	CGCAAAAAAGC	GCACCTTATGT	AAAAAGGCGAT	CCGGCTAATG	CTGAA-----	CAGGCAGAA
E_psidii	CGCAAAAAAGC	GTACCTTATGT	AAAAAGGCGAT	CCTGCAGAGG	CTGAA-----	CAGGCTGAA
E_pyrifoliae	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCGGCTAATG	CTGAA-----	CAGGCAGAA
E_rhapontici	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCGGCTGATG	CTGAA-----	CAAGCAGAA
E_tasmaniensis	CGCAAAAAAGC	GCACCTTATGT	AAAAAGGCGAT	CCGGCTAATG	CTGAA-----	CAGGCAGAA
E_tracheiphila	CGCAAAAAAC	GTACCTTATGT	AAAAAGGTGAT	ACTGCAGAAG	CTGAA-----	CA-----A
E_typographi	CGCAAAAAAGC	GCACCTTATGT	AAAAAGGCGAT	GCTGCAGAAG	CTGAA-----	CAGGCAGAA
P_agglomerans	CGCAAAAAAGC	GTACCTTATGT	GAAGGGTGAT	---GCAGAGG	CTGAGCAAGC	TCAGGCAGAA
P_beijingensis	CGCAAAAAAGC	GCACCTACGT	AAAAAGGCGA-	--AGCTGATG	CTGAT-----	CAGGCTGAA
P_dispersa	CGCAAAAAAGC	GCACATACGT	GAAAGGTGAT	---GCCGACG	CTGAGCAAGC	TCAGGCAGAA
P_eucalypti	CGCAAAAAAGC	GTACCTTATGT	GAAAGGTGAT	---GCAGAGT	CTGAGCAAGC	TCAGGCAGAA
E_sorbitola	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCGGCAGATG	CTGAA-----	CAAGCAGAA
E_toletana	CGCAAAAAAGC	GCACCTTATGT	GAAGGGCGA-	--AACTGACG	CTGAA-----	CAAGCGGAA
unknown_DE2	CGCAAAAAAGC	GCACCTTATGT	AAAAAGGCGAT	CCTGCAGAAG	CTGAA-----	CAGGCTGAA
unknown_E602	CGCAAAAAAGC	GCACCTTATGT	AAACAGGCTCG	CAGGCTGAAG	CTGAA-----	CAGGCAGAA
unknown_Ejp617	CGCAAAAAAC	GCACCTTATGT	AAAAAGGCGAT	CCGGCTAATG	CTGAA-----	CAGGCAGAA
unknown_QL-Z3	CGCAAAAAAGC	GCACCTTATGT	AAAAAGGCGAT	CCTGCAGAAG	CTGAA-----	CAGGCTGAA

8401

ecoli_K12	GC	GAAG	AGC	AAG	CGC	AGC	CG	TGA	AGCG	GAA	GAG	CAAG	CCC	GTC	GTGAGG	AGA	GAAT	CG
C_E_dadicola	TC	AGAAG	CCC	GGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTT	GT	AGCGAGG	TAA	GAAC	AA
C_E_haradaeae	GA	AGAAA	CGC	AAG	TAT	TCG		TGA	ATC	TAAA	TC	TG	TGAGT	GT	CGTAAAG	TAA	TTC	TAAA
E_amylovora	GC	AGAAG	CGC	AGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAAT	TA
E_aphidicola	GC	AGAAG	CCC	AGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAC	AA
E_billingiae	GC	AGAAG	AGC	AGG	CAC	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGT	TGAGG	TGA	AGAAAA
E_endophytica	GC	AGAAG	AGC	AGG	CAC	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAAA	
E_iniecta	GC	AGAAG	CGC	AGG	CAC	AGC	CG	TGA	AGCG	GAA	GAA	CAGG	CTC	GT	---	GAGG	TGA	AGAAAA
E_mallotivora	GC	AGAAG	AGC	AGG	CAC	AGC	CG	TGA	AGCG	GAA	GAA	CAGG	CTC	GT	CGCGAGG	TGA	AGAC	AAA
E_oleae	GC	AGAAG	AGC	AGG	CGC	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	AT	CGCGAGG	TGA	AGAAAA	
E_persicina	GCG	GAAG	CCC	AGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAC	CAG
E_phyllosphaerae	GC	AGAAG	AGC	AGG	CGC	AGC	CG	TGA	AGCG	GAA	GAA	ATGG	CTC	GT	CGCGAGG	TGA	AGAAAA	
E_piriflorinigrans	GCT	GAAG	CGC	AGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAAA	
E_psidii	GC	AGAAG	AGC	AGG	CAC	AGC	CG	TGA	AGCG	GAA	GAA	CGGG	CGC	GT	CGCGAGG	TGA	AGAAAA	
E_pyrifoliae	GC	AGAAG	CGC	AGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAAT	TA
E_rhapontici	GCG	GAAG	CCC	AGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAC	CAA
E_tasmaniensis	GCT	GAAG	CGC	AGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAAA	
E_tracheiphila	GC	AGAAG	CGC	AGG	CAC	AGC	CG	GA	AGC	AGAA	GAG	CTGG	CTC	GT	CGCGAGG	TGA	AGAAAA	
E_typographi	GC	AGG	AGC	AGG	CAC	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAAA	
P_agglomerans	GCT	GAAG	CCG	AGG	CGC	AGC	CG	TGA	AGCG	GAA	GAG	CAGG	CGC	AA	CGCGAGG	TGA	AGAAAA	
P_beijingensis	GC	AGAAG	CGC	AGG	CGC	AGC	CG	TGA	AGCG	GAA	GAA	CAGG	CCC	AT	CGTGAAG	TGA	AGAAC	CAG
P_dispersa	GC	AGAAG	CCG	AGG	CGC	AGC	CG	TGA	AGCG	GAA	GAG	CAGG	CGC	GT	CGCGAGG	TGA	AGAAC	CAA
P_eucalypti	GCT	GAAG	CCG	AGG	CGC	AGC	CG	TGA	AGCG	GAA	GAG	CAGG	CGC	AA	CGCGAGG	TGA	AGAAAA	
E_sorbitola	GCT	GAAG	CCC	AGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAC	CAA
E_toletana	GC	AGAAG	CGC	AGG	CAC	AGC	CG	TGA	AGCG	GAA	GAA	CAGG	CTC	GT	---	GAGG	TGA	AGAAAA
unknown_DE2	GCG	GAAG	AGC	AGG	CAC	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAAA	
unknown_E602	GCT	GAAG	CTC	AGG	CGC	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGCGAGG	TGA	AGAAAA	
unknown_Ejp617	GC	AGAAG	CGC	AGG	CAG	AGC	CG	TGA	AGCG	GAA	GAA	CCGG	CTC	GT	CGCGAGG	TGA	AGAAAT	TA
unknown_QL-Z3	GC	AGAAG	AGC	AGG	CAC	AGC	CG	TGA	AGCG	GAA	GAA	CTGG	CTC	GT	CGT	TGAGG	TGA	AGAAAA

8461

ecoli_K12	GCT	AAAC	CGG	AGG	----	C	GCA	CAAAAA	GCT	GAAC	GTG	AGG	CCG	CAGA	ACA	AGC	TAA	G
C_E_dadicola	GCCC	AGCG	CGG	CGG	----	C	TC	AGACAAA	GCG	GAAG	CGTG	AAG	TC	GAGGA	GC	AGG	CC	AAG
C_E_haradaeae	TCT	CAAA	TTT	TAG	AA	TAAA	TT	CAGAC	TTA	ACT	AAACATG	TA	----	GA	GAAA	ACT	AA	G
E_amylovora	GCT	CAG	CGG	AAG	----	C	TC	AGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGTG	GC	AGG	CC	AAG
E_aphidicola	GCCC	AGCG	CGG	CAG	----	C	TC	AGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAG
E_billingiae	GCC	AAG	CGTG	AAG	----	C	CC	AAGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CT	AAA
E_endophytica	GCCC	AGCG	CGG	AAG	----	C	TC	AGAGAAA	GCG	GAAG	CGTG	AAG	CCG	GAGA	GCT	TGG	CT	AAA
E_iniecta	GCT	AAAC	CTG	AAG	----	C	AG	CAGACAAA	GCC	AAAC	GTG	AAG	CCG	GAAGA	GC	AAG	CC	AAA
E_mallotivora	GCCC	AGCG	CGG	AAG	----	C	TC	AGGATAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CT	AAA
E_oleae	GCCC	AAAC	CGG	AAG	----	C	TC	AGAAAAA	GCG	GAAC	CGTG	AAG	CCG	GAGGA	GC	AC	CT	AAA
E_persicina	GCCC	CTCG	CGG	CAG	----	C	TC	AGACAAA	GCA	AAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAG
E_phyllosphaerae	GCCC	AGCG	CGG	AAG	----	C	TC	AGAAAAA	GCG	CAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAA
E_piriflorinigrans	GCCC	AGCG	CGG	AAG	----	C	TC	AGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAG
E_psidii	GCCC	AGCG	CGG	AAG	----	C	TC	AGAGAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CT	AAA
E_pyrifoliae	GCCC	AGCG	CGG	AAG	----	C	TC	AGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAG
E_rhapontici	GCCC	AGCG	CGG	CAG	----	C	TC	AGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAA
E_tasmaniensis	GCCC	AGCG	CGG	AAG	----	C	TC	AGACAAA	GCA	AAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAG
E_tracheiphila	GCCC	AGCG	CGG	AAG	----	C	TC	AGAGAAA	GCG	GAAG	CGTG	AGG	CCG	GAAGA	GC	AGG	CT	AAA
E_typographi	GCC	AAG	CGG	AAG	----	C	TC	AGAGAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CT	AAA
P_agglomerans	GCCC	GT	CGG	AAG	----	C	TG	ACAGAAA	GCG	CAAC	GTG	AAG	CCG	GAAGA	TAA	AG	CC	AGG
P_beijingensis	GCT	AAAC	CGG	AAG	----	C	AG	CAGAAAA	GCG	GAAG	CGCG	AT	GCC	GAAGA	GCA	AG	CC	AAA
P_dispersa	GCCC	GT	CGG	AAG	----	C	TG	ACAAAAA	GCG	CAAC	GTG	AAG	CCG	GAAGA	GAA	AG	CC	AAG
P_eucalypti	GCCC	GT	CGG	AAG	----	C	TG	ACAGAAA	GCG	CAAC	GTG	AAG	CCG	GAAGA	CAA	AG	CC	AAG
E_sorbitola	GCCC	AGCG	CGG	CAG	----	C	TC	AGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAG
E_toletana	GCT	AAAC	CTG	AAG	----	C	AG	CAGACAAA	GCG	AAAC	GTG	AAG	CCG	GAAGA	GCA	AG	CC	AAA
unknown_DE2	GCCC	AGCG	CGG	AAG	----	C	TC	AGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CT	AAA
unknown_E602	GCCC	AGCG	CGG	AAG	----	C	TC	AGAGAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAG
unknown_Ejp617	GCCC	AGCG	CGG	AAG	----	C	TC	AGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CC	AAG
unknown_QL-Z3	GCC	AAG	CTG	AAG	----	C	CC	AGACAAA	GCG	GAAG	CGTG	AAG	CCG	GAGGA	GC	AGG	CT	AAA

8521

ecoli_K12	CGTGAAGCTG	CTGAACAAGC	GAAACGTGAA	GCTGCGGAAA	AAGACAAAGT	GAGCAATCAA
C_E_dacicola	CGTAAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
C_E_haradaeae	AATATTAAAA	ATAATAAGTT	TCAATCGTCAA	ATTAATAGTAA	GAAAAGACAT	GAGTAATAAA
E_amylovora	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCGGCGGAAA	GAGATAAAGT	GAGCAATCAA
E_aphidicola	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
E_billingiae	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
E_endophytica	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGACAAAGT	GAGCAATCAA
E_iniecta	CGTGAAGCCG	CCGACAAAGC	AAGGCGCGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
E_mallotivora	CGTGAGGCAG	CTGAAAAAGC	CAAACGCGAA	GCAGCGGAAA	AAGACAAAGT	GAGCAATCAA
E_oleae	CGTGAGGCCG	CAGACAAAGC	CAAACGTGCA	GCAGCGGAAA	AAGACAAAGT	GAGCAATCAA
E_persicina	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
E_phyllosphaerae	CGTGAGGCAG	CTGAAAAAGC	CAGGCGTGAA	GCAGCGGAAA	AAGACAAAGT	GAGCAATCAA
E_piriflorinigrans	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCGGCGGAAA	AAGATAAAGT	GAGCAATCAA
E_psidii	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
E_pyrifoliae	CGTGAGGCAG	CTGAAAAAGC	CAAACGTGAA	GCGGCGGAAA	GAGATAAAGT	GAGCAATCAA
E_rhapontici	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAT	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
E_tasmaniensis	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCGGCGGAAA	AAGATAAAGT	GAGCAATCAA
E_tracheiphila	CGTGTGGCAT	CTGAAAAAGC	CAAACGCGAA	GCAGCGGAAA	AAAAATAAAGT	GAGCAATCAA
E_typographi	CGTGAGGCAG	CTGAGAAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGACAAAGT	GAGCAATCAA
P_agglomerans	CGCGAAGCCG	CTGACAAAGC	CAAACGTGCA	GCAGCGGAAA	ATGAAAAAGT	GACAAATCAA
P_beijingensis	CGTGAGGCCG	CCGACAAAGC	GAAACGCGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
P_dispersa	CGCGAAGCCG	CTGACAAAGC	TAAAGCTGAA	GCAGCGGAAA	ATGAGAAAAGT	GACTAATCAA
P_eucalypti	CGCGAAGCCG	CTGATAAAGC	CAAACGTGCA	GCAGCGGAAA	ATGACAAAGT	GACAAATCAA
E_sorbitola	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
E_toletana	CGTGAAGCCG	CCGACAAAGC	AAGGCGCGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA
unknown_DE2	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGACAAAGT	GAGCAATCAA
unknown_E602	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	GAGATAAAGT	GAGCAATCAA
unknown_Ejp617	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCGGCGGAAA	GAGATAAAGT	GAGTAATCAA
unknown_QL-Z3	CGTGAGGCAG	CTGATAAAGC	CAAACGTGAA	GCAGCGGAAA	AAGATAAAGT	GAGCAATCAA

8581

ecoli_K12	CAA---GACG	ATATGACTAA	AAACGCCAG	GCTGAAAAAG	CCCGCCGTGA	GCAGGAAGCT
C_E_dacicola	TATACCGACG	ATACCAACCG	GGCTTCCCAG	TCCGGCAAAG	CCCGCCGTGA	AGCGGAAGCG
C_E_haradaeae	AATCTTAATA	CTATTCTTTC	TATTGAGCAA	GCTGATAAAG	TTCGTCGTGA	AGCAACAAGTG
E_amylovora	CATACCGACG	AAACCAACCG	GGCCACTCAG	TCCGATAAAG	CCCGCCGTGA	AGCGGAAGCG
E_aphidicola	CATACCGACG	ATACCAACCG	GGCTTCCCAG	TCCGACAAAG	CCCGCCGTGA	AGCGGAAGCG
E_billingiae	CCTACTGATG	AAGTAATCCG	GGCAACGCAG	TCTGACAAAG	CCCGTCGCGA	AGCAGAAGCT
E_endophytica	CATACCGACG	AAATGACCCG	GGCAACTCAA	TCCGATAAAG	CCCGCCGTGA	AGCCGAAGCC
E_iniecta	CCAACCGACG	AAAAAGACCG	GGCCAAATCAA	TCAGATAAAG	CCCGTCGCGA	AGCCGAAGCC
E_mallotivora	CATACCTGACG	AAATGGCCCG	GGCAAAACAA	TCTGAAAAAG	CCCGGACGGA	AGCTGAAGCT
E_oleae	CATACCGACG	AAACCAACCG	GGCTTCTCAG	TCCGACAAAG	CCCGCCGTGA	AGCAGAAGCC
E_persicina	CATACCGACG	AAATGACCCG	GGCTTCTCAG	TCCGACAAAG	CCCGCCGCGA	AGCGGAATCG
E_phyllosphaerae	CAACCGACG	ATATGACCCG	CACCCAACAG	TCTGACAAAG	CTCGCCGCGA	AGCGGAAGCC
E_piriflorinigrans	CATACCGACG	AAGCAACCCG	GGCTTCTCAG	TCCGACAGGG	CCCGCCGTGA	AGCGGAAGCG
E_psidii	CATACCTGACG	AAATGGCCCG	GGCAAAACAA	TCTGATAAAG	CCCGGACGGA	AGCTGAAGCT
E_pyrifoliae	TATACCGACG	AAACCAACCG	GGCCACTCAG	TCCGATAAAG	CCCGCCGTGA	AGCGGAAGCG
E_rhapontici	CATACCGACG	AAACCAACCG	GGCTTCTCAG	TCCGATAAAG	CCCGCCGTGA	AGCGGAATCG
E_tasmaniensis	CATACCGACG	AAACCAACCG	GGCCACTCAG	TCCGACAGAG	CCCGCCGTGA	AGCGGAAGCG
E_tracheiphila	CATACCGATG	AAACGGCCTC	AGTCACTCAA	TCCGACAAGG	CCCGACGTGA	AGCCGAAGCC
E_typographi	CCTACCGATG	AAGTAACCCG	GGCGACGCAA	TCCGACAAAG	CCCGTCGCGA	AGCAGAAGCT
P_agglomerans	CCTACCGACG	AAGTGACCAAG	GGCTGGGCAA	TCAGACAAAG	CCCGTCGCGA	AGCTGAAGCT
P_beijingensis	CATACCGACG	AAGTTACCCG	GGCTAATCAG	TCTGAGAAAG	CCCGCCGCGA	GGCCGAAGCC
P_dispersa	CCTACCGACG	AAATGACCAA	GGCTGGGCAA	TCTGACAAAG	CCCGTCGTGA	AGCTGAAGCC
P_eucalypti	CCTACCGACG	AAGTGACAAA	GGCTGGGCAA	TCAGACAAAG	CCCGTCGCGA	AGCAGAAGCT
E_sorbitola	CATACCGACG	AAATGACCCG	GGCTTCTCAG	TCCGATAAAG	CCCGCCGCGA	AGCGGAATCG
E_toletana	CCTACCGACG	AAAAAGACCG	GGCCAAATCAA	TCAGATAAAG	CCCGTCGCGA	AGCCGAAGCC
unknown_DE2	CATACCGACG	AAGTAACCCG	GGCGACGCAA	TCTGACAAAG	CCCGTCGCGA	AGCAGAAGCT
unknown_E602	CATACCGACG	ATATGACCCG	GGCTTCTCAG	TCCGACAAAG	CCCGCCGTGA	AGCGGAAGCC
unknown_Ejp617	TATACCGACG	AAACCAACCG	GGCCACTCAG	TCCGATAAAG	CCCGCCGTGA	AGCGGAAGCG
unknown_QL-Z3	CCTACTGATG	AAGTAATCCG	GGCAACGCAG	TCTGACAAAG	CCCGTCGCGA	AGCAGAAGCT

8641

ecoli_K12	GCAGAGCTCA	AGCGTAAAGC	TGAAGAAGAA	GCGCGTCGTA	AACTCGAAGA	AGAAGCACGT
C_E_dacicola	GCAGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCATCGCA	AGATCGCAGA	AGAAGCGAAG
C_E_haradaeae	TTTGAATTAA	AACGC AAA TC	TGAAGAAGAA	ACGCATCGCA	AGATTGAAGA	AGAAGC TAAG
E_amylovora	GCTGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCATCGCA	AGATCGAAGA	AGAAGCGAAG
E_aphidicola	GCAGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCATCGCA	AGATCGAAGA	AGAAGCGAAG
E_billingiae	GCAGAACTGA	AGCGTAAAGC	CGAAGAAGAA	GCGCATCGCA	AGATTGAAGA	AGAAGCGAAG
E_endophytica	GCAGAGCTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCGTCGCA	AGATCGAAGA	AGAAGCGAAG
E_iniecta	GCAGAGCTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCGCCGCA	AGATTGAAGA	AGACGCTAAG
E_mallotivora	GCTGAACTCA	AGCAC AAGGC	TGAACAGGAA	GCGCGTCGTA	AGATTGAAGA	AGATGCCAAA
E_oleae	GCTGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCGTCGTA	AAATCGAAGA	GAACGCGAAG
E_persicina	GCAGAGCTGA	AGCGTAAAGC	GGAAGAAGAA	GCGCGTCGCA	AGATCGAAGA	AGAAGCGAAG
E_phyllosphaerae	GCAGAACTGA	AGCGTAAAGC	CGAAGAAGAA	GCGCGTCGCA	AGATTGAAGA	AGAAGCGAAG
E_piriflorinigrans	GCTGAACTAA	AGCGTAAAGC	TGAAGAAGAA	GCGCATCGCA	AGATCGAAGA	AGAAGCGAAG
E_psidii	GCTGAACTGA	AGCATAAAGC	TGAACAGGAA	GCA CGTCGCA	AGATTGAAGA	AGAAGCGAAG
E_pyrifoliae	GCTGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCATCGCA	AGATCGAAGA	AGAAGCGAAG
E_rhapontici	GCAGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCGTCGCA	AGATCGAAGA	AGAAGCGAAG
E_tasmaniensis	GCTGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCATCGCA	AGATTGAAGA	AGAAGCGAAG
E_tracheiphila	GCAGCACTGA	AGCAGAAAAC	TGAACAGGAA	GCGCTTCGTA	AGATTGAAGA	GGAAGCGAAG
E_typographi	GCCGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCATCGCA	AGATTGAAGA	AGAAGCGAAG
P_agglomerans	GCCGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCCCCCGCTA	AGCTTGAAGA	GGCTGCCCGC
P_beijingensis	GCTGAACTGA	AACGTAAAGC	GGAAGAAGAA	GCCCCGTCGCA	AAATCGAAGA	GGAAGCCAAA
P_dispersa	GCCGAACTGA	AGCGTAAAGC	GGAAGAAGAA	GCGCGCCGTA	AGCTGGAAGA	GAATGCCGCG
P_eucalypti	GCTGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCGCCGTA	AGCTTGAAGA	GGCTGCCCGC
E_sorbitola	GCAGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCGTCGCA	AGATCGAAGA	AGAAGCGAAG
E_toletana	GCAGAGCTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCGCCGCA	AGATCGAAGA	AGACGCTAAG
unknown_DE2	GCAGAACTGA	AGCGTAAAGC	CGAAGAAGAG	GCGCATCGCA	AGATCGAAGA	AGAAGCGAAG
unknown_E602	GCAGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCGCCGCA	AGATTGAAGA	AGACGCGAAG
unknown_Ejp617	GCTGAACTGA	AGCGTAAAGC	TGAAGAAGAA	GCGCATCGCA	AGATCGAAGA	AGAAGCGAAG
unknown_QL-Z3	GCAGAACTGA	AGCGTAAAGC	CGAAGAAGAA	GCGCATCGCA	AGATTGAAGA	AGAAGCGAAG

8701

ecoli_K12	CGCGTTGCTG	AAGAAGCACG	TGCTATGGCG	GAAGAAAA--	----CAAATG	GACTGATAAC
C_E_dacicola	CGCGTAGCCG	AAGAAACTCG	CAAAATGGTG	GCCGAA CGAG	GTGAAGAGTG	GGCGCAAAAT-
C_E_haradaeae	CGTGTGGCGG	GCGAAGCTCG	TAAAAATGGCA	GAAGAAAAAG	GTGAAGAATG	GTCCACAGTC
E_amylovora	CGTGTGGCGG	AAGAAGGCGG	TAAAAATGGCG	GAAGAGAAAAG	GCGAAGAGTG	GGCGGTAGT-
E_aphidicola	CGCGTAGCCG	AAGAAGCTCG	CAAAATGGCG	GCCGAA CGAG	GTGAAGAGTG	GGCGCAAGT-
E_billingiae	CGCGTAGCGG	AAGAGGCTCG	TAAAAATGGCA	GAAGAGAAAAG	GCACCGAGTG	GACTGAGGT-
E_endophytica	CGTGTAGCGG	AAGAAGCACG	TAAAGATGGCG	GAAGAGAAAAG	GTTCAGAGTG	GGCTGAAGCG
E_iniecta	CGCGTAGCCG	AAGAGGCCCG	TAAAAATGGCT	GAAGAAAAAG	GTGAAAGCTG	GACCGTCCGCG
E_mallotivora	CGCGTAGCTG	AAGAAGCCCC	TAAAAATGGCG	GAAGAAAAAG	GGTCCGAGTG	GGCTGAGGCG
E_oleae	CGCGTAGCGG	AAGAAGCCCC	CAAAATGGCC	GAAGAGAAAAG	GCGAAGAGTG	GGCGGCGAGCG
E_persicina	CGCGTAGCCG	AAGAGGCCAG	TAAAAATGGCG	GAAGAGAAAAG	GCGAAGAGTG	GACACAGGT-
E_phyllosphaerae	CGCGTAGCGG	AAGAGGCCCG	TAAAAATGGCG	GAAGAAAAAG	GCTCCGAGTG	GGCGGAAGCA
E_piriflorinigrans	CGTGTAGCGG	AAGAGGCCAG	TAAAAATGGCG	GAAGAGAAAAG	GCGAAGAGTG	GGCGGTAGT-
E_psidii	CGTGTGTCAG	AAGCTGCCCG	TAAAGATGGCG	GAAGAAAAAG	GCTCCGAGTG	GGCTGAAGCG
E_pyrifoliae	CGTGTAGCGG	AAGAGGCGCG	TAAAAATGGCG	GAAGAAAAAG	GCGAAGAGTG	GGCGGTAGT-
E_rhapontici	CGCGTAGCGG	AAGAAGCACG	CAAAATGGCG	GAAGAGAAAAG	GCGAAGAGTG	GACGCAGGT-
E_tasmaniensis	CGTGTAGCGG	AAGAGGCGCG	TAAAAATGGCG	GAAGAGAAAAG	GCGAAGAGTG	GGCGGTAGC-
E_tracheiphila	CGTGTGGCGG	AAGCTGCGCG	TAAAAATGGCA	GAAGAGAAAAG	GCTCCGAGTG	GGCTGAAGCG
E_typographi	CGCGTAGCGG	AAGAGGCTCG	TAAAAATGGCT	GAAGAAAAAG	GCACCGAGTG	GACCCGAGGC-
P_agglomerans	CTCGTAGCAG	AAGAAGCCCC	CGTCTGGGCT	GAAGAGAAAT	CAGCTGAATG	GGAAAAACCG
P_beijingensis	CGCGTGGCGG	AAGAAGCTCG	TAAAAATGGCT	GAAGAGAAAAG	GCAGCAGTTG	GACTGAAGCC
P_dispersa	CGCGCGGCGG	AAGAAGCCCC	TGCTCTGGCC	GAAGAGAAAAG	CCGCTGAATG	GGAAAAACCG
P_eucalypti	CTCGTAGCCG	AAGAAGCCCC	CGTCTGGGCT	GAAGAGAAAT	CAGCTGAATG	GGAAAAACCG
E_sorbitola	CGCGTAGCGG	AAGAAGCACG	TAAAAATGGCG	GAAGAGAAAAG	GCGAAGAGTG	GACGCAGGT-
E_toletana	CGCGTAGCGG	AAGAGGCCCG	TAAAAATGGCT	GAAGAGAAAAG	GTGAAAGCTG	GACCGTCCGCG
unknown_DE2	CGCGTAGCGG	AAGAGGCTCG	TAAAAATGGCT	GAAGAGAAAAG	GCACCGAGTG	GACCCGAAGT-
unknown_E602	CGCGTCGCGG	AAGAAGCACG	TAAAAATGGCA	GAAGAGAAAAG	GCGAAGAGTG	GACCCGAGGC-
unknown_Ejp617	CGTGTGCGG	AAGAGGCGCG	TAAAAATGGCG	GAAGAAAAAG	GCGAAGAGTG	GGCGGTAGT-
unknown_QL-Z3	CGCGTAGCGG	AAGAGGCTCG	TAAAAATGGCA	GAAGAGAAAAG	GCAACGAGTG	GACTGAGGT-

8761

ecoli_K12	GC	GGAA	CCGA	CT	GAA	GATTC	CAG	CGATTAT	CAC	GTCACTA	CTT	CTCAACA	TG	CTG	CCAG
C_E_dadicola	--	TAA	GAGG	TT	GAA	GACAC	CT	CTGACTAC	CAC	GTTACCA	CTT	CAACTCA	CG	CCCG	TGCT
C_E_haradaeae	AT	TAA	GAGA	TAG	AGG	ATAT	TT	CCGACTAT	CAT	GTACAA	CTT	CTACTCA	CG	CCCG	GAGAA
E_amylovora	--	GAA	GAGG	TAG	AAG	ACAC	CT	CTGATTAC	CAT	GTGACGA	CGT	CAACCCA	CG	CTCG	TGCA
E_aphidicola	--	TAA	GAGG	TT	GAA	GACAC	CT	CTGATTAC	CAC	GTACCA	CTT	CAACTCA	CG	CCCG	TGCT
E_billingiae	--	TAA	GAA	TT	GAA	GATAC	TT	CTGATTAC	CAC	GTAACCA	CTT	CTACCCA	CG	CCCG	TGCG
E_endophytica	GA	GAA	GGAAG	TG	GAT	GACGC	TT	CCGACTAC	CAT	GTACCA	CTT	CTACTCA	TG	CCCG	TGCG
E_iniecta	TC	CGA	GAGC	CG	GAA	GATAC	CT	CGGATTAC	CAC	GTACCA	CAT	CCACTCA	TG	CCCG	TGCG
E_mallotivora	GAG	AAA	GGAAG	TG	GAA	GACAC	AT	CCGACTAC	CAT	GTGACCA	CGT	CTTCGCA	TG	CCCG	TGCG
E_oleae	GAG	AAA	GTCG	TT	GAG	GATAC	GT	CTGACTAT	CAC	GTAACCA	CCT	CAACCCA	TG	CGCG	TGCG
E_persicina	--	TAA	GAA	TC	GAA	GACAC	TT	CTGATTAT	CAC	GTGACCA	CTT	CAACTCA	TG	CTCG	TGCA
E_phyllosphaerae	GAG	AAA	GGAAG	TG	GAA	GACAC	TT	CTGACTAT	CAC	GTAACCA	GT	CCACGCA	CG	CTCG	TGCA
E_piriflorinigrans	--	GAA	GAGG	TAG	AAG	ATAC	CT	CTGATTAC	CAC	GTACCA	CTT	CAACTCA	CG	CTCG	TGCA
E_psidii	GAG	AAA	GGAAG	TG	GAA	GACAC	TG	CTGACTAC	CAT	GTACCA	CGT	CTACACA	TG	CCCG	TGCT
E_pyrifoliae	--	GAA	GAGG	TAG	AAG	ACAC	CT	CTGATTAC	CAT	GTAACGA	CTT	CAACCCA	CG	CTCG	TGCA
E_rhapontici	--	TAA	GAA	TG	GAA	GACAC	TT	CTGATTAC	CAC	GTACTA	CTT	CAACTCA	CG	CTCG	TGCA
E_tasmaniensis	--	GAA	GAGG	TAG	AAG	ACAC	CT	CCGATTAC	CAC	GTACCA	CTT	CAACTCA	CG	CTCG	TGCA
E_tracheiphila	GAG	AAA	GGAAG	TG	GAA	GATAC	TT	CTGACTAC	CAT	GTGACCA	CTT	CTCTCTCA	TG	CCCG	TGCG
E_typographi	--	GA	GGAAG	TT	GAA	GACAC	TT	CTGATTAC	CAT	GTAACCA	CAT	CTACCCA	CG	CTCG	TGCG
P_agglomerans	GA	AGA	GAGG	ATA	AA	GGC--	----	GACTAT	CAC	GTACCA	CTT	CGACCCA	TG	CCCG	TGCG
P_beijingensis	TC	TG	ACGAGC	CG	GAA	GATAC	CT	CCGACTAT	CAC	GTACCA	CTT	CTCAGCA	TG	CGCG	TGCG
P_dispersa	----	----	AGAG	AAG	AAG	ATAA	----	GGGCGACTAT	CAC	GTACCA	CTT	CAACTCA	TG	CCCG	TGCG
P_eucalypti	GA	AGA	GAGG	ATA	AA	GGC--	----	GACTAT	CAC	GTACCA	CTT	CTACCCA	TG	CCCG	TGCG
E_sorbitola	--	TAA	GAA	TG	GAA	GACAC	TT	CTGACTAC	CAC	GTTACTA	CTT	CAACACA	CG	CTCG	TGCA
E_toletana	TC	CGA	GAGC	CG	GAA	GATAC	CT	CCGATTAC	CAC	GTACCA	CAT	CCACTCA	TG	CCCG	TGCG
unknown_DE2	--	GAA	GAA	TG	GAA	GACAC	TT	CTGATTAC	CAC	GTGACCA	CAT	CAACGCA	CG	CTCG	TGCG
unknown_E602	--	GAA	GAGG	TT	GAA	GACAC	CT	CTGACTAC	CAC	GTGACCA	CTT	CAACTCA	CG	CCCG	TGCC
unknown_Ejp617	--	GAA	GAGG	TAG	AAG	ACAC	CT	CTGATTAC	CAT	GTAACGA	CTT	CAACCCA	CG	CTCG	TGCA
unknown_QL-Z3	--	TAA	GAA	TT	GAA	GATAC	TT	CTGATTAC	CAC	GTAACCA	CTT	CTACCCA	CG	CCCG	TGCG

8821

ecoli_K12	GC	AGA	GACG	AAA	GCG	ATCG	TGA	AGTCGAA	GG	CGCCGTG	GCC	GTTGGTCG	-----	-----	-----
C_E_dadicola	GC	AGA	GACG	AAAA	CGACGC	TC	AGGTTGAA	GGT	GACCGT	--	CGA	ACTCG	CACT	GCTGTA	-----
C_E_haradaeae	GC	AGA	GGATG	AGA	ATGATGC	TC	AGGTTGAA	AA	TGAGCGT	--	CGT	AGTCG	---	TTCTATA	-----
E_amylovora	GCG	GAA	GATG	AAAA	CGATGC	TC	AGGTCGAA	GG	GACCGT	--	CGC	GACCG	---	TGCTGTA	-----
E_aphidicola	GC	AGA	GACG	AAAA	CGACGC	TC	AGGTTGAA	GGT	GACCGT	--	CGC	ACTCG	CACT	GCGGTA	-----
E_billingiae	GCT	GAA	GACG	AAAA	CGATGC	GA	AGGTTGAA	GG	GACCGT	--	CGT	TACCG	---	TGCAGTC	-----
E_endophytica	GCT	GAA	GACG	AAAA	CGACGC	GC	AGGTTGAA	GG	GATCGT	--	CGT	TAACCG	---	TGCCGCT	-----
E_iniecta	GCT	GAA	GATG	AAAA	CGACCG	TA	AGGTTGAA	GGT	GAGCGT	--	CGT	AGCCG	---	-----	-----
E_mallotivora	GC	AGA	GATG	AAAA	CGACGC	GC	AGGTTGAA	GG	GATCGT	--	CGT	TACG	---	CGCTGCG	-----
E_oleae	GCG	GAA	GACG	AAAA	CGATGC	GC	AGGTTGAA	GG	GACCGC	--	CGT	GACCG	---	CGCCGCG	-----
E_persicina	GC	AGA	GACG	AAAA	TGACGC	GC	AGGTCGAA	GGT	GACCGC	--	CGT	TACG	TACT	GCTGTT	-----
E_phyllosphaerae	GC	AGA	GACG	AAAA	CGACGC	GC	AGGTTGAA	GG	GACCGT	--	CGC	ACTCG	---	CGCTGCG	-----
E_piriflorinigrans	GCG	GAA	GACG	AGA	ATGACGC	AC	AGGTTGAA	GGT	GATCGT	--	CGC	ACTCG	---	TGCTGTA	-----
E_psidii	GCT	GAA	GACG	AAAA	CGATGC	GC	AGGTCGAA	GG	GACCGT	--	CGT	TCCCG	---	TGCAGCT	-----
E_pyrifoliae	GCG	GAA	GACG	AAAA	CGACGC	TC	AGGTTGAA	GG	GACCGT	--	CGC	ACTCG	---	TGCTGTG	-----
E_rhapontici	GC	AGA	GACG	AAAA	TGACGC	AC	AGGTCGAA	GGT	GACCGT	--	CGT	TACTCG	TACT	GCTACA	-----
E_tasmaniensis	GCG	GAA	GACG	AGA	ACGACGC	GC	AGGTTGAA	GG	GATCGT	--	CGC	ACTCG	---	TGCCGTA	-----
E_tracheiphila	GCT	GAA	GATG	AGA	TGATGC	ACA	AGTTGAA	GG	GATCGT	--	CGT	TCTCG	---	TGCCGTTG	-----
E_typographi	GCT	GAA	GACG	AGA	ACGATGC	GC	AGGTTGAA	GG	GACCGC	--	CGC	TCTCG	---	TGCTGCC	-----
P_agglomerans	GCG	GAA	GATG	AAAA	CGACCG	TC	AGGTTGAA	GC	AGGTCGTG	CG	CGT	TGCCG	TACT	-----	-----
P_beijingensis	GCT	GAA	GATG	AGA	ATGACCG	TA	AGGTTGAA	GGT	GAAACG	--	CGT	AGCCG	---	-----	-----
P_dispersa	GC	AGA	GACG	AAAA	CGATCG	CG	AGTCGAA	GG	CGGTCGTG	GT	CGC	CACCCG	---	-----	-----
P_eucalypti	GCG	GAA	GATG	AAAA	CGACCG	TC	AGGTTGAA	GC	AGGTCGTG	CG	CGT	TGCCG	GAC	GACT	---
E_sorbitola	GC	AGA	GACG	AAAA	TGATGC	GC	AGGTCGAA	GGT	GACCGT	--	CGT	TACCG	TACT	GCTACA	-----
E_toletana	GCT	GAA	GATG	AAAA	CGACCG	TA	AGGTTGAA	GGT	GAGCGT	--	CGT	AGCCG	---	-----	-----
unknown_DE2	GCT	GAA	GACG	AGA	ACGACGC	TA	AGGTTGAA	GG	GACCGT	--	CGT	AGCCG	---	TGCCGCG	-----
unknown_E602	GCG	GAA	GATG	AAAA	CGATGC	GC	AGGTTGAA	GG	GATCGC	--	CGC	AGCCG	CAC	CGTTGCA	-----
unknown_Ejp617	GCG	GAA	GACG	AAAA	CGACGC	TC	AGGTTGAA	GG	GACCGT	--	CGC	ACTCG	---	TGCAGTG	-----
unknown_QL-Z3	GCT	GAA	GACG	AAAA	CGATGC	GA	AGGTTGAA	GG	GACCGT	--	CGT	AGCCG	---	TGCAGTC	-----

8881

ecoli_K12	--TAA	CGCGA	AAGCA	GGCGG	TC---	CGAAG	AAAGG	CAACA	AACAC	CGCTGA	ATCAAA	AGCT
C_E_dacicola	CAC	TCA	GCTA	AAG	CCCC	GGT	TC---	GCAAG	AAAGG	CAACA	AGCAT	TCTGA
C_E_haradaeae	CGA	CTC	CTA	AAA	CTC	AAGT	GC---	GAAAA	AAAGG	TAATA	AACAT	TCTGA
E_amylovora	CGT	CCG	GCTA	AAG	CCCC	GGT	GC---	GTAAG	AAAGG	CAATA	AGCAT	TCTGA
E_aphidicola	CGCCC	AGCCA	AAG	CCCC	GGT	TC---	GCAAG	AAAGG	CAACA	AGCAT	TCTGA	AGCG
E_billingiae	CGCCC	GGCTA	AAG	CGCC	ACG	CT---	CCAAG	AAAGG	CAACA	AGCAT	TCTGA	AGCG
E_endophytica	CGT	CCG	GCTA	AAG	CT	GCGCA	GC---	GTAAG	AAAGG	CAACA	AGCAT	TCTGA
E_iniecta	--TCC	GGTTA	AAG	CGGT	GCG	TC---	AGAAG	AAAGG	CAACA	AGCAT	TCTGA	ATCAAA
E_mallotivora	CGT	CCG	GCAA	AAG	CAC	CGCG	TC---	AGAAG	AAAGG	TAACA	AACAT	TCTGA
E_oleae	CGCCCT	GCGA	AAG	CAC	CGCA	GC---	GCAAG	AAAGG	CAATA	AGCAT	TCTGA	AGCG
E_persicina	CGT	CCG	GCTA	AAG	CCCC	GGT	TC---	GCAAG	AAAGG	CAACA	AGCAT	TCTGA
E_phyllosphaerae	CGCCC	GGCGA	AAG	CCCC	ACA	GC---	GTAAG	AAAGG	CAACA	AGCAT	TCTGA	AGCG
E_piriflorinigrans	CGT	CCG	GCTA	AAG	CCCC	GGT	GC---	GTAAG	AAAGG	CAACA	AGCAT	TCTGA
E_psidii	CGCCCT	TGCTA	AAG	CTA	CGCA	AC---	GTAAG	AAAGG	CAATA	AGCAT	TCTGA	AGCG
E_pyrifoliae	CGT	CCG	GCTA	AAG	CCCC	GGT	GC---	GTAAG	AAAGG	CAACA	AACAT	TCTGA
E_rhapontici	CGT	CC	AGCTA	AAG	CCCC	TGT	TC---	GCAAG	AAAGG	CAACA	AGCAT	TCTGA
E_tasmaniensis	CGT	CCG	GGCCA	AAG	CTC	GGT	GC---	GTAAG	AAAGG	CAACA	AGCAT	TCTGA
E_tracheiphila	CGCCCT	GCAA	AAG	CCCC	ACA	GC---	GTAAG	AAAGG	CAATA	AGCAT	TCTGA	AGCG
E_typographi	CGT	CCG	GCTA	AAG	CGCT	CA	GC---	GTAAG	AAAGG	CAACA	AGCAT	TCTGA
P_agglomerans	----	CGGCTA	AAG	CT	GCGCG	TCCGG	CGAAA	AAAGG	CAACA	AACAT	TCTGA	AGCG
P_beijingensis	--CCCT	GTAA	AGG	CGGT	TCG	TC---	AGAAG	AAAGG	CAACA	AGCAT	TCTGA	ATCG
P_dispersa	--CACC	ACCA	AGG	CAG	CGCG	TCCGG	CGAAA	AAAGG	CAACA	AGCAT	TCTGA	AGCG
P_eucalypti	-----	GCTA	AAG	CT	GCGCG	TCCGG	CGAAA	AAAGG	CAACA	AACAT	TCTGA	AGCG
E_sorbitola	CGT	CC	AGCGA	AAG	CCCC	TGT	TC---	GCAAG	AAAGG	CAACA	AGCAT	TCTGA
E_toletana	--TCC	GGTTA	AAG	CGGT	TACG	TC---	AGAAG	AAAGG	CAACA	AGCAT	TCTGA	ATCG
unknown_DE2	CGT	CCG	GGCGA	AAG	CAC	CTCG	CT---	CCAAG	AAAGG	CAACA	AGCAT	TCTGA
unknown_E602	CGT	CCG	GCTA	AAG	CTC	GGT	GC---	GTAAG	AAAGG	CAACA	AGCAT	TCTGA
unknown_Ejp617	CGT	CCG	GCTA	AAG	CCCC	GGT	GC---	GTAAG	AAAGG	CAACA	AACAT	TCTGA
unknown_QL-Z3	CGCCC	GGCTA	AAG	CGCC	ACG	CT---	CCAAG	AAAGG	CAACA	AGCAT	TCTGA	AGCG

8941

ecoli_K12	GAT	CGT	GAA	AAG	CAG	CGC	AG	CAG	TAC	GT	GG	CGG	TAA	AG	GCG	GAAAA	--CG	TAA	AGG	GT	
C_E_dacicola	GAC	CGT	GAA	AAG	CTG	TGC	GC	AGG	TTC	GC	GG	CGG	CAA	AG	GCG	GCAAG	--CG	TAA	AGT	CA	
C_E_haradaeae	GAT	CGT	GAA	AAG	CTG	TGC	ACA	AGT	TAC	GC	TA	TGG	TAA	AG	GAG	GAAAA	--CG	TAA	AGACC		
E_amylovora	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	TGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCA		
E_aphidicola	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	CGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCA		
E_billingiae	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	CGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCA		
E_endophytica	GAT	CGG	GAA	AAG	CGC	TGC	GC	AA	TCC	GT	GG	CGG	AAAA	AG	GCG	GCAAG	--CG	TAA	AGCCA		
E_iniecta	GAC	CGG	GAA	AAG	CGC	TGC	TC	AGG	TTC	GT	GG	TGG	TAA	AG	GC	---	AAA	--CG	TAA	AGCCT	
E_mallotivora	GAC	CGT	GAA	AAG	CGC	TGC	GCA	AT	TCC	GT	GG	CGG	CAA	AG	GCG	GCAAG	--CG	TAA	AGCCA		
E_oleae	GAT	CGG	GAA	AAG	CGC	TGC	GC	AG	TCC	GC	GG	TGG	CAA	AG	GCG	GCAAG	--CG	TAA	AGCCA		
E_persicina	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	TGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCA		
E_phyllosphaerae	GAC	CGT	GAA	AAG	CGC	TGC	GC	AG	TCC	GC	GG	CGG	TAA	AG	GCG	GCAAG	--CG	TAA	AG---		
E_piriflorinigrans	GAC	CGT	GAA	AGG	CGC	TGC	GC	AGG	TTC	GC	GG	TGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCG		
E_psidii	GAC	CGT	GAA	AAG	CGC	GGG	GC	AA	TCC	GT	GG	CGG	CAA	AG	GCG	GTAAG	--CG	TAA	ATCC		
E_pyrifoliae	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	TGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCG		
E_rhapontici	GAC	CGT	GAA	AAG	CGC	TGC	TC	AGG	TTC	GT	GG	CGG	CAA	AG	GCG	GCAAA	--CG	TAA	AGCCA		
E_tasmaniensis	GAT	CGT	GAA	AGG	CGC	TGC	GC	AGG	TTC	GC	GG	CGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCG		
E_tracheiphila	GAT	CGT	GAA	AAG	CGC	TGC	GC	AA	TTC	GC	GG	CGG	TAA	AG	GCG	GCAAG	--CG	TAA	ATCC		
E_typographi	GAC	CGG	GAA	AAG	CGC	TGC	GC	AG	TCC	GC	GG	CGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCA		
P_agglomerans	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	TGG	TAA	AG	GCG	GCAAG	CA	TCC	GAA	ACCT	
P_beijingensis	GAT	CGT	GAA	AAG	CGC	TGC	AG	CGG	TTC	GC	GG	TGG	TAA	AG	GC	---	AAA	--CG	TAA	AGCCA	
P_dispersa	GAC	CGT	GAA	AAG	CGC	TGC	TC	AGG	TAC	GC	GG	CGG	TAA	AG	GT	TGG	CAACA	CA	TCC	GTA	AGCCA
P_eucalypti	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GT	GG	TGG	TAA	AG	GCG	GCAAG	CA	TCC	GAA	ACCT	
E_sorbitola	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	TGG	TAA	AG	GCG	GCAAA	--CG	TAA	AGCCA		
E_toletana	GAC	CGG	GAA	AAG	CGC	TGC	TC	AGG	TTC	GC	GG	TGG	TAA	AG	GC	---	AAG	--CG	TAA	AGCCT	
unknown_DE2	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	CGG	TAA	AG	GCG	GCAAA	--CG	TAA	AGCCA		
unknown_E602	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	CGG	TAA	AG	GT	TGG	CAAG	--CG	TAA	AGCCA	
unknown_Ejp617	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	TGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCG		
unknown_QL-Z3	GAC	CGT	GAA	AAG	CGC	TGC	GC	AGG	TTC	GC	GG	CGG	TAA	AG	GCG	GCAAG	--CG	TAA	AGCCA		

9001

ecoli_K12	TCTTCGCTGC	AGCAAGGCTT	CCAGAAGCCT	GCTCAGGCCG	TTAACCGTGA	CGTTGTGATC
C_E_dadicola	AGCACCTTAC	AGCAGAGCTT	CAACAAGCCT	GTTCAAGGTCG	TTAACCGTGA	CGTCATTATC
C_E_haradaeae	AGCGCTTTAC	AACAGAGTTT	TCATAAGCCT	GCACAGGTTA	TTAACCGTGA	TGTTATGATT
E_amylovora	AGCTCCCTGC	AGCAGGGCTT	TAAACAAACCC	GCTCAGGCCG	TTAACCGTGA	CGTTATCATC
E_aphidicola	AGCACCTTGC	AGCAGAGCTT	CAACAAGCCT	GTTCAAGGCCG	TTAACCGTGA	CGTCATTATC
E_billingiae	AGCACCTTGC	AACAGGGCTT	CAACAAGCCA	GTCAGGCTG	TTAACCGTGA	CGTGATCATC
E_endophytica	AGTACCCTAC	AGCAGGGCTT	CAACAAGCCG	GCACAGGTTG	TTAACCGTGA	CGTGATCATC
E_iniecta	AGCTCACTGC	AGCAGGGCTT	TAACAAGCCT	GCGCAGGCCG	TTAACCGTGA	TGTTGGTTATC
E_mallotivora	AGCGCATTGC	AGCAGGGTTT	CAACAAGCCT	GTTCAAGGCCG	TTAACCGCGA	CGTGATTATC
E_oleae	AGTACGCTGC	AACAGGGCTT	CAACAAGCCT	GCGCAGGCCG	TCAACCGCGA	TGTGGTTCATC
E_persicina	AGCACCTTGC	AGCAGGGCTT	CAATAAGCCA	GCACAGGCCG	TTAACCGTGA	CGTGATTATC
E_phyllosphaerae	AGTACGCTGC	AGCAGGGCTT	CAACAAGCCG	GCCCAGGCCG	TTAACCGTGA	CGTGATTATC
E_piriflorinigrans	AGCACCTTAC	AGCAGAGCTT	TAATAAGCCA	GCGCAGGCCG	TTAACCGCGA	TGTGATTATC
E_psidii	AGTACGCTGC	AACAGGGCTT	TAATAAGCCT	GTCAGGCCG	TTAACCGCGA	CGTCATCATC
E_pyrifoliae	AGCACCTTGC	AGCAGAGCTT	TAACAAGCCA	GCGCAGGCCG	TTAACCGCGA	CGTCATTATC
E_rhapontici	AGCACCTTGC	AGCAGGGCTT	TAACAAGCCA	GCTCAGGCTG	TTAACCGTGA	CGTTATCATC
E_tasmaniensis	AGCACTCTGC	AGCAGAGCTT	TAACAAGCCA	GCACAGGCCG	TTAACCGTGA	TGTGATTATC
E_tracheiphila	AGTACGCTGC	AGCAAGGCTT	TAATAAACCG	GTCAGGCCG	TCAACCGTGA	TGTCATCATC
E_typographi	AGCAGCCTGC	AGCAGGGCTT	TAACAAACCG	GCTCAGGCCG	TTAACCGTGA	CGTTATCATC
P_agglomerans	AGCGCACTGC	AGCAGGGCTT	CAACAAGCCA	GCGCAGGCCG	TTAACCGCGA	TGTTGTGATT
P_beijingensis	AGTACTCTGC	AGCAGGGCTT	TAACAAGCCC	GTTCAAGGCTG	TTAACCGCGA	TGTCATCATC
P_dispersa	AGCACGCTGC	AGCAGGGCTT	CAACAAACCT	GCTCAGGCCG	TGAACCGTGA	CGTCATTATC
P_eucalypti	AGCGCACTGC	AGCAGGGCTT	CAACAAGCCA	GCGCAGGCTG	TTAACCGTGA	TGTTGTGATT
E_sorbitola	AGCACCTTGC	AGCAGGGCTT	CAACAAGCCA	GCTCAGGCTG	TTAACCGTGA	CGTAATCATC
E_toletana	AGCTCGCTGC	AGCAGGGCTT	TAACAAGCCA	GCGCAGGCCG	TTAACCGTGA	TGTGATCATC
unknown_DE2	AGCACCTTGC	AGCAGGGCTT	CAACAAGCCA	GCTCAGGCTG	TTAACCGTGA	CGTGATCATC
unknown_E602	AGCACCTTGC	AGCAGGGCTT	CAACAAGCCA	GCGCAGGCTG	TTAACCGTGA	CGTCATCATC
unknown_Ejp617	AGCACCTTGC	AGCAGAGCTT	TAACAAGCCA	GCGCAGGCCG	TTAACCGCGA	CGTGATTATC
unknown_QL-Z3	AGCACCTTGC	AACAGGGCTT	CAACAAGCCA	GTCAGGCTG	TTAACCGTGA	CGTGATCATC

9061

ecoli_K12	GGCGAAACTA	TCACCGTTGG	CGAACTGGCG	AACAAGATGG	CGGTTAAAGG	CTCTCAGGTC
C_E_dadicola	GGCGAAATTG	TTACCGTAGC	TGAGCTGGCT	AACAAGATGG	CAGTCAAAGG	TTCTCAGGTC
C_E_haradaeae	GGTGAAACGA	TTACTGTATC	GGAAGTAGCC	AAATAAGATGG	CTGTGAAAGG	GTCTGAAGTG
E_amylovora	GGTGAAACCA	TCACCGTAGC	TGAAGTGGCT	AACAAGATGG	CCGTTAAAGG	CTCTCAGGTC
E_aphidicola	GGCGAAACTG	TTACCGTAGC	TGAGCTGGCT	AACAAGATGG	CAGTCAAAGG	TTCCCAGGTC
E_billingiae	GGCGAAACCA	TCACCGTAGC	CGAACTGGCT	AACAAGATGG	CGGTGAAAGG	TTCTCAGGTC
E_endophytica	GGTGAAACTA	TCACCTGTGC	GGAAGTGGCT	AACAAAATGG	CGGTTAAAGG	TTCCCAGGTC
E_iniecta	GGCGAAACCG	TGACCGTTGC	CGAACTGGCC	AAATAAAATGG	CAGTCAAAGG	CTCCCTCGTC
E_mallotivora	GGCGAAACTA	TTACCGTTGC	CGAACTGGCC	AAATAAAATGG	CGGTGAAAGG	CTCCAGGTC
E_oleae	GGCGAAACCG	TTACCGTTGC	TGAAGTGGCT	AACAAAATGG	CGGTGAAAGG	CTCTCAGGTC
E_persicina	GGTGAGACTG	TCACCGTAGC	GGAAGTGGCT	AACAAGATGG	CGGTGAAAGG	TTCCCAGGTC
E_phyllosphaerae	GGTGAAACCA	TCACCGTAGC	GGAAGTGGCT	AACAAAATGG	CGGTGAAAGG	TTCTCAGGTC
E_piriflorinigrans	GGTGAAACTA	TCACCGTAGC	GGAAGTGGCT	AACAAAATGG	CCGTTAAAGG	TTCCGAGGTC
E_psidii	GGTGAAACCA	TCACCGTAGC	GGAATTAGCC	AACAAAATGG	CGGTGAAAGG	TTCTCAGGTC
E_pyrifoliae	GGTGAAACCA	TCACCGTAGC	GGAAGTGGCT	AACAAAATGG	CTGTGAAAGG	TTCTCAGGTC
E_rhapontici	GGTGAAACTG	TCACCGTAGC	GGAAGTGGCT	AACAAGATGG	CGGTGAAAGG	CTCCCAGGTC
E_tasmaniensis	GGTGAAACTA	TCACCGTAGC	GGAAGTGGCT	AACAAAATGG	CCGTTAAAGG	TTCTCAGGTC
E_tracheiphila	GGTGAAACGA	TTACCGTCTGC	AGAGTTAGCC	AACAAAATGG	CAGTCAAAGG	TTCTCAGGTC
E_typographi	GGTGAAACCA	TCACCGTAGC	GGAAGTGGCT	AACAAAATGG	CGGTGAAAGG	CTCTCTGGTC
P_agglomerans	GGCGAAACTA	TCACCGTAGC	CGAACTGGCT	AACAAAATGG	CGGTGAAAGG	TTCTCTGGTC
P_beijingensis	GGGGAAACGG	TAACCGTTGC	TGAGCTGGCA	AACAAAATGG	CGGTGAAAGG	CTCCCAGGTC
P_dispersa	GGCGAAACCA	TCACCGTTGC	CGAACTGGCC	AACAAAATGG	CGGTGAAAGG	CTCGCTGGTT
P_eucalypti	GGCGAAACCA	TTACCGTAGC	CGAACTGGCT	AACAAAATGG	CAGTCAAAGG	TTCTCTGGTC
E_sorbitola	GGTGAGACTG	TCACCGTAGC	GGAAGTGGCT	AACAAGATGG	CAGTCAAAGG	CTCCCAGGTC
E_toletana	GGCGAAACCG	TGACCGTTGC	CGAACTGGCC	AAATAAAATGG	CAGTCAAAGG	CTCCCTCGTC
unknown_DE2	GGTGAAACCA	TCACCGTAGC	GGAAGTGGCG	AACAAAATGG	CCGTGAAAGG	TTCTCTGGTC
unknown_E602	GGCGAAACCG	TAACCGTAGC	TGAAGTGGCC	AAATAAAATGG	CGGTGAAAGG	CTCCCAGGTT
unknown_Ejp617	GGTGAAACCA	TCACCGTAGC	GGAAGTGGCT	AACAAAATGG	CTGTGAAAGG	TTCTCAGGTC
unknown_QL-Z3	GGCGAAACCA	TCACCGTAGC	CGAACTGGCT	AACAAGATGG	CGGTGAAAGG	TTCCCAGGTC

9121

ecoli_K12	ATCAAAGCGA	TGATGAAACT	GGGCGCAATG	GCAACCATCA	ACCAGGTTAT	CGATCAGGAA
C_E_dacicola	ATCAAAGCGA	TGATGAAAAAT	GGGCGCGATG	GCCACCATCA	ATCAGGTTAT	TGATCAGGAA
C_E_haradaeae	ATTAAAACTA	TGATGAAGTT	AGGTGTTTTA	GCCACTATTA	ACCAAGTGAT	CGACCAGGAA
E_amylovora	ATCAAAGCTA	TGATGAAACT	GGGCGCTATG	GCGACCATCA	ATCAGGTTAT	CGACCAGGAA
E_aphidicola	ATCAAAGCGA	TGATGAAAAAT	GGGCGCAATG	GCGACCATCA	ACCAGGTTAT	CGATCAGGAA
E_billingiae	ATCAAAGCGA	TGATGAAAAAT	GGGCGCCATG	GCCACCATTA	ACCAGGTTAT	CGATCAGGAA
E_endophytica	ATCAAAGTCA	TGATGAAAAAT	GGGCGCTATG	GCGACCATCA	ATCAGGTAAT	CGATCAGGAA
E_iniecta	ATCAAAGCGA	TGATGAAAAAT	GGGCGCTATG	GCGACTATCA	ACCAGGTTAT	CGACCAGGAA
E_mallotivora	ATCAAAGTCA	TGATGAAAAAT	GGGGGCTATG	GCCACCATTA	ATCAGGTGAT	TGATCAGGAG
E_oleae	ATCAAAGTGA	TGATGAAAAAT	GGGCGCCATG	GCCACCATTA	ATCAGGTTAT	CGATCAGGAA
E_persicina	ATCAAAGCGA	TGATGAAAAAT	GGGCGCCATG	GCCACCATCA	ACCAAGTCAT	CGATCAGGAA
E_phyllosphaerae	ATCAAAGCGA	TGATGAAGAT	GGGCGCTATG	GCGACCATCA	ACCAGGTTAT	CGATCAGGAA
E_piriflorinigrans	ATCAAAGCGA	TGATGAAGTT	GGGCGCTATG	GCGACCATCA	ATCAGGTTAT	CGATCAGGAA
E_psidii	ATCAAAGTGA	TGATGAAAAAT	GGGAGCCATG	GCCACTATCA	ATCAGGTGAT	CGATCAGGAA
E_pyrifoliae	ATCAAAGCCA	TGATGAAACT	GGGCGCTATG	GCGACCATCA	ATCAGGTTAT	CGATCAGGAA
E_rhapontici	ATCAAAGCGA	TGATGAAAAAT	GGGCGCTATG	GCCACCATCA	ACCAGGTCAT	CGACCAGGAA
E_tasmaniensis	ATCAAAGCGA	TGATGAAACT	GGGCGCTATG	GCGACCATCA	ATCAGGTTAT	CGATCAGGAA
E_tracheiphila	ATCAAAGTAA	TGATGAAGAT	GGGTGCCATG	GCTACTATCA	ATCAGGTGAT	CGACCAGGAA
E_typographi	ATCAAAGCGA	TGATGAAAAAT	GGGCGCGATG	GCGACCATTA	ATCAGGTTAT	CGATCAGGAA
P_agglomerans	ATTAAAGCGA	TGATGAGAAAT	GGGCGCCATG	GCGACCATCA	ACCAGGTCAT	CGACCAGGAA
P_beijingensis	ATCAAAGTAA	TGATGAAAAAT	GGGCGCAATG	GCGACCATCA	ACCAGGTTAT	CGATCAGGAA
P_dispersa	ATTAAAGCGA	TGATGAAGAT	GGGTGCCATG	GCGACCATCA	ACCAGGTTAT	CGACCAGGAA
P_eucalypti	ATCAAAGCGA	TGATGAAGAT	GGGCGCAATG	GCGACTATCA	ACCAGGTGAT	CGATCAGGAA
E_sorbitola	ATCAAAGCGA	TGATGAAAAAT	GGGCGCAATG	GCTACCATCA	ACCAGGTTAT	CGACCAGGAA
E_toletana	ATCAAAGCGA	TGATGAAAAAT	GGGCGCGATG	GCGACTATCA	ACCAGGTTAT	CGACCAGGAA
unknown_DE2	ATCAAAGCGA	TGATGAAGAT	GGGCGCTATG	GCGACCATTA	ACCAGGTTAT	CGATCAGGAA
unknown_E602	ATCAAAGCGA	TGATGAAGAT	GGGCGCCATG	GCGACCATCA	ACCAGGTTAT	CGATCAGGAA
unknown_Ejp617	ATCAAAGCGA	TGATGAAACT	GGGCGCTATG	GCGACCATCA	ATCAGGTTAT	CGATCAGGAA
unknown_QL-Z3	ATCAAAGCGA	TGATGAAAAAT	GGGCGCCATG	GCCACCATTA	ACCAGGTTAT	CGATCAGGAA

9181

ecoli_K12	ACCGCACAGC	TGGTTGCTGA	AGAGATGGGC	CATAAAGTTA	TCCTGCGTCG	TGAAAAAGAG
C_E_dacicola	ATTGCCCAGC	TGGTTCGCGGA	AGAGATGGGT	CACAAAGTGA	CGCTGCGCCG	CGAGAATGAG
C_E_haradaeae	ACGGCTCAGG	TAGTAGCAGA	AGACATGGGT	CATAAAGTAA	TATTACGGAG	AGAAAAATGAG
E_amylovora	ACTGCCCAGC	TGGTTCGCGGA	AGAAATGGGT	CACAAAGTGA	CGCTGCGCCG	TGAAAAAGAG
E_aphidicola	ACTGCCCAGC	TGGTTCGCGGA	AGAGATGGGT	CACAAAGTGA	CGCTGCGCCG	CGAGAATGAG
E_billingiae	ACTGCCCAGC	TGGTAGCGGA	AGAAATGGGT	CACAAAGTGA	CGCTGCGCCG	TGAGAATGAG
E_endophytica	ACGGCCCCAAC	TGGTTGCGGA	AGAAATGGGG	CACAAAGTCA	TTCTGCGCCG	CGAGAACGAG
E_iniecta	ACCGGTCAGA	TGGTTCGCGGA	AGAGATGGGT	CACAAAGTGA	CGCTGCGCCG	CGAAAAATGAG
E_mallotivora	ACAGGTCAGC	TGGTTCGCGGA	AGAGATGGGT	CACAAAGTGA	CGCTGCGCCG	TGAGAATGAG
E_oleae	ACCGCACAGC	TGGTTGCCGA	GGAGATGGGA	CACAAAGTGA	CCCTTCGCCG	CGAGAACGAA
E_persicina	ACTGCTCAGA	TGGTTCGCGGA	AGAAATGGGT	CACAAAGTGA	CACTGCGCCG	CGAAAAAGAG
E_phyllosphaerae	ACTGCCCAGC	TGGTTCGCGGA	AGAAATGGGT	CACAAAGTGA	CGCTGCGCCG	CGAAAAAGAG
E_piriflorinigrans	ACTGCCCAGC	TGGTTGCGGA	AGAAATGGGT	CACAAAGTGA	CGCTGCGCCG	CGAAAAAGAG
E_psidii	ACTGCCCAGC	TGGTAGCGGA	AGAGATGGGA	CATAAAGTGA	CGCTTCGCCG	TGAAAAAGAG
E_pyrifoliae	ACTGCCCAGC	TGGTTCGCGGA	AGAAATGGGT	CACAAAGTGA	CACCTACGCCG	CGAAAAAGAG
E_rhapontici	ACGGGTCAGA	TGGTAGCGGA	AGAAATGGGT	CACAAAGTGA	CTCTGCGCCG	CGAAAAATGAG
E_tasmaniensis	ACTGCCCAGC	TGGTTCGCGGA	AGAAATGGGT	CACAAAGTGA	CTCTACGCCG	CGAAAAATGAG
E_tracheiphila	ACTGCACAGC	TGGTTGCGGA	AGAAATGGGT	CACAAAGTGA	CGCTGCGCCG	TGAGAACGAG
E_typographi	ACTGCCCAGC	TGGTTGCGGA	AGAGATGGGT	CACAAAGTGA	CGCTGCGCCG	CGAGAACGAG
P_agglomerans	ACTGCACAGC	TGGTTGCGGA	AGAGATGGGT	CACAAAGTGA	CCCTGCGTCG	TGAGAACGAG
P_beijingensis	ACTGCTCAGC	TAGTTGCGGA	AGAAATGGGT	CACAAAGTGA	CGTTGCGCCG	CGAGAACGAG
P_dispersa	ACCGCCCCAGC	TGGTGGCCGA	AGAGATGGGT	CACAAAGTGA	TCCTGCGCCG	CGAGAACGAG
P_eucalypti	ACTGCACAGC	TGGTTGCCGA	AGAGATGGGT	CACAAAGTAA	CCCTGCGTCG	TGAAAAAGAG
E_sorbitola	ACGGGTCAGT	TAGTTGCGGA	AGAAATGGGT	CATAAAGTGA	CTCTGCGCCG	TGAGAACGAA
E_toletana	ACTGCTCAGA	TGGTTCGCGGA	AGAAATGGGT	CACAAAGTGA	CGCTGCGCCG	CGAAAAATGAG
unknown_DE2	ACAGGTCAGC	TGGTAGCGGA	AGAGATGGGT	CACAAAGTGA	CGCTACGCCG	CGAGAACGAG
unknown_E602	ACTGCTCAGC	TGGTTCGCGGA	AGAGATGGGT	CACAAAGTGA	CGCTGCGCCG	CGAGAACGAG
unknown_Ejp617	ACTGCCCAGC	TGGTTCGCGGA	AGAAATGGGT	CACAAAGTGA	CACCTACGCCG	CGAAAAAGAG
unknown_QL-Z3	ACTGCCCAGC	TGGTAGCGGA	AGAAATGGGT	CACAAAGTGA	CGCTGCGCCG	TGAGAATGAG

9241

ecoli_K12	CTGGAAGAGG	CGGTAATGAG	CGACCGTGAC	ACGGGTGCTG	CGGCTGAACC	GCGCGCGCCG
C_E_dadicola	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACCGATGCCG	TTCACGAATC	CCGTGCGCCA
C_E_haradaeae	TTAGAAGCGG	CGTAAATGAG	TGATCGGGAT	ACCGATATAG	TTTTAGCTTC	GCGCGCTCCT
E_amylovora	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACCGACGGGA	TGCTGGAATC	TCGTGCGCCG
E_aphidicola	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACCGATGCCG	TTACACGAATC	CCGTGCGCCG
E_billingiae	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACTCATGCGC	TGCAGGAATC	CCGTGCAACG
E_endophytica	CTGGAAGAAG	CGGTAATGAG	TGATCGTGAT	ACCGATGCCG	CAATGGAATC	TCGTGCGCCG
E_iniecta	CTGGAAGAGG	CGGTAATGGG	TGACCGTGAT	ACTGATGCTG	CGCTGGAATC	CCGCGCACCA
E_mallotivora	TTGGAAGAAG	CGGTAATGAG	CGATCGTGAC	ACCGACGCAG	CAATGGAGTC	CCGCGCGCCG
E_oleae	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACCGATGCCG	CAATGGAATC	TCGTGCGCCG
E_persicina	TTGGAAGAAG	CGGTAATGAG	CGACCGTGAT	ACCGATGCCG	TGCATGAGTC	TCGTGCAACG
E_phyllosphaerae	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACCGATGCAG	CGATGGAATC	GCGTGCACCG
E_piriflorinigrans	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACCGACGCCG	TGCATGAATC	TCGTGCAACG
E_psidii	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACCGATGCAG	CGATGGAATC	GCGAGCCCCCT
E_pyrifoliae	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACCGACGCCG	TGCTGGAATC	CCGTGCGCCG
E_rhapontici	CTGGAAGAAG	CGGTAATGAG	TGACCGTGAT	ACCGATGCCG	TGCTGAGTC	TCGTGCTCCG
E_tasmaniensis	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAC	ACCGATGCCG	TGCTGGAATC	TCGTGCTCCG
E_tracheiphila	TTGGAAGAAG	CAGTCATGAG	CGATCGTGAT	ACTGATGCCG	CAATGGAATC	GCGTGCACCT
E_typographi	CTGGAAGATG	CGGTAATGAG	CGATCGTGAT	ACCGATGCCG	CCCACGAATC	CCGTGCGCCG
P_agglomerans	CTGGAAGAAG	CGGTAATGGA	CGATCGTGAT	ACTGATGCTG	CGCAGGAGTC	TCGTGCTCCG
P_beijingensis	CTGGAAGAAG	CAGTAATGAG	CGATCGTGAT	ACTGATGCCG	CGTTAGAATC	GCGTGCACCA
P_dispersa	CTGGAAGAAG	CGGTAATGGA	CGATCGTGAT	ACCGATGCTG	CGCAGGAAAG	CCGTGCGCCG
P_eucalypti	CTGGAAGAAG	CGGTAATGGA	CGATCGTGAT	ACCGATGCTG	CGCAGGAGTC	TCGTGCGCCG
E_sorbitola	CTGGAAGAAG	CGGTCATGAG	CGATCGTGAT	ACCGATGCCG	TGCTGGAAGC	TCGTGCGCCG
E_toletana	CTGGAAGAGG	CGGTAATGGG	CGACCGTGAT	ACTGATGCTG	CGCTGGAATC	CCGCGCGCCA
unknown_DE2	CTGGAAGATG	CGGTAATGAG	CGATCGTGAT	ACTCACGCTA	CTCAGGAATC	CCGTGCGCCG
unknown_E602	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	GTCGATGCTG	ACCACGAATC	CCGTGCGCCA
unknown_Ejp617	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACCGACGCCG	TGCTGGAATC	CCGTGCGCCG
unknown_QL-Z3	CTGGAAGAAG	CGGTAATGAG	CGATCGTGAT	ACTCATGCGC	TGCAGGAATC	CCGTGCAACG

9301

ecoli_K12	GTTGTGACCA	TCATGGGTCA	CGTTGACCAC	GGTAAAAACCT	CTCTGCTGGA	CTACATTCCGT
C_E_dadicola	GTTGTAAACAA	TCATGGGTCA	CGTTGACCAC	GGTAAAAACCT	CTCTGCTGGA	CTATATCCGT
C_E_haradaeae	GTTGTGACTA	TAATGGGTCA	TGTGGATCAC	GGTAAAAACAT	CTTTGCTTGA	TTACATTCCGT
E_amylovora	GTCGTGACCA	TCATGGGCCA	CGTTGATCAC	GGTAAAAACGT	CTCTGCTTGA	CTACATCCGT
E_aphidicola	GTTGTGACCA	TCATGGGTCA	CGTTGACCAC	GGTAAAAACCT	CTCTGCTGGA	CTATATCCGT
E_billingiae	GTCGTGACCA	TCATGGGCCA	CGTTGACCAC	GGTAAAAACCT	CTTTGCTGGA	TTATATTCCG
E_endophytica	GTTGTGACCA	TCATGGGGCA	CGTTGACCAT	GGTAAAAACGT	CCCTGCTGGA	TTACATTCCGT
E_iniecta	GTTGTGACCA	TTATGGGGCA	CGTTGACCAT	GGTAAAACTT	CCCTGCTGGA	CTATATCCGT
E_mallotivora	GTTGTGACCA	TTATGGGGCA	CGTTGACCAC	GGTAAAAACGT	CCCTGCTGGA	TTACATCCGT
E_oleae	GTCGTGACCA	TCATGGGCCA	CGTTGACCAC	GGTAAAAACCT	CGCTGCTGGA	TTACATTCCGT
E_persicina	GTCGTGACCA	TCATGGGTCA	CGTTGACCAC	GGTAAAAACCT	CTCTGCTGGA	CTACATTCCG
E_phyllosphaerae	GTTGTGACTA	TCATGGGTCA	CGTTGACCAC	GGTAAAAACGT	CGCTGCTGGA	CTATATCCGC
E_piriflorinigrans	GTAGTGACCA	TTATGGGTCA	TGTTGACCAC	GGTAAAAACCT	CACTGCTGGA	CTACATCCGT
E_psidii	GTTGTGACCA	TCATGGGCCA	CGTCGATCAC	GGTAAAAACCT	CTCTGCTGGA	TTATATCCGC
E_pyrifoliae	GTCGTGACCA	TCATGGGCCA	CGTTGACCAC	GGTAAAAACAT	CGCTGCTGGA	CTATATCCGT
E_rhapontici	GTCGTGACTA	TCATGGGTCA	CGTTGACCAC	GGTAAAAACAT	CTCTGCTGGA	CTACATTCCG
E_tasmaniensis	GTCGTGACCA	TTATGGGTCA	CGTTGACCAC	GGAAAAACCT	CACTGCTGGA	TTATATCCGC
E_tracheiphila	GTAGTGACCA	TCATGGGGCA	TGTTGATCAC	GGTAAAACTT	CCCTGCTGGA	CTATATTCCG
E_typographi	GTTGTCACTA	TCATGGGTCA	CGTTGACCAC	GGTAAAAACCT	CGCTGCTGGA	CTATATTCCG
P_agglomerans	GTTGTGACCA	TCATGGGCCA	CGTCGACCAC	GGTAAAAACGT	CCCTGCTGGA	CTATATTCCGT
P_beijingensis	GTCGTGACCA	TTATGGGGCA	CGTTGACCAC	GGTAAAAACGT	CACTGCTGGA	TTACATCCGC
P_dispersa	GTCGTGACCA	TCATGGGTCA	CGTTGACCAC	GGTAAAAACCT	CGCTGCTGGA	CTACATCCGC
P_eucalypti	GTTGTGACCA	TCATGGGCCA	CGTCGACCAC	GGTAAAAACGT	CTCTGCTGGA	CTATATCCGC
E_sorbitola	GTTGTGACCA	TCATGGGTCA	CGTTGACCAT	GGTAAAAACCT	CGCTGCTGGA	CTATATTCCG
E_toletana	GTTGTGACCA	TTATGGGTCA	CGTTGACCAT	GGTAAAAACCT	CCCTGCTGGA	CTACATCCGT
unknown_DE2	GTCGTGACCA	TCATGGGGCA	CGTTGACCAC	GGTAAAAACCT	CGCTGCTGGA	CTACATTCCG
unknown_E602	GTCGTGACCA	TCATGGGGCA	CGTTGACCAC	GGTAAAAACCT	CACTGCTGGA	CTACATCCGT
unknown_Ejp617	GTCGTGACCA	TCATGGGGCA	CGTTGACCAC	GGTAAAAACGT	CGCTGCTGGA	CTATATCCGT
unknown_QL-Z3	GTCGTGACCA	TCATGGGGCA	CGTTGACCAC	GGTAAAAACCT	CTTTGCTGGA	TTATATTCCG

9361

ecoli_K12	TCAACGAAAG	TGGCCTCTGG	CGAAGCGGGC	GGCATTACCC	AGCACATTGG	TGCATACCAC
C_E_dadicola	TGCACAAAAG	TTGCCCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCACATCGG	TGCATACCAC
C_E_haradaeae	TCTACTAAAAG	TTGCCCTCTGG	AGAAGCGGGG	GGAATCACTC	AACATATTGG	TGCTTACTCT
E_amylovora	TCAACTAAAAG	TGCTTCTCTGG	CGAAGCGGGC	GGCATAACGC	AGCACATCGG	TGCCTACCAC
E_aphidicola	TCGACCAAAAG	TGCGCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCACATCGG	TGCATACCAC
E_billingiae	TCCACTAAAA	TGCGCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCACATCGG	TGCATACCAC
E_endophytica	TCCACCAAAAG	TGCTTCTCTGG	CGAGGCGGGC	GGTATTACTC	AGCACATTGG	CGCATACCAC
E_iniecta	TCCACCAAAA	TGCGCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCATATCGG	TGCTTACCAC
E_mallotivora	TCTACCAAAAG	TGGCCTCTGG	CGAAGCGGGC	GGTATTACCC	AGCATATTGG	TGCTTACCAC
E_oleae	TCCACCAAGG	TTGCCCTCCGG	CGAAGCGGGC	GGCATTACCC	AGCACATCGG	TGCTTACCAC
E_persicina	TCCACGAAAAG	TGCGCTCTGG	CGAAGCGGGC	GGGATTACTC	AGCACATCGG	TGCCTACCAC
E_phyllosphaerae	TCCACTAAAAG	TGCGCTCTGG	CGAAGCGGGC	GGCATTACCC	AGCACATTGG	TGCCTACCAC
E_piriflorinigrans	TCCACTAAAAG	TGCGCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCACATCGG	TGCTTACCAC
E_psidii	TCCACTAAAAG	TGCGCTCTGG	CGAGGCGGGT	GGTATTACCC	AGCATATTGG	TGCCTATCAC
E_pyrifoliae	TGCACTAAAAG	TGCTTCTCTGG	CGAAGCGGGC	GGTATTACTC	AGCACATCGG	TGCCTACCAC
E_rhapontici	TCCACCAAAAG	TGCGCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCATATCGG	TGCTTACCAC
E_tasmaniensis	TCAACGAAAAG	TGCGCTCCGG	CGAAGCGGGC	GGCATTACAC	AGCATATCGG	TGCTTACCAC
E_tracheiphila	TCTACTAAAAG	TGGCGTCTGG	TGAGGCGGGG	GGAATCACCC	AGCATATCGG	TGCTTATCAC
E_typographi	TCCACCAAAA	TGCGCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCACATTGG	TGCTTACCAC
P_agglomerans	TCCACTAAAA	TGCGCTCTGG	CGAAGCGGGC	GGTATTACTC	AGCACATCGG	TGCTTACCAC
P_beijingensis	TCAACTAAAA	TGCGCTCTGG	CGAAGCGGGC	GGGATTACCC	AGCATATCGG	TGCTTACCAC
P_dispersa	TCCACCAAAAG	TGCGCTCCGG	CGAAGCGGGC	GGGATTACCC	AGCACATCGG	TGCGTACCAC
P_eucalypti	TCCACTAAAA	TGCGCTCTGG	CGAAGCGGGC	GGCATTACAC	AGCACATCGG	TGCTTACCAC
E_sorbitola	TCCACTAAAAG	TGCGCTCAGG	CGAAGCGGGC	GGCATTACCC	AGCACATCGG	TGCTTACCAC
E_toletana	TCCACCAAAA	TGCGCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCATATCGG	TGCTTACCAC
unknown_DE2	TCCACCAAAA	TGCGCTCTGG	CGAAGCGGGC	GGGATTACTC	AGCACATCGG	TGCTTACCAC
unknown_E602	TCCACTAAAAG	TGCGCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCACATCGG	TGCATACCAC
unknown_Ejp617	TGCACTAAAAG	TGCTTCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCACATCGG	TGCCTACCAC
unknown_QL-Z3	TCCACTAAAA	TGCGCTCTGG	CGAAGCGGGC	GGCATTACTC	AGCACATCGG	TGCATACCAC

9421

ecoli_K12	GTTGAAACTG	AAAAACGGCAT	GATCACCTTC	CTGGACACCC	CGGGGCACGC	CGCGTTTACT
C_E_dadicola	GTTGAAACCG	ACGACGGTAT	GGTGACCTTC	CTAGATACCC	CGGGCCACGC	AGCGTTTACT
C_E_haradaeae	GTAGAAACGG	TAAATGGTAT	GATCACCTTC	TTAGACACGC	CAGGACATGC	GGCGTTTACC
E_amylovora	GTTGAAACTG	ACAACGGTAT	GGTGACCTTC	CTGGACACCC	CGGGGCACGC	TGCGTTTACC
E_aphidicola	GTTGAAACCG	ACAACGGTAT	GGTGACCTTC	CTGGATACCC	CGGGCCACGC	AGCGTTTACT
E_billingiae	GTTGAAACTG	ACACCGGTAT	GATCACCTTC	CTGGATACCC	CGGGACACGC	CGCGTTTACC
E_endophytica	GTTGAAACCG	ATAACGGTAT	GGTGACCTTC	CTTGATACCC	CGGGACACGC	CGCGTTTACC
E_iniecta	GTTGAAACCG	ACAACGGTAT	GGTACCTTTC	CTTGATACCC	CAGGTCACGC	CGCGTTTACC
E_mallotivora	GTTGAAACTG	ACAAATGGGAT	GATCACCTTC	CTGGATACCC	CAGGCCATGC	CGCGTTTACC
E_oleae	GTGAAACCG	ATAACGGCAT	GGTGACCTTC	CTTGATACCC	CAGGTCACGC	CGCGTTTACC
E_persicina	GTTGAAACTG	ACAACGGTAT	GGTACCTTTC	CTGGATACCC	CAGGCCACGC	CGCGTTTACC
E_phyllosphaerae	GTTGAAACCG	ACAACGGTAT	GGTACCTTTC	CTGGATACCC	CAGGCCACGC	CGCGTTTACC
E_piriflorinigrans	GTTGAAACTG	ACAACGGTAT	GGTGACCTTC	CTGGATACCC	CTGGCCACGC	CGCGTTTACC
E_psidii	GTTGAAACTG	ACAACGGTAT	GATCACCTTC	CTGGATACCC	CGGGCCATGC	TGCGTTTACC
E_pyrifoliae	GTTGAAACTG	ACAACGGTAT	GGTGACCTTC	CTGGATACCC	CGGGACACGC	CGCGTTTACC
E_rhapontici	GTTGAAACTG	ACAACGGTAT	GGTACCTTTC	CTGGATACCC	CAGGCCACGC	AGCGTTTACT
E_tasmaniensis	GTTGAAACCG	ATAACGGTAT	GGTGACCTTC	CTGGATACCC	CAGGCCACGC	CGCGTTTACC
E_tracheiphila	GTTGAAACCG	ATAACGGTAT	GATCACCTTC	CTTGACACGC	CGGGGCACGC	CGCGTTTACT
E_typographi	GTTGAAACCG	ACACCGGTAT	GATCACCTTC	CTGGATACCC	CGGGCCACGC	CGCGTTTACC
P_agglomerans	GTTGAAACCG	ACAACGGTAT	GGTACCTTTC	CTGGATACCC	CGGGCCACGC	CGCGTTTACC
P_beijingensis	GTTGAAACTG	ATAACGGGAT	GGTAACCTTC	CTTGATACCC	CGGGCCACGC	CGCGTTTACT
P_dispersa	GTTGAAACCG	ATAACGGCAT	GATCACCTTC	CTCGACACCC	CGGGCCACGC	CGCGTTTACC
P_eucalypti	GTTGAAACTG	ACAACGGTAT	GGTACCTTTC	CTGGATACCC	CGGGCCACGC	CGCGTTTACC
E_sorbitola	GTTGAAACTG	ACAACGGTAT	GGTGACCTTC	CTCGATACCC	CAGGCCACGC	AGCGTTTACC
E_toletana	GTTGAAACCG	AAAAACGGTAT	GGTACCTTTC	CTGGATACCC	CAGGCCACGC	CGCGTTTACC
unknown_DE2	GTAGAAACCG	ATACCGGTAT	GATCACCTTC	CTGGATACCC	CGGGCCACGC	CGCGTTTACC
unknown_E602	GTGAAACCG	ACAACGGTAT	GATCACCTTC	CTCGACACCC	CAGGCCACGC	CGCGTTTACC
unknown_Ejp617	GTTGAAACTG	ACAACGGTAT	GGTGACCTTC	CTGGATACCC	CGGGACACGC	CGCGTTTACC
unknown_QL-Z3	GTTGAAACTG	ACACCGGTAT	GATCACCTTC	CTGGATACCC	CGGGACACGC	CGCGTTTACC

9481

ecoli_K12	TCAATGCGTG	CTCGTGGTGC	GCAGGCAACG	GACATCGTAG	TCCTGGTTGT	TGCTGCCGAC
C_E_dadicola	TCAATGCGTG	CACGTGGTGC	TCAGGCAACG	GACATCGTTA	TCCTAGTTGT	TGCAGCAGAC
C_E_haradaeae	TCTATGCGAG	CTCGTGGAGC	CAAGGTGACA	GACATCGTTA	TCTTAGTAGT	GGCTGCAGAC
E_amylovora	GCAATGCGCG	CCCGTGGTGC	TCAGGCGACA	GACATCGTTA	TTCCTGGTGGT	AGCTGCCGAT
E_aphidicola	TCAATGCGTG	CACGTGGTGC	TCAGGCAACG	GATATCGTTA	TCCTGGTTGT	TGCAGCAGAC
E_billingiae	GCAATGCGTG	CTCGTGGTGC	TCAGGCGACT	GACATCGTTA	TCCTGGTCGT	TGCCGCAGAT
E_endophytica	GCGATGCGTG	CTCGTGGTGC	TCAGGCAACG	GACATCGTTA	TTCCTGGTTGT	GGCCGCAGAT
E_iniecta	GCAATGCGTG	CCCGTGGTGC	TCAGGCAACG	GATATCGTTA	TCCTGGTTGT	CGCAGCGGAT
E_mallotivora	GCAATGCGTG	CTCGTGGTGC	TCAGGCAACG	GACATCGTTA	TTCCTGGTGGT	CGCAGCGGAT
E_oleae	GCTATGCGTG	CTCGTGGTGC	GCAGGCAACG	GATATCGTTA	TTCCTGGTTGT	GGCTGCTGAC
E_persicina	TCAATGCGTG	CTCGTGGTGC	TCAGGCAACG	GATATCGTTA	TCCTGGTTCGT	TGCTGCAGAT
E_phyllosphaerae	GCAATGCGTG	CCCGTGGTGC	TCAGGCAACG	GATATCGTTA	TCCTGGTAGT	GGCAGCGGAT
E_piriflorinigrans	GCGATGCGTG	CCCGTGGTGC	TCAGGCGACC	GATATCGTTA	TCCTGGTGGT	TGCTGCTGAC
E_psidii	GCAATGCGTG	CTCGCGGTGC	TCAGGCAACG	GATATCGTTA	TTCCTGGTGGT	TGCAGCCGAC
E_pyrifoliae	GCAATGCGCG	CCCGTGGTGC	TCAGGCGACA	GATATCGTTA	TTCCTGGTTGT	TGCTGCTGAC
E_rhapontici	TCAATGCGTG	CCCGCGGTGC	TCAGGCAACG	GATATCGTTA	TCCTGGTGGT	TGCCGGCTGAC
E_tasmaniensis	GCGATGCGTG	CCCGTGGTGC	TCAGGCGACC	GATATCGTTA	TCCTGGTTCGT	TGCTGCTGAC
E_tracheiphila	GCAATGCGTG	CACGTGGGGC	ACAGGCAACG	GATATCGTTA	TTCCTGGTCGT	CGCAGCAGAC
E_typographi	GCAATGCGTG	CTCGTGGCGC	TCAGGCAACG	GATATCGTTA	TCCTGGTGGT	TGCTGCCGAT
P_agglomerans	GCGATGCGTG	CACGTGGTGC	GCAGGCGACC	GATATCGTTA	TCCTGGTGGT	TGCAGCAGAC
P_beijingensis	GCGATGCGTG	CACGTGGTGC	TCAGGCGACC	GATATCGTTA	TCCTGGTGGT	TGCTGCCGAT
P_dispersa	GCAATGCGTG	CACGTGGTGC	GCAGGCCACG	GATATCGTTA	TCCTGGTGGT	GGCGGCCGAC
P_eucalypti	GCGATGCGTG	CACGTGGTGC	GCAGGCTACC	GACATCGTTA	TCCTGGTGGT	TGCAGCAGAC
E_sorbitola	TCAATGCGTG	CCCGTGGTGC	TCAGGCAACG	GATATCGTTA	TCCTGGTTGT	TGCAGCGGAC
E_toletana	GCGATGCGTG	CCCGTGGTGC	TCAGGCAACT	GACATCGTTA	TCCTGGTTGT	TGCTGCCGAC
unknown_DE2	GCGATGCGTG	CACGTGGTGC	TCAGGCAACG	GATATCGTTA	TCCTGGTGGT	AGCGGCCGAC
unknown_E602	TCTATGCGTG	CTCGTGGTGC	TCAGGCGACG	GATATCGTTA	TCCTGGTGGT	GGCGGCCGAC
unknown_Ejp617	GCAATGCGCG	CCCGTGGTGC	TCAGGCGACA	GATATCGTTA	TTCCTGGTTGT	TGCTGCTGAC
unknown_QL-Z3	GCAATGCGTG	CTCGTGGTGC	TCAGGCGACT	GACATCGTTA	TCCTGGTTCGT	TGCCGCAGAT

9541

ecoli_K12	GACGGTGTGA	TGCCGCAGAC	CATCGAAGCA	ATCCAGCACG	CGAAAGCGGC	GCAGGTACCG
C_E_dadicola	GATGGCGTGA	TGCCACAGAC	TATCGAAGCT	ATTCAGCATG	CCAAAGCGGC	CAAAGTGCCG
C_E_haradaeae	GATGGAGTTA	TGCCCTCAAAC	TATTGAGGCG	ATTCAGCATG	CTAAAGCGGC	TAAAGTGCCG
E_amylovora	GACGGCGTGA	TGCCGCAGAC	TATCGAAGCC	ATCCAGCATG	CGAAAGCGGC	GAAAGTGCCG
E_aphidicola	GATGGCGTGA	TGCCACAGAC	TATCGAAGCT	ATTCAGCACG	CCAAAGCGGC	CAAAGTGCCG
E_billingiae	GATGGCGTGA	TGCCACAGAC	TATCGAAGCT	ATCCAGCACG	CAAAAGCGGC	GAAAGTGCCG
E_endophytica	GACGGCGTAA	TGCCGCAGAC	TATCGAGGCT	ATCCAGCATG	CTAAAGCGGC	GAAAGTGCCG
E_iniecta	GACGGCGTGA	TGCCCTCAGAC	CATCGAAGCT	ATTCAGCATG	CGAAAGCAGC	GAAAGTGCCG
E_mallotivora	GATGGCGTAA	TGCCACAGAC	TATCGAAGCT	ATCCAGCATG	CTAAAGCGGC	GAAAGTGCCG
E_oleae	GATGGCGTGA	TGCCCTCAGAC	CATCGAAGCA	ATCCAGCACG	CCAAAGCGGC	GAAAGTGCCG
E_persicina	GATGGCGTGA	TGCCACAGAC	TATCGAAGCT	ATCCAGCATG	CGAAAGCGGC	CAAAGTGCCG
E_phyllosphaerae	GACGGCGTGA	TGCCACAGAC	CATCGAAGCT	ATTCAGCACG	CCAAAGCGGC	AAAAGTGCCG
E_piriflorinigrans	GATGGCGTGA	TGCCCTCAGAC	CATTGAAGCG	GTACAGCATG	CGAAGGCGGC	GAAAGTGCCG
E_psidii	GATGGCGTAA	TGCCCTCAAAC	TGTCGAAGCC	ATTCAGCATG	CCAAAGCGGC	AAAAGTGCCG
E_pyrifoliae	GATGGCGTGA	TGCCACAGAC	TATCGAAGCG	ATCCAGCATG	CGAAAGCGGC	GAAAGTGCCG
E_rhapontici	GATGGCGTGA	TGCCACAGAC	TATCGAAGCG	ATCCAGCATG	CGAAAGCGGC	CAAAGTGCCG
E_tasmaniensis	GATGGCGTGA	TGCCCTCAGAC	CATTGAAGCG	GTCCAGCATG	CGAAGGCGGC	AAAAGTGCCG
E_tracheiphila	GACGGTGTAA	TGCCACAAAC	AGTTGAGGCA	ATTCAGCATG	CTAAAGCTGC	TAAAGTGCCG
E_typographi	GACGGCGTGA	TGCCGCAGAC	TATCGAAGCT	ATTCAGCACG	CTAAAGCGGC	GAAAGTGCCG
P_agglomerans	GATGGCGTGA	TGCCACAGAC	TGTCGAAGCT	ATTCAGCACG	CCAAAGCGGC	TAAAGTGCCG
P_beijingensis	GATGGCGTGA	TGCCACAGAC	TATCGAAGCT	ATCCAGCATG	CGAAAGCTGC	GAAGGTGCCG
P_dispersa	GATGGCGTGA	TGCCACAAAC	CGTCGAAGCT	ATCCAGCACG	CGAAAGCGGC	CGGTGTGCCG
P_eucalypti	GATGGCGTAA	TGCCACAGAC	TGTTGAAGCT	ATTCAGCACG	CCAAAGCGGC	GAAAGTGCCG
E_sorbitola	GATGGCGTGA	TGCCACAGAC	CATCGAAGCT	ATCCAGCACG	CCAAAGCGGC	TAAAGTGCCG
E_toletana	GACGGCGTGA	TGCCCTCAGAC	CATCGAAGCT	ATTCAGCATG	CGAAAGCAGC	GAAAGTGCCG
unknown_DE2	GATGGCGTGA	TGCCACAGAC	TATCGAAGCT	ATCCAGCATG	CTAAAGCGGC	GAAAGTGCCG
unknown_E602	GATGGCGTGA	TGCCACAGAC	TATCGAAGCG	ATCCAGCACG	CCAAAGCGGC	CAAAGTGCCG
unknown_Ejp617	GATGGCGTGA	TGCCACAGAC	TATCGAAGCG	ATCCAGCATG	CCAAAGCGGC	AAAAGTGCCG
unknown_QL-Z3	GATGGCGTGA	TGCCACAGAC	TATCGAAGCT	ATCCAGCACG	CAAAAGCGGC	GAAAGTGCCG

9601

ecoli_K12	GTTGGTGGTTG	CAGTGAACAA	GATCGATAAA	CCAGAAGCTG	ATCCGGATCG	CGTTAAGAAC
C_E_dadicola	GTTGTGCTAA	CAGTAAACAA	GTGTGATAAG	CCAGAAGCCG	ATCCGGACCG	TGTTAAAAAG
C_E_haradaeae	GTTGTAGTTG	CGGTAAATAA	ATGTGATAAG	GCGGAATCTG	ATCCAGATCG	TATTAAGCAT
E_amylovora	GTTGTGGTGG	CGGTAAACAA	ATGTGATAAG	CCAGAAGCCG	ATCCGGACCG	TGTCAAAAAAC
E_aphidicola	GTTGTGCTTG	CAGTGAACAA	GTGCGATAAG	CCAGAAGCCG	ATCCGGATCG	TGTTAAAAAC
E_billingiae	GTTGTGTTTG	CGGTGAACAA	AGTTGATAAG	CCAGATGCCG	ATCCGGATCG	TGTTAAAAAC
E_endophytica	GTTGTGGTTG	CTGTGAACAA	GATCGATAAG	CCGGAAGCCG	ATCCGGACCG	CGTTAAAAAT
E_iniecta	GTTGTGGTTG	CGGTCAACAA	AGTTGATAAG	CCAGAATCCG	ATCCGGATCG	TGTTAAAAAC
E_mallotivora	GTTGTGCTTG	CTGTTAACAA	AAATCGATAAG	CCAGAAGCCG	ATCCCGATCG	CGTTAAAAAT
E_oleae	GTTGTGGTTG	CGGTGAACAA	GGTCGATAAA	CCGGAAGCCG	ACCCGGACCG	CGTTAAAAAC
E_persicina	GTTGTGCTTG	CGGTGAACAA	ATGCGATAAG	CCTGATGCCG	ATCCGAGACCG	TGTTAAAACT
E_phyllosphaerae	GTTGTGGTTG	CGGTGAACAA	GTGCGATAAG	CCAGAAGCCG	ATCCGGATCG	CGTTAAAAAC
E_piriflorinigrans	GTGCTGCTTG	CGGTGAACAA	ATGCGATAAG	CCAGAAGCCG	ATCCGGACCG	TGTTAAAAAC
E_psidii	GTTGTGGTTG	CGGTGAACAA	GATCGACAAG	CCAGAAGCCG	ATCCGGATCG	CGTTAAAAAC
E_pyrifoliae	GTTGTGCTTG	CGGTCAACAA	ATGCGATAAG	CCGGAAGCCG	ATCCGGACCG	TGTTAAAAAC
E_rhapontici	GTTGTGCTTG	CGGTGAACAA	ATGCGATAAG	CCTGAAGCTG	ATCCAGACCG	TGTTAAAACT
E_tasmaniensis	GTGCTGCTTG	CTGTGAACAA	ATGTGATAAG	CCGGAAGCCG	ATCCGGACCG	TGTTAAAAAC
E_tracheiphila	GTTGGTGGTTG	CAGTCAACAA	AAATGATAAG	CCAGAAGCCG	ACCCGGATCG	TGTCAAAAAAC
E_typographi	GTTGTGCTTG	CGGTGAACAA	GGTCGATAAG	CCAGATGCTG	ACCCGGACCG	CGTTAAAAAC
P_agglomerans	GTTGTGGTTG	CAGTGAACAA	GTGCGATAAG	CCAGAAGCCG	ATCCGGATCG	TGTTAAAAAC
P_beijingensis	GTAGTGGTTG	CGGTAAACAA	GGTTGATAAA	CCGGAAGCCG	ATCCGGATCG	CGTTAAGAAC
P_dispersa	GTGCTGCTTG	CGGTGAACAA	GATCGACAAG	CCAGAAGCCG	ATCCGGATCG	CGTGAAGAAC
P_eucalypti	GTTGTGGTTG	CGGTGAACAA	GTGCGATAAG	CCAGAAGCCG	ATCCGGATCG	TGTTAAAAAC
E_sorbitola	GTTGTGTTTG	CTGTGAACAA	ATGCGATAAG	CCAGAAGCCG	ATCCAGACCG	TGTTAAAAAC
E_toletana	GTTGTGGTTG	CGGTGAACAA	AGTTGATAAG	CCAGACGCCG	ATCCAGATCG	CGTTAAAAAC
unknown_DE2	GTTGTGGTTG	CGGTGAACAA	AGTCGATAAG	CCTGATGCCG	ATCCGGACCG	CGTGAAAAAC
unknown_E602	GTTGTGGTTG	CGGTGAACAA	AGTCGATAAG	CCTGATGCCG	ATCCGGATCG	TGTTAAAAAC
unknown_Ejp617	GTTGTGCTTG	CGGTGAACAA	ATGCGACAAG	CCGGAAGCCG	ATCCGGACCG	CGTGAAAAAC
unknown_QL-Z3	GTTGTGCTTG	CGGTGAACAA	AGTTGATAAG	CCAGATGCCG	ATCCGGATCG	TGTTAAAAAC

9661

ecoli_K12	GAACTCTCCC	AGTACGGCAT	CCTGCCGGAA	GAGTGGGGCG	GTGAAAGCCA	GTTTCGTACAC
C_E_dadicola	GAGCTGACTC	AGTACGGGAT	CATCCC GGAA	GAGTGGGGCG	GCGAGAACAT	GTTTCGTCAAC
C_E_haradaeae	GAATTAAAGC	CATATGGCAT	TATTCCAGAA	GAGTGGGGCG	GAGAGAATAT	TTTTATCAAT
E_amylovora	GAACTCAGCC	AGTACGGCAT	CATTCCGGAA	GAGTGGGGCG	GTGAAAAACAT	GTTTCGTCAAC
E_aphidicola	GAACTGACTC	AGTACGGGAT	CATCCC GGAA	GAGTGGGGCG	GCGAGAACAT	GTTTCGTCAAC
E_billingiae	GAACTGACCC	AGTACGGAAT	CATTCCGGAA	GAGTGGGGCG	GCGAGAACAT	GTTTCGTGAAC
E_endophytica	GAACTCACTC	AGTACGGAAT	CGTTCCGGAA	GAGTGGGGTG	GCGAGAACAT	GTTTGTTAAT
E_iniecta	GAACTGACTC	AATACGGTAT	CATTCCGGAA	GAGTGGGGCG	GCGAAAAACAT	GTTTGTTAAC
E_mallotivora	GAACTGACTC	AATATGGCAT	CATCCC GGAA	GAGTGGGGCG	GTGAGAACAT	GTTTCGTCAAC
E_oleae	GAACTGACTC	AGTACGGTAT	CATCCC GGAA	GAGTGGGGCG	GCGAAAAACAT	GTTTCGTCAAC
E_persicina	GAACTGACTC	AGTATGGGAT	TATCCC GGAA	GAGTGGGGCG	GCGAAAAACAT	GTTTCGTCAAC
E_phyllosphaerae	GAGCTGACCC	AGTACGGAAT	CATTCCGGAA	GAGTGGGGCG	GCGAAAAACAT	GTTTCGTCAAC
E_piriflorinigrans	GAACTCAGCC	AGTACGGCAT	TATTCCGGAA	GAGTGGGGCG	GCGAGAATAT	GTTTCGTCAAC
E_psidii	GAACTCACTC	AGTACGGTAT	CATTCCGGAA	GAGTGGGGCG	GCGAGAACAT	GTTTGTTAAT
E_pyrifoliae	GAACTTACCC	AGTACGGCAT	TATTCCGGAA	GAGTGGGGCG	GCGAGAACAT	GTTTCGTCAAC
E_rhapontici	GAACTGACTC	AATACGGTAT	CATTCCGGAA	GAGTGGGGCG	GCGAAAAACAT	GTTTCGTCAAC
E_tasmaniensis	GAACTCAGCC	AGTACGGCAT	CATTCCGGAA	GAGTGGGGCG	GCGAGAACAT	GTTTGTCAAT
E_tracheiphila	GAACTGACTC	AATACGGTAT	TATTCCGGAA	GAGTGGGGTG	GCGAAAAATAT	GTTTGTCAAGT
E_typographi	GAACTCAGCC	AGTACGGCAT	CATTCCGGAA	GAGTGGGGCG	GCGAAAAATAT	GTTTGTTAAC
P_agglomerans	GAACTGACTC	AGTACGGTAT	CATTCCGGAA	GAGTGGGGCG	GCGAAAAACAT	GTTTCGTCAAT
P_beijingensis	GAACTGACTC	AGTACGGTAT	CATTCCGGAA	GAGTGGGGCG	GCGAGAACAT	GTTTCGTCAAC
P_dispersa	GAGCTGACCC	AGTACGGTAT	CATTCCGGAA	GAGTGGGGCG	GCGAGAACAT	GTTTCGTCAAC
P_eucalypti	GAACTGACTC	AGTACGGTAT	CATTCCGGAA	GAGTGGGGCG	GCGAAAAACAT	GTTTCGTCAAT
E_sorbitola	GAACTCAGCC	AGTACGGTAT	TATTCCGGAA	GAGTGGGGCG	GCGAAAAACAT	GTTTCGTCAAC
E_toletana	GAACTGACTC	AGTACGGTAT	CATCCC GGAA	GAGTGGGGCG	GCGAGAACAT	GTTTGTTAAC
unknown_DE2	GAACTCAGCC	AGTACGGAAT	CATTCCGGAA	GAGTGGGGCG	GCGAGAACAT	GTTTGTTAAC
unknown_E602	GAACTGACTC	AGTACGGTAT	CATCCC GGAA	GAGTGGGGCG	GCGAGAACAT	GTTTCGTCAAC
unknown_Ejp617	GAACTTACCC	AGTACGGCAT	TATTCCGGAA	GAGTGGGGCG	GCGAGAACAT	GTTTCGTCAAC
unknown_QL-Z3	GAACTGACCC	AGTACGGAAT	CATTCCGGAA	GAGTGGGGCG	GCGAGAACAT	GTTTCGTGAAC

9721

ecoli_K12	GTATCTGCGA	AAGCGGGTAC	CGGTATCGAT	GAACCTGCTGG	ACGCTATCCT	GCTGCAGGCG
C_E_dadicola	GTTTCTGCGA	AAGCCGGTAC	CGGTATCGAC	GACCTGCTGA	ACGTTATCCT	GCTGCAGGCT
C_E_haradaeae	CTCTCCGCTA	AAACTGGTAG	AGGTATTGAT	GACTTGCTAA	AGGCTGTTCT	TCTACAAGCA
E_amylovora	GTCTCTGCGA	AAGCCGGTAC	CGGGATTGAT	GACTTGCTGA	ATGCCATCCT	GCTGCAGGCG
E_aphidicola	GTTTCTGCAA	AAGCCGGTAC	CGGTATCGAC	GACCTGCTGA	ACGTTATCCT	GCTGCAGGCT
E_billingiae	GTGTCTGCGA	AAGCCGGTAC	CGGTATTGAT	GACCTGCTTA	ACGCCATCCT	TCTGCAAGCA
E_endophytica	GTCTCCGCTA	AAGCGGGCAC	CGGGATTGAT	GATCTGTTGA	ACGCCATTTT	GCTGCAAGCT
E_iniecta	GTCTCCGCTA	AAGCCGGTAC	CGGTATTGAT	GACCTGCTGA	ACGCTATCCT	GCTGCAAGCT
E_mallotivora	GTCTCTGCGA	AAGCGGGTAC	CGGCATAGAT	GAATTGTTAA	ACGCTATTCT	GTTGCAGGCT
E_oleae	GTTTCAGCGA	AAGCCGGAAC	GGGTATTGAC	GATCTGCTGA	ACGCTATCCT	GCTACAGGCG
E_persicina	GTTTCAGCGA	AAGTCGGTAC	CGGTATTGAT	GACCTGCTGA	ACGCTATCCT	GCTGCAGGCG
E_phyllosphaerae	GTTTCTGCAA	AAGCCGGAAC	CGGTATTGAC	GATCTGTTAA	ACGCTATTCT	GCTGCAGGCA
E_piriflorinigrans	GTTTCTGCGA	AAGCCGGAAC	CGGTATTGAT	GACCTGCTGA	ACGCTATCCT	GCTACAGGCA
E_psidii	GTGTCTGCGA	AAGCCGGTAC	CGGTATTGAT	GACCTGCTGA	ATGCTATCCT	GTTGCAGGCG
E_pyrifoliae	GTCTCTGCGA	AAGCCGGTAC	CGGTATTGAC	GACCTGCTTA	ATGCTATCCT	GTTGCAGGCG
E_rhapontici	GTTTCAGCGA	AAGTCGGTAC	CGGTATCGAT	GACTTGCTGA	ATGCTATCCT	GCTGCAGGCG
E_tasmaniensis	GTATCAGCGA	AAGCCGGTAC	CGGTATTGAT	GACCTGCTTA	ACGCTATCCT	GCTGCAGGCG
E_tracheiphila	GTCTCTGCGA	AAGCTGGTAC	GGGCATTGAT	GAGTTGCTGA	ATGTTGATCCT	GTTGCAGGCT
E_typographi	GTGTCCGCCA	AAGCGGGGAC	TGGTATTGAT	GACCTGCTTA	ACGCCATTCT	TCTGCAGGCG
P_agglomerans	GTCTCTGCGA	AAGCCGGTAC	CGGCATTGAT	GACCTGTTAA	ACGCTATCCT	GCTGCAGGCG
P_beijingensis	GTCTCTGCGA	AAGCCGGTAC	CGGTATCGAC	GACCTGCTGA	ACGCCATCCT	GTTACAGGCT
P_dispersa	GTCTCCGCGA	AAGCCGGTAC	CGGCATCGAC	GACCTGCTGA	ACGCCATTCT	GCTGCAGGCG
P_eucalypti	GTCTCTGCGA	AAGCCGGTAC	CGGCATTGAT	GATCTGTTAA	ACGCTATCCT	GCTGCAGGCG
E_sorbitola	GTTTCTGCAA	AAGTCGGTAC	CGGTATCGAT	GACCTGCTGA	ACGTGATCCT	GTTGCAGGCT
E_toletana	GTCTCCGCTA	AAGCCGGTAC	CGGTATTGAT	GACCTGCTGA	ACGCAATCCT	GCTGCAAGCT
unknown_DE2	GTCTCTGCGA	AAGCCGGTAC	CGGTATTGAT	GACCTGCTGA	ACGCCATCCT	GTTGCAGGCT
unknown_E602	GTCTCCGCGA	AAGTCGGTAC	CGGTATTGAC	GACCTGTTGA	ACGTAATCCT	GCTGCAGGCG
unknown_Ejp617	GTCTCTGCGA	AAGCCGGTAC	CGGTATTGAT	GACCTGCTGA	ATGCCATCCT	GCTGCAGGCG
unknown_QL-Z3	GTGTCTGCGA	AAGCCGGTAC	CGGTATTGAT	GACCTGCTTA	ACGCCATCCT	TCTGCAAGCA

9781

ecoli_K12	GAAGTTCTGG	AGCTGAAAGC	GGTACGTAAA	GGTATGGCGA	GCGGTGCGGT	TATCGAATCC
C_E_dadicola	GAAGTTCTGG	AGCTGACCGC	GGTTCGTACG	GGTATGGCAA	GCGGTGTAGT	TATCGAATCC
C_E_haradaeae	GAAATCTTAG	AACTGACAGC	GGACATCAA	GGTATGGCAG	TGCGTGTGGT	TATTGAGTCT
E_amylovora	GAAGTTCTTG	AACTGACCGC	CGTACGTCAA	GGCATGGCAA	GCGGTGTGGT	GATCGAATCC
E_aphidicola	GAAGTTCTGG	AGCTGAGCGC	AGTTCGCCAG	GGTATGGCAA	GCGGTGTGGT	TATCGAATCC
E_billingiae	GAAGTCTTGG	AACTGAGCGC	GGTTCGTACG	GGTATGGCAA	GCGGTGTGGT	TATCGAATCC
E_endophytica	GAAGTTCTTG	AGTTGACCGC	TGTTCCGTCAA	GGGATGGCTA	GCGGCGTGGT	CATCGAATCA
E_iniecta	GAAGTTCTTG	AACTGAAAGC	GGTGGGTCAG	GGTATGGCAA	GCGGTGTGGT	AATCGAATCC
E_mallotivora	GAAGTTCTTG	AACTGACCGC	TGTGCGCCAG	GGTATGGCAA	GCGGTGTGGT	AATCGAATCC
E_oleae	GAAGTCTTGG	AACTGACCGC	AGTACGTCAA	GGCATGGCAA	GCGGCGTGGT	CATTGAATCC
E_persicina	GAAGTCTTGG	AACTGAGCGC	TGTTCTGTACG	GGTATGGCAA	GCGGTGTGGT	TATCGAATCC
E_phyllosphaerae	GAAGTTCTTG	AACTGACCGC	GGTTCGTACG	GGTATGGCAA	GCGGCGTAGT	TATCGAATCC
E_piriflorinigrans	GAAGTTCTTG	AACTGTCGGC	AGTCCGTACG	GGTATGGCGA	GCGGCGTGGT	GATCGAGTCC
E_psidii	GAAGTTCTTG	AACTAACCGC	AGTTCGCCAG	GGTATGGCAA	GCGGTGTGGT	AATCGAATCT
E_pyrifoliae	GAGGTCTTGG	AACTTAGCGC	TGTACGTACG	GGTATGGCGA	GCGGTGTGGT	GATCGAATCC
E_rhapontici	GAAGTCTTGG	AACTGAGTGC	AGTACGTCAA	GGCATGGCAA	GCGGTGTGGT	TATCGAGTCC
E_tasmaniensis	GAAGTTCTTG	AACTGTCGGC	AGTACGTCAA	GGTATGGCGA	GCGGCGTAGT	GATCGAATCC
E_tracheiphila	GAAGTTCTTG	AGTTGACTGC	TGTTCTGTACG	GGTATGGCGA	GCGGAGTGGT	GATCGAGTCC
E_typographi	GAAGTCTTGG	AGCTGAGCGC	GGTTCGTACG	GGTATGGCAA	GCGGCGTGGT	GATCGAATCC
P_agglomerans	GAAGTCTTGG	AACTGACCGC	TATCCGTGAA	GGTATGGCGA	GCGGCGTGGT	GATCGAATCC
P_beijingensis	GAAGTTCTTG	AACTGACTGC	TGTCCGTACG	GGTATGGCAA	GCGGTGTAGT	CATCGAATCC
P_dispersa	GAAGTACTGG	AGCTGACTGC	GATTCGTACG	GGTATGGCGA	GCGGTGTGGT	GATCGAATCC
P_eucalypti	GAAGTTCTTG	AACTGACCGC	TATCCGTGAA	GGTATGGCGA	GCGGCGTGGT	GATTGAATCC
E_sorbitola	GAAGTTCTTG	AACTGAGCGC	AGTTCGTACG	GGTATGGCAA	GCGGTGTGGT	GATCGAATCC
E_toletana	GAAGTTCTTG	AACTGAAAGC	TGTTCTGTACG	GGTATGGCAA	GCGGCGTAGT	TATCGAATCC
unknown_DE2	GAAGTTCTTG	AACTGAGCGC	CGTTCGTACG	GGTATGGCAA	GCGGTGTGGT	TATCGAATCC
unknown_E602	GAAGTTCTTG	AGCTGAGCGC	GGTACGTCAA	GGTATGGCAA	GCGGCGTGGT	GATCGAGTCC
unknown_Ejp617	GAAGTTCTTG	AACTGACCGC	CGTACGTCAA	GGCATGGCAA	GCGGTGTGGT	GATCGAATCC
unknown_QL-Z3	GAAGTCTTGG	AACTGAGCGC	GGTTCGTACG	GGTATGGCAA	GCGGTGTGGT	TATCGAATCC

9841

ecoli_K12	TTCTCTGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTTCGTGG	TACGTGAAGG	TACTCTGCAC
C_E_dacicola	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAC
C_E_haradaeae	TTTTTAGATA	AAGGTCGAGG	CCCATTGCT	ACTATTTTAG	TGCGTGAAGG	TACGATAAAA
E_amylovora	TTCTTGGATA	AAGGCCGTGG	CCCGGTGGCT	ACCGTTCGTGG	TGCGTGAAGG	TACGCTGAAC
E_aphidicola	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAC
E_billingiae	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAT
E_endophytica	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCG	ACGGTACTGG	TGCGCGAAGG	TACCCCTGAAT
E_iniecta	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCA	ACCGTTCGTGG	TGCGTGAAGG	TACCCCTGAAC
E_mallotivora	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTTCGTGG	TCCGCGAAGG	TACGCTCAAC
E_oleae	TTCTTGGATA	AAGGCCGCGG	CCCGGTTCGT	ACCGTACTGG	TGCGCGAAGG	TACGCTGAAT
E_persicina	TTCTTGGATA	AAGGTCGTGG	TCCGGTCGCA	ACGGTTCTGG	TTTCGTGAAGG	TACGCTGAAC
E_phyllosphaerae	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAC
E_piriflorinigrans	TTCTTGGATA	AAGGCCGTGG	CCCGGTTCGT	ACCGTTCGTGG	TACGCGAAGG	TACGCTGAAT
E_psidii	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTACTGG	TGCGTGAAGG	TACGCTGAAT
E_pyrifoliae	TTCTTGGATA	AAGGCCGTGG	TCCGGTTGCT	ACCGTACTGG	TACGTGAAGG	TACGCTGAAC
E_rhapontici	TTCTTGGATA	AAGGTCGTGG	CCCGGTTCGT	ACTGTACTGG	TTTCGTGAAGG	TACGCTGAAC
E_tasmaniensis	TTCTTGGATA	AAGGTCGTGG	CCCGGTTCGT	ACCGTTCGTGG	TCCGCGAAGG	TACCCCTGAAT
E_tracheiphila	TTCTTGGATA	AAGGTCGCGG	CCCGGTAGCC	ACGGTGTTAG	TACGTGAAGG	AACGCTGAAT
E_typographi	TTCTTGGATA	AAGGACGTGG	TCCGGTTGCT	ACCGTTCGTGG	TGCGCGAAGG	GACGCTGAAC
P_agglomerans	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCC	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAC
P_beijingensis	TTCTTGGATA	AAGGTCGTGG	CCGTGTAGCA	ACCGTTCCTGG	TGCGTGAAGG	TACGTTGAAC
P_dispersa	TTCTTGGATA	AAGGTCGTGG	TCCGGTAGCA	ACCGTTCGTGG	TGCGTGAAGG	TACGTTGAAC
P_eucalypti	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCC	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAC
E_sorbitola	TTCTTGGATA	AAGGTCGTGG	CCCGGTTCGT	ACTGTACTGG	TACGTGAAGG	TACGCTGAAC
E_toletana	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTACTGG	TTTCGTGAAGG	TACGCTGAAT
unknown_DE2	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAC
unknown_E602	TTCTTGGATA	AAGGTCGTGG	CCCGGTGGCT	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAT
unknown_Ejp617	TTCTTGGATA	AAGGCCGTGG	CCCGGTTCGT	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAC
unknown_QL-Z3	TTCTTGGATA	AAGGTCGTGG	TCCGGTTGCT	ACCGTTCGTGG	TACGTGAAGG	TACGCTGAAT

9901

ecoli_K12	AAAGGCGATA	TGCTTCTGTG	TGGCTTCGAA	TACGGTCGTG	TTTCGTGCGAT	GCGTAACGAA
C_E_dacicola	AAAGGCGATA	TGCTACTGTG	CGGCTTCGAG	TATGGCCGTG	TGCGTGCAT	GCGTGACGAG
C_E_haradaeae	AAAGGCGATA	TTGTTTATG	TGGTCTTGAA	TATGGTCGTA	TTTCGAGCGAT	GCGCGATGAA
E_amylovora	AAAGGCGATA	TGCTTCTGTG	TGGCTTCGAA	TATGGCCGCG	TACGAGCAAT	GCGTGACGAG
E_aphidicola	AAAGGCGATA	TGCTACTGTG	CGGCTTCGAG	TATGGCCGTG	TGCGTGCAT	GCGTGACGAG
E_billingiae	AAAGGCGATA	TGCTTCTGTG	CGGCTTCGAG	TATGGCCGTG	TGCGTGCAT	GCGTGACGAA
E_endophytica	AAAGGCGACA	TGCTGCTGTG	TGGCTTCGAG	TACGGACGAG	TCCGAGCGAT	GCGTGATGAA
E_iniecta	AAAGGCGATA	TGCTACTGTG	TGGCTTTGAA	TATGGCCGTG	TCCGTGCGAT	GCGTGACGAG
E_mallotivora	AAAGGCGATA	TGCTATTGTG	CGGCTTTGAA	TACGGCCGTG	TTTCGTGCGAT	GCGTGATGAA
E_oleae	AAAGGCGACA	TGCTGCTGTG	CGGCTTTGAA	TACGGCCGCG	TTTCGTGCCAT	GCGCGACGAA
E_persicina	AAAGGCGACA	TGCTTCTGTG	TGGCTTCGAA	TACGGCCGTG	TGCGTGCAT	GCGTGACGAG
E_phyllosphaerae	AAAGGCGATA	TGCTECTGTG	CGGCTTCGAG	TATGGCCGTG	TGCGTGCAT	GCGTGACGAG
E_piriflorinigrans	AAAGGCGATA	TGCTCCTGTG	TGGCTTTGAG	TACGGCCGCG	TGCGTGCAT	GCGTGACGAG
E_psidii	AAAGGCGATA	TGCTGCTGTG	CGGCTTTGAA	TATGGCCGTG	TGCGTGCAAT	GCGTGATGAG
E_pyrifoliae	AAAGGCGATA	TGCTTCTGTG	TGGTTTTGAA	TACGGCCGCG	TGCGTGCAT	GCGTGACGAG
E_rhapontici	AAAGGCGATA	TGCTTCTGTG	TGGCTTCGAA	TACGGCCGTG	TCCGTGCGAT	GCGTGACGAA
E_tasmaniensis	AAAGGCGATA	TGCTACTGTG	TGGCTTTGAG	TACGGCCGCG	TACGAGCTAT	GCGTGACGAG
E_tracheiphila	AAAGGTCACA	TGCTACTCTG	TGGTTCGAA	TACGGGCGCG	TACGTGCTAT	GCGTGATGAA
E_typographi	AAGGGCGACA	TGCTGCTGTG	TGGCTTTGAG	TATGGCCGCG	TGCGAGCGAT	GCGTGACGAG
P_agglomerans	AAAGGCGACA	TGCTTCTTTG	TGGTTTTGAA	TATGGCCGCG	TTTCGTGCAAT	GCGTGACGAA
P_beijingensis	AAAGGCGATA	TGCTACTGTG	TGGCTTCGAA	TATGGCCGCG	TGCGTGCAT	GCGCGACGAA
P_dispersa	AAGGGCGATA	TGCTACTGTG	CGGCTTCGAA	TACGGCCGTG	TGCGTGCAT	GCGTGACGAA
P_eucalypti	AAAGGCGACA	TGCTTCTTTG	TGGTTTTGAA	TATGGCCGTG	TTTCGTGCAAT	GCGTGACGAA
E_sorbitola	AAAGGCGATA	TGCTTCTGTG	CGGCTTCGAA	TACGGCCGTG	TCCGTGCGAT	GCGTGATGAG
E_toletana	AAAGGCGATA	TGCTGCTGTG	CGGCTTTGAA	TATGGCCGTG	TCCGTGCGAT	GCGTGACGAG
unknown_DE2	AAAGGCGATA	TGCTGCTGTG	CGGCTTCGAA	TATGGCCGTG	TGCGTGCAT	GCGTGATGAA
unknown_E602	AAAGGCGATA	TGCTGCTGTG	TGGTTCGAA	TACGGCCGCG	TGCGTGCAT	GCGTGATGAA
unknown_Ejp617	AAAGGCGATA	TGCTGCTGTG	TGGTTTTGAA	TACGGCCGCG	TGCGTGCAT	GCGTGACGAG
unknown_QL-Z3	AAAGGCGATA	TGCTTCTGTG	CGGCTTCGAG	TATGGCCGTG	TGCGTGCAT	GCGTGACGAA

9961

ecoli_K12	CTGGGTCAGG	AAGTGCTGGA	AGCGGGTCCG	TCCATTCCGG	TGGAAATCCT	CGGCCTGTCC
C_E_dadicola	CGGGGCGGTG	AAGTGATGAC	TGCGGGTCCA	TCTATCCC	TTGAGATCCT	CGGCCTGTCC
C_E_haradaeae	CTGGGTTGCG	AGGTTTAAAC	AGCAGGGCCA	TCAATTCCCG	TTGCAATTCT	CGGTATGTCT
E_amylovora	CTGGGCGCG	AAGTACTGAC	TGCGGGTCCA	TCTATCCC	TTGAGATCCT	CGGCATGTCC
E_aphidicola	CTGGGCGCG	AAGTGATGAC	TGCGGGTCCA	TCTATCCC	TTGAGATCCT	CGGCCTGTCC
E_billingiae	TTGGGTCGCG	AAGTGACTGA	AGCTGGTCC	TGATTCCTG	TTGAGATCCT	TGGCCTGTCA
E_endophytica	CTGGGACATG	AAGTGCTGCA	AGCGGGCCCT	TCAATTCCGG	TGGAAATCCT	CGGTCTGTCA
E_iniecta	TTAGGTCGCG	AAGTGACCGA	AGCGGGCCCG	TCAATTCCGG	TTGAGATCCT	GGGTCTGTCA
E_mallotivora	CTGGGGCGTG	AAGTGCTGGA	AGCTGGCCCG	TCAATTCCGG	TGGAAATCCT	CGGCCTGTCA
E_oleae	CTGGGACGTG	AAGTTCTGGA	AGCGGTCCG	TGATCCCCG	TTGAGATCCT	GGGCCTTTCA
E_persicina	ATGGGCGGTG	AAGTGATGAC	TGCGGGTCC	TCTATTCCGG	TTGAGATCCT	CGGCCTGTCC
E_phyllosphaerae	CTGGGACGCG	AAGTGCTGAC	CGCTGGTCC	TCTATTCCGG	TTGAGATCCT	GGGTCTGTCA
E_piriflorinigrans	CTGGGCGCG	AAGTCTTGAC	GGCTGGCCCA	TCTATCCC	TTGAAATCCT	CGGTCTGTCC
E_psidii	CTGGGACGTG	AAGTTTATGA	AGCAGGTCC	TCTATTCC	TGAAATCCT	TGGTTTATCA
E_pyrifoliae	CTGGGTCGCG	AAGTGCTGAC	TGCGGGCCCA	TGATCCCCG	TTGAGATCCT	CGGTATGTCT
E_rhapontici	TTGGGCGCG	AAGTACTGAC	TGCAAGCCCA	TCTATCCC	TTGAGATCCT	TGGCATGTCC
E_tasmaniensis	CTGGGCGCG	AAGTGCTGAC	TGCTGGCCCA	TCTATCCC	TTGAAATCCT	CGGCATGTCC
E_tracheiphila	TTGGGGCGTG	AAGTGCTTGA	AGCTGGCCCT	TGATTCCTG	TGGAAATCCT	TGGGTTGTCC
E_typographi	CAGGGTCGTG	AAGTGATGGA	AGCGGGTCC	TGATCCCC	TGGAAATCCT	TGGCCTGTCC
P_agglomerans	CTGGGTCGCG	AAGTCAATGGA	AGCGGGTCCA	TCTATCCC	TTGAGATCCT	GGGCCTGTCC
P_beijingensis	TTAGGCGGTG	AAGTTCTGAC	GGCAGGTCCA	TCCATTCCGG	TTGAGATCCT	TGGCCTGTCT
P_dispersa	CTGGGTCGCG	AAGTGCTGGA	AGCGGGTCCA	TGATTCCCG	TGGAAATCCT	CGGTCTGTCC
P_eucalypti	CTGGGTCGCG	AAGTCAATGGA	AGCGGGTCCG	TCTATCCC	TTGAGATCCT	GGGCCTGTCC
E_sorbitola	CTGGGTCGCG	AAGTACTGAC	CGCTGGCCCT	TCTATCCC	TTGAGATCCT	CGGCCTGTCC
E_toletana	TTAGGTCGCG	AAGTGACCGA	AGCTGGCCCG	TCAATCCC	TTGAGATCCT	GGGTCTGTCA
unknown_DE2	TTAGGCGGTG	AAGTGATGGA	AGCGGGTCC	TCTATTCC	TGGAAATCCT	GGGTCTGTCA
unknown_E602	CTGGGTCGTG	AAGTTATGAC	CGCGGTCCA	TCTATCCC	TTGAGATCCT	TGGCCTGTCC
unknown_Ejp617	CTGGGTCGTG	AAGTGCTGAC	AGCGGGCCA	TCTATCCC	TTGAGATCCT	CGGCCTGTCC
unknown_QL-Z3	TTGGGTCGCG	AAGTGACTGA	AGCTGGTCC	TGATTCCTG	TTGAGATCCT	TGGCCTGTCA

10021

ecoli_K12	GGCGTACCGG	CTGCGGGTGA	TGAAGTTACC	GTGTGACGTG	ACGAGAAGAA	AGCGCGTGAA
C_E_dadicola	GGTGTTCAG	CAGCGGGCGA	TGAAGCGACT	GTGGTACGTG	ATGAGAAGAA	AGCTCGTGAA
C_E_haradaeae	GGTGTTCAG	TAGCGGGGAG	TATAGCTACG	GTGGTTCGTG	ATGAAAAGAA	AGCTCGTGAA
E_amylovora	GGCGTACCGG	CGGCGGGTGA	TGAAGCCACC	GTGGTGCGTG	ACGAGAAGAA	AGCGCGTGAA
E_aphidicola	GGTGTTCGGG	CAGCGGGCGA	TGAAGCGACC	GTGGTACGTG	ACGAGAAGAA	AGCCCGTGAA
E_billingiae	GGTGTTCCTG	CGGCGGGTGA	TGAAGCAACG	GTGTGTCGTG	ACGAGAAGAA	AGCCCGTGAA
E_endophytica	GGTGTGCCAG	CGGCGGGTGA	TGAAGCGACG	GTGTGTCGTG	ACGAGAAGAA	AGCGCGTGAA
E_iniecta	GGTGTTCGGG	CAGCAGGTGA	TGAAGCGACC	GTAGTACGTG	ACGAGAAGAA	AGCACGTGAA
E_mallotivora	GGCGTTCCTG	CTGCGGGTGA	TGAAGCGACA	GTGGTGCGTG	ACGAGAAAAA	AGCCCGTGAA
E_oleae	GGTGTGCCGTG	CGGCGGGTGA	CGAAGCAACC	GTGTGTCGTG	ACGAGAAGAA	AGCGCGTGAA
E_persicina	GGTGTGCCGG	CAGCGGGTGA	TGAAGCGACC	GTGTGACGTG	ACGAGAAGAA	AGCGCGTGAA
E_phyllosphaerae	GGCGTGCCTG	CTGCGGGTGA	CGAAGCGACC	GTGGTACGTG	ACGAGAAGAA	AGCGCGTGAA
E_piriflorinigrans	GGCGTTCGGG	CTGCGGGTGA	TGAAGCAACC	GTGGTCCGCG	ATGAGAAGAA	AGCGCGTGAA
E_psidii	GGCGTTCCTG	CTGCTGGTGA	TGAAGCAACA	GTGGTGCGTG	ATGAGAAAAA	AGCGCGTGAA
E_pyrifoliae	GGTGTACCGG	CTGCGGGTGA	TGAAGCCACC	GTGGTGCGTG	ACGAGAAGAA	AGCGCGTGAA
E_rhapontici	GGTGTGCCGG	CAGCGGGTGA	TGAAGCGACC	GTGTTACGTG	ACGAGAAGAA	AGCACGTGAA
E_tasmaniensis	GGCGTTCGGG	CAGCGGGTGA	TGAAGCAACC	GTGGTACGCG	ATGAGAAGAA	AGCGCGTGAA
E_tracheiphila	GGCGTGCCTG	CTGCGGGTGA	TGAAGCGACG	GTGTGTCGTG	ATGAGAAGAA	AGCACGTGAA
E_typographi	GGCGTTCGGG	CTGCGGGCGA	TGAAGCTACC	GTGGTGCGTG	ACGAGAAGAA	AGCCCGTGAA
P_agglomerans	GGCGTGCCTG	CTGCGGGTGA	TGAAGCGACC	GTGGTACGTG	ACGAGAAGAA	AGCACGTGAA
P_beijingensis	GGTGTGCCGTG	CTGCGGGTGA	CGAAGCGACC	GTAGTCCGTG	ATGAGAAGAA	AGCGCGTGAA
P_dispersa	GGTGTGCCGG	CAGCGGGTGA	CGAAGCGACC	GTGGTGCGTG	ACGAGAAGAA	AGCGCGTGAA
P_eucalypti	GGTGTGCCGG	CTGCGGGTGA	TGAAGCGACT	GTGGTACGTG	ACGAGAAGAA	AGCACGTGAA
E_sorbitola	GGTGTGCCGG	CAGCGGGTGA	TGAAGCGACC	GTGGTACGTG	ACGAGAAGAA	AGCGCGTGAA
E_toletana	GGTGTTCGGG	CGGCAAGTGA	TGAAGCAACT	GTGGTGCGTG	ACGAGAAGAA	AGCACGTGAA
unknown_DE2	GGCGTGCCTG	CAGCGGGTGA	TGAAGCGACC	GTAGTGCGTG	ACGAGAAGAA	AGCCCGTGAA
unknown_E602	GGCGTGCCTG	CAGCGGGTGA	TGAAGCAACC	GTGGTGCGTG	ACGAGAAGAA	AGCGCGTGAA
unknown_Ejp617	GGCGTACCGG	CGGCGGGTGA	TGAAGCCACC	GTGGTGCGTG	ACGAGAAGAA	AGCGCGTGAA
unknown_QL-Z3	GGTGTTCCTG	CGGCGGGTGA	TGAAGCAACG	GTGTGTCGTG	ACGAGAAGAA	AGCCCGTGAA

	10081						
ecoli_K12		GTTGCACTCT	ATCGTCAGGG	TAAATTCCGG	GAAGTTAAAC	TGGCGCGTCA	GCAGAAATCT
C_E_dadicola		GTTGCGCTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCACGTCA	GCAGAAATCT
C_E_haradaeae		GTGGCGTTAT	ATCGTCAGGG	TAAATTTTCA	GAAATAAAAT	TAGCTCGCCA	GCAAAAAGCT
E_amylovora		GTGGCGCTGT	ACCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCT
E_aphidicola		GTTGCGCTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCT
E_billingiae		GTTGCACTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCTCGTCA	GCAGAAATCT
E_endophytica		GTTGCACTGT	ATCGTCAGGG	TAAATTCGGT	GAAGTTAAGC	TGGCTCGTCA	GCAGAAATCT
E_iniecta		GTTGCGCTGT	ATCGTCAGGG	CAAAITCCGC	GAAGTGAAGC	TGGCTCGCCA	GCAGAAATCT
E_mallotivora		GTGGCGTTGT	ATCGTCAGGG	TAAATTCGGT	GAAGTTAAAC	TGGCGCGTCA	GCAGAAATCC
E_oleae		GTGGCACTGT	ATCGTCAGGG	CAAAITCCGC	GAAGTTAAAC	TGGCGCGTCA	GCAGAAATCT
E_persicina		GTGGCACTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCACGTCA	GCAGAAATCT
E_phyllosphaerae		GTTGCGCTCT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCT
E_piriflorinigrans		GTTGCACTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCC
E_psidii		GTGGCTCTCT	ATCGCCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCACGTCA	GCAGAAATCC
E_pyrifoliae		GTGGCGCTGT	ATCGTCAGGG	TAAATTCGGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCT
E_rhapontici		GTAGCACTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCTCGTCA	GCAGAAATCT
E_tasmaniensis		GTTGCGCTGT	ATCGCCAGGG	TAAATTCGGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCC
E_tracheiphila		GTTGCGCTGT	ATCGTCAGGG	TAAATTCGGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCC
E_typographi		GTTGCGCTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCTCGTCA	GCAGAAATCT
P_agglomerans		GTTGCGCTCT	ATCGTCAGGG	CAAAITCCGC	GAAGTTAAAC	TGGCTCGCCA	GCAGAAATCT
P_beijingensis		GTTGCTCTCT	ACCGTCAGGG	CAAAITCCGC	GAAGTTAAGC	TGGCGCGTCA	GCAGAAGTCC
P_dispersa		GTGGCGCTGT	ATCGTCAGGG	CAAAITCCGC	GAAGTCAAAC	TGGCGCGTCA	GCAGAAGTCC
P_eucalypti		GTTGCACTCT	ATCGTCAGGG	CAAAITCCGC	GAAGTTAAAC	TGGCTCGCCA	GCAGAAATCT
E_sorbitola		GTTGCACTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCTCGTCA	GCAGAAATCT
E_toletana		GTTGCGCTGT	ATCGTCAGGG	CAAAITCCGC	GAAGTTAAAC	TGGCTCGCCA	GCAGAAATCT
unknown_DE2		GTGGCGCTCT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCC
unknown_E602		GTGGCGCTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCC
unknown_Ejp617		GTGGCGCTGT	ACCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCGCGTCA	GCAGAAATCT
unknown_QL-Z3		GTTGCACTGT	ATCGTCAGGG	CAAAITCCGT	GAAGTTAAGC	TGGCTCGTCA	GCAGAAATCT

	10141						
ecoli_K12	AAACTCGAGA	ACATGTTTCG	CAACATGACC	GAAGGCGAAG	TTTACGAAGT	GAATATCGTC	
C_E_dadicola	AAGCTGGAAA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TTTCCGAGCT	GAACATCGTG	
C_E_haradaeae	AAATTAGAAA	AAATGTTTTTC	TAGTATTAAA	GAAGGTGAGA	TATCTGAAAT	GAACATTGTG	
E_amylovora	AAGCTGGAGA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TTTCTGAGCT	GAACATCGTG	
E_aphidicola	AAGCTGGAAA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TTTCCGAGCT	GAACATCGTG	
E_billingiae	AAACTGGAGA	ACATGTTTGC	GAACATGACC	GAAGGTGAAG	TATCTGAACT	GAACATCGTG	
E_endophytica	AAGCTGGAAA	ACATGTTTCG	GAACATGACC	GAAGGCGAAG	TTTCCGAATT	GAACATCGTG	
E_iniecta	AAGCTGGAAA	ACATGTTTGC	CAACATGACC	GAAGGCGAAG	TGTCCGAGCT	GAACATCGTG	
E_mallotivora	AAGTTGGAAA	ACATGTTTGC	CAACATGGCT	GAAGGCGAAG	TTTCTGAACT	TAACATCGTG	
E_oleae	AAGCTGGAGA	ACATGTTTGC	GAACATGACC	GAAGGCGAAG	TTTCCGAACT	GAATATCGTG	
E_persicina	AAGCTGGAGA	ACATGTTTGC	GAACATGACT	GAAGGCGAAG	TTTCTGAGCT	GAACATCGTG	
E_phyllosphaerae	AAACTCGAGA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TTTCTGAGCT	GAACATCGTG	
E_piriflorinigrans	AAGCTGGAGA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TCTCTGAACT	GAACATCGTC	
E_psidii	AAGCTTGAGA	ACATGTTTCG	TAACATGACG	GAAGGCGAAG	TCTCTGAGCT	GAATATCGTG	
E_pyrifoliae	AAGCTGGAGA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TTTCTGAACT	GAACATCGTG	
E_rhapontici	AAGCTGGAAA	ACATGTTTGC	GAACATGACC	GAAGGCGAAG	TGTCTGAACT	GAACATCGTG	
E_tasmaniensis	AAGCTGGAGA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TGTCTGAACT	GAACATCGTG	
E_tracheiphila	AAGCTGGAGA	ATATGTTTCG	TAACATGACA	GAAGGTGAAG	TCTCTGAGCT	TAATATTGTG	
E_typographi	AAGCTGGAAA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TGTCTGAGCT	GAACATCGTG	
P_agglomerans	AAGCTCGAGA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TGTCTGAACT	GAACATCGTT	
P_beijingensis	AAGTTGGAGA	ATATGTTTCG	CAACATGACT	GAAGGCGAAG	TGTCCGAGCT	GAACATCGTA	
P_dispersa	AAGCTGGAAA	ACATGTTTGC	CAACATGACC	GAAGGCGAAG	TGTCCGAGCT	GAACATCGTC	
P_eucalypti	AAGCTCGAGA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TATCTGAACT	GAACATCGTT	
E_sorbitola	AAACTGGAAA	ACATGTTTGC	GAACATGACC	GAAGGCGAAG	TTTCTGAACT	GAACATCGTG	
E_toletana	AAGCTGGAAA	ACATGTTTCG	CAATATGACC	GAAGGCGAAG	TGTCCGAGCT	GAACATCGTG	
unknown_DE2	AAGCTGGAAA	ACATGTTTGC	CAACATGACC	GAAGGCGAAG	TTTCCGAGCT	GAACATCGTG	
unknown_E602	AAGCTGGAAA	ACATGTTTGC	GAACATGACC	GAAGGCGAAG	TATCTGAACT	GAACATCGTG	
unknown_Ejp617	AAGCTGGAGA	ACATGTTTGC	TAACATGACC	GAAGGCGAAG	TTTCTGAACT	GAACATCGTG	
unknown_QL-Z3	AAACTGGAGA	ACATGTTTGC	GAACATGACC	GAAGGTGAAG	TTTCCGAACT	GAACATCGTG	

	10201					
ecoli_K12	CTGAAGGCAG	ACGTACAGGG	TTCTGTCGAA	GCGATCTCCG	ACTCCTTGCT	GAAACTCTCT
C_E_dacicola	CTGAAAGCTG	ACGTACAGGG	TTCTGTCGAA	GCGATCTCCG	AATCGCTGAT	GAAGCTTTCT
C_E_haradaeae	TTAAAAAGTG	ATGTTCAAGG	CTCAGTAGAA	GCTATTTTCAG	ATGCACATAA	TACTTTATCC
E_amylovora	CTGAAAGCTG	ACGTACAGGG	TTCTGTCGAA	GCTATCTCTG	ACTCACTGAT	GAAGCTCTCT
E_aphidicola	CTGAAAGCTG	ACGTACAGGG	TTCTGTCGAA	GCGATCTCCG	AGTCCCTGAT	GAAGCTTTCT
E_billingiae	CTGAAAGCTG	ACGTTCAGGG	TTCTGTCGAA	GCTATCTCCG	ACTCGCTGCT	GAAGCTGTCC
E_endophytica	CTGAAAGCTG	ACGTTCAGGG	TTCAAGCCGAA	GCGATTTCTG	ACTCTCTGAT	GAAGTTCTCC
E_iniecta	CTGAAAGCCG	ACGTACAGGG	TTCTGTCGAA	GCGATTGCCG	ATTCAGTGCT	GAAACTCTCC
E_mallotivora	CTGAAAGCTG	ATGTTCAAGG	CTCTGTTGAG	GCTATCTCTG	ACTCGCTGTT	GAAGCTTTCT
E_oleae	ATGAAAGCAG	ACGTTCAGGG	TTCAAGTTGAA	GCTATCTCTG	ACTCTCTCCA	GAAACTCTCC
E_persicina	CTGAAAGCTG	ACGTACAGGG	TTCTGTCGAA	GCTATCTCCG	AGTCACTGCT	GAAGCTTTCT
E_phyllosphaerae	CTGAAAGCTG	ACGTCCAGGG	TTCTGTCGAA	GCTATCGCTG	ACTCACTGAT	GAAGCTGTCT
E_piriflorinigrans	CTGAAAGCTG	ACGTTCAGGG	CTCTGTCGAA	GCGATCTCCG	ACTCTCTGAT	GAAACTTTCT
E_psidii	CTGAAAGCTG	ACGTTCAGGG	TTCTGTCGAA	GCCATCTCTG	ATTCGCTGCT	TAAACTCTCT
E_pyrifoliae	CTGAAAGCTG	ACGTACAGGG	TTCTGTCGAA	GCCATTTCCG	ACTCACTGAT	GAAACTTTCT
E_rhapontici	CTGAAAGCTG	ACGTACAGGG	TTCTGTTGAA	GCTATCTCCG	AATCCCTGAT	GAAGCTCTCT
E_tasmaniensis	CTGAAAGCTG	ACGTTCAGGG	TTCTGTCGAA	GCGATCTCCG	ACTCTCTGCT	GAAACTTTCT
E_tracheiphila	CTTAAGGCTG	ACGTTCAGGG	ATCTGTCGAA	GCTATTTCTG	ATTCCTCTGCT	TAAACTGTCC
E_typographi	CTGAAAGCGG	ACGTTCAGGG	TTCTGTTGAA	GCGATCTCCG	ACTCGCTGAT	GAAGCTGTCC
P_agglomerans	CTGAAAGCTG	ACGTTCAGGG	TTCTGTGGAA	GCAATCTCCG	ACTCCCTGCA	GAAACTCTCC
P_beijingensis	CTGAAAGCCG	ATGTACAGGG	TTCTGTCGAA	GCGATTTCCG	ATTCAGTGCA	GAAGCTCTCC
P_dispersa	CTGAAAGCTG	ACGTACAGGG	TTCTGTGGAA	GCGATCTCCG	ACTCACTGCT	GAAACTCTCC
P_eucalypti	CTGAAAGCTG	ACGTTCAGGG	TTCTGTGGAA	GCCATCTCTG	ATTCCTCTGCA	GAAACTCTCC
E_sorbitola	CTGAAAGCTG	ACGTACAGGG	TTCTGTTGAA	GCTATCACCG	AATCCCTGCT	GAAACTGTCT
E_toletana	CTGAAAGCCG	ACGTACAGGG	TTCTGTCGAA	GCGATTTCCG	ACTCGTTGCT	GAAACTCTCC
unknown_DE2	CTGAAAGCGG	ACGTTCAGGG	TTCTGTCGAA	GCGATTTCCG	ACTCTCTGCA	GAAACTCTCG
unknown_E602	CTGAAAGCGG	ACGTTCAGGG	TTCTGTCGAA	GCGATCTCCG	ACTCACTGCT	GAAGCTGTCT
unknown_Ejp617	CTGAAAGCTG	ACGTACAGGG	TTCTGTCGAA	GCCATTTCCG	ACTCACTGAT	GAAACTCTCT
unknown_QL-Z3	CTGAAAGCTG	ACGTTCAGGG	TTCTGTCGAA	GCTATCTCCG	ACTCGCTGCT	GAAGCTGTCC

	10261					
ecoli_K12	ACTGACGAAG	TTAAAGTGAA	GATCATCGGT	TCTGGCGTAG	GTGGTATCAC	CGAAACCGAC
C_E_dacicola	ACTGATGAAG	TGAAAGTGAA	AATCATTTGGT	TCCGGCGTAG	GCGGTATCAC	TGAAACCGAT
C_E_haradaeae	ACCTCAGAAG	TTCAAGTTAA	AATTATTGGT	TCAGGTGTGG	GTGGGAATTAC	AGAAACTGAT
E_amylovora	ACTGATGAAG	TGAAAGTGAA	AATCGTTGGA	TCTGGCGTGG	GCGGTATCAC	CGAAACTGAT
E_aphidicola	ACTGATGAAG	TGAAAGTGAA	AATCATCGGT	TCTGGCGTGG	GCGGTATCAC	TGAAACCGAC
E_billingiae	ACTGATGAAG	TGAAAGTGAA	AATCGTTGGT	TCAGGCGTAG	GTGGTATCAC	CGAAACTGAC
E_endophytica	ACCGATGAAG	TGAAAGTCAA	AATTTGTCGGT	TCCGGCGTGG	GGGGGATCAC	AGAAACCGAC
E_iniecta	ACCGACGAAG	TGAAGGTGAA	GATTGTGGGT	TCCGGCGTAG	GTGGTATCAC	CGAAACCGAC
E_mallotivora	ACCGACGAAG	TGAAAGTCAA	AATTGTGGGT	TCCGGCGTGG	GTGGGATCAC	CGAGACTGAT
E_oleae	ACGGAAGAAG	TTAAAGTTAA	AATCGTCGGC	TCCGGCGTGG	GTGGATATCAC	CGAAACCGAT
E_persicina	ACTGATGAAG	TGAAAGTGAA	AATCATCGGT	TCCGGCGTAG	GTGGTATCAC	TGAAACCGAC
E_phyllosphaerae	ACCGACGAAG	TGAAGGTGAA	GATTGTAGGT	TCTGGCGTAG	GTGGTATCAC	CGAAACCGAC
E_piriflorinigrans	ACTGATGAAG	TGAAAGTGAA	AATCGTTGGC	TCTGGCGTGG	GTGGTATCAC	TGAAACTGAT
E_psidii	ACTGACGAAG	TGAAAGTTAA	AATCGTTGGT	TCCGGTGTGG	GTGGTATCAC	TGAAACTGAC
E_pyrifoliae	ACCGATGAAG	TGAAAGTGAA	AATCGTTGGT	TCTGGCGTGG	GTGGTATCAC	CGAAACTGAC
E_rhapontici	ACTGATGAAG	TGAAAGTGAA	AATCATCGGT	TCTGGTGTGG	GTGGTATTAC	TGAAACCGAC
E_tasmaniensis	ACTGATGAAG	TGAAAGTGAA	AATCGTTGGC	TCCGGCGTGG	GCGGTATCAC	TGAAACTGAT
E_tracheiphila	ACTGATGAAG	TGAAAGTCAA	AATCGTCGGT	TCCGGCGTCG	GTGGTATTAC	CGAAACTGAC
E_typographi	ACCGACGAAG	TGAAAGTCAA	AATCGTTGGT	TCCGGCGTGG	GCGGTATCAC	CGAAACCGAC
P_agglomerans	ACCGACGAAG	TGAAGGTGAA	GATTGTGGGT	TCAGGCGTGG	GCGGGATTAC	CGAAACCGAT
P_beijingensis	ACCGACGAAG	TGAAGGTGAA	GATTGTGGGT	TCTGGCGTAG	GTGGGATCAC	CGAAACCGAC
P_dispersa	ACCGACGAAG	TGAAGGTGAA	GATTATCGGT	TCTGGCGTGG	GCGGTATTAC	CGAAACCGAC
P_eucalypti	ACCGATGAAG	TGAAGGTGAA	GATTGTGGGT	TCAGGCGTCG	GCGGGATTAC	CGAAACCGAT
E_sorbitola	ACTGATGAAG	TGAAAGTGAA	AATCATCGGT	TCTGGTGTGG	GCGGTATCAC	TGAGACCGAC
E_toletana	ACCGACGAAG	TGAAAGTGAA	GATTGTGGGT	TCCGGCGTAG	GTGGTATCAC	CGAAACCGAC
unknown_DE2	ACTGACGAAG	TTAAAGTCAA	AATCGTTGGT	TCCGGTGTAG	GTGGGAATTAC	CGAGACCGAT
unknown_E602	ACTGATGAAG	TGAAAGTGAA	AATCATCGGT	TCCGGCGTCG	GTGGGATCAC	CGAAACCGAT
unknown_Ejp617	ACTGATGAAG	TGAAAGTGAA	AATCGTTGGT	TCTGGCGTGG	GTGGTATCAC	CGAAACTGAC
unknown_QL-Z3	ACTGATGAAG	TGAAAGTGAA	AATCGTTGGT	TCAGGCGTAG	GTGGTATCAC	CGAAACTGAC

10321

ecoli_K12	GCCACCGTGG	CTGGGGCTTC	CAACGCCATC	CTGGTTGGCT	TTAACGTACG	TGCTGATGCC
C_E_dadicola	GCCACTCTGG	CCGCTGCGTC	TAAACGCAATC	TTGGTTGGCT	TCAACGTCCG	TGCTGATGCT
C_E_haradaeae	GCTACTTTGG	CTGCAGCGTC	TAAATGCGATT	GTGATTGGTT	TTAATGTGCG	CGCTGATGCA
E_amylovora	GCCACCGTGG	CCGCTGCGTC	TAAACGCCATT	CTGGTTGGCT	TCAACGTGCG	TGCCGATGCA
E_aphidicola	GCCACTCTGG	CCGCTGCGTC	TAAACGCAATC	CTGGTTGGCT	TCAACGTTTCG	TGCCGATGCT
E_billingiae	GCCACGOTGG	CCGGGGCTTC	TAAACGCTATC	CTGCTGGGCT	TCAACGTGCG	TGCCGATGCT
E_endophytica	GCAACGOTGG	CTGGGGCTTC	TAAACGCCATT	TTGGTTGGTT	TCAATGTGCG	TGCCGATGCT
E_iniecta	GCGACCGTGG	CAGCTAGCGTC	CAACGCGATT	CTGGTTGGCT	TCAACGTCCG	TGCTGATGCC
E_mallotivora	GCCACTCTGG	CGGCGGCATC	CAATGCAATC	CTCGTTGGAT	TCAACGTACG	TGCTGATGCG
E_oleae	GCCACGOTGG	CTGGGGCTTC	AAACGCTATC	CTTATCGGCT	TCAACGTACG	TGCTGATGCT
E_persicina	GCGACGCTGG	CTGCAGCTTC	TAAACGCCATC	CTGGTAGGCT	TCAACGTACG	TGCTGATGCT
E_phyllosphaerae	GCTACGOTGG	CTGGGGCTTC	CAACGCCATC	CTGGTTGGCT	TCAACGTTTCG	TGCTGACGCT
E_piriflorinigrans	GCGACTCTGG	CCGCTAGCGTC	CAACGCGATT	CTGGTTGGCT	TCAACGTGCG	TGCCGATGCC
E_psidii	GCCACACTTG	CCGCTGCGATC	AAACGCAATT	CTGGTTGGCT	TCAACGTTTCG	TGCTGATGCT
E_pyrifoliae	GCCACCGTGG	CCGCAGCGTC	TAAACGCAATC	CTGGTTGGCT	TCAACGTGCG	CGCCGATGCA
E_rhapontici	GCCACACTGG	CAGCAGCGTC	TAAACGCAATC	CTGGTGGGCT	TCAACGTTTCG	TGCCGATGCA
E_tasmaniensis	GCGACCGTGG	CCGCAGCGTC	TAAACGCTATC	CTGGTGGGCT	TCAACGTGCG	TGCCGATGCA
E_tracheiphila	GCTACCGTGG	CTGGGGCTTC	AAACGCAATT	TTGGTGGGCT	TTAACGTTTCG	TGCCGATGCT
E_typographi	GCAACCGTGG	CGGCGGGCTTC	CAATGCGATT	CTGGTTGGCT	TCAACGTTTCG	TGCCGATGCT
P_agglomerans	GCGACCGTGG	CTGCTGCCCTC	TAAACGCCATC	CTCCTTGGCT	TCAACGTTTCG	TGCCGATGCC
P_beijingensis	GCCACACTGG	CTGCAGCATC	CAACGCGATC	ATCCTGGGCT	TTAACGTTTCG	TGCCGATGCC
P_dispersa	GCCACCGTGG	CCGCTGCGTC	CAACGCAATC	ATCCTGGGCT	TCAACGTGCG	TGCTGATGCC
P_eucalypti	GCGACCGTGG	CCGCTAGCTTC	TAAACGCCATT	CTGCTTGGCT	TCAACGTTTCG	TGCCGATGCC
E_sorbitola	GCCACCGTGG	CAGCAGCTTC	AAACGCCATC	CTGGTTGGCT	TCAACGTTTCG	TGCCGATGCT
E_toletana	GCGACTCTGG	CTGCTGCGTC	TAAACGCAATC	CTGGTTGGCT	TTAACGTTTCG	TGCTGATGCC
unknown_DE2	GCCACGOTGG	CAGCTGCGTC	CAACGCTATC	CTGATTGGCT	TCAACGTTTCG	TGCCGATGCT
unknown_E602	GCCACGOTGG	CTGCCGCGTC	TAAACGCGATC	CTGGTGGGCT	TCAACGTCCG	TGCTGATGCC
unknown_Ejp617	GCCACCGTGG	CCGCTAGCGTC	TAAACGCAATC	CTGGTTGGCT	TCAACGTGCG	CGCCGATGCA
unknown_QL-Z3	GCCACGCTGG	CCGCGGGCTTC	TAAACGCTATC	CTGCTGGGCT	TCAACGTGCG	TGCCGATGCT

10381

ecoli_K12	TCTGCACGTA	AAGTGATTGA	AGCGGAAAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
C_E_dadicola	TCTGCGCGCC	GCGTAATTGA	TCTTGAAAGC	CTAGATCTGC	GTTACTACTC	CGTTATCTAT
C_E_haradaeae	TCAGCGCGGA	GAATAGTAGA	TGTAGAAAAAT	ATAGACCTCC	GTTATTACTC	AATAATATAT
E_amylovora	TCAGCGCGCC	GCGTGATTGA	TACTGAAAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_aphidicola	TCTGCGCGCC	GCGTGATTGA	TCTTGAAAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_billingiae	TCTGCTCGCC	GCGTAGTGA	TACCGAAAGT	CTGGATCTGC	GTTACTACTC	CGTGATCTAT
E_endophytica	TCTGCCCGTC	GAGTGATTGA	TTCCGAAAAC	CTGGATCTGC	GTTATTACTC	GGTCATCTAT
E_iniecta	TCTGCGCGCC	GCGTGATTGA	TCTTGAAAGT	CTGGATCTGC	GTTACTACTC	CGTGATCTAT
E_mallotivora	TCTGCCCGTC	GTTTGATTGA	TTCAGAGAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_oleae	TCTGCCCGTC	GCGTCATTGA	CGCTGAAAGC	CTGGATCTGC	GCTACTACTC	CGTCATCTAT
E_persicina	TCAGCGCGCC	GCGTGATCGA	CTCAGAAAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_phyllosphaerae	TCTGCGCGCC	GCGTGATCGA	TTCAGAAAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_piriflorinigrans	TCTGCGCGCC	GCGTCATTGA	TACCGAGAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_psidii	TCTGCACGTC	GCGTCATTGA	TTCAGAAAGC	CTGGACCTGC	GTTACTACTC	CGTCATCTAT
E_pyrifoliae	TCGGCAGGTC	GCGTGATTGA	TACTGAAAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_rhapontici	TCTGCGCGCC	GCGTGATTGA	TTCCGAAAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_tasmaniensis	TCTGCGCGCC	GCGTGATCGA	TACAGAAAGC	TTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_tracheiphila	TCTGCACGTC	GTTTCATAGA	TTCTGAGAGC	CTGGATTTAC	GCTACTATTTC	CGTAATCTAT
E_typographi	TCTGCCCGTC	GCGTGATTGA	TTCCGAAAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
P_agglomerans	TCTGCGCGTC	GCGTCATTGA	CGCAGAAAGC	CTGGATCTGC	GCTACTACTC	TGTCATCTAT
P_beijingensis	TCTGCGCGTC	GCGTTATCGA	TGCTGAAAGT	CTGGATCTGC	GTTACTACTC	CGTTATCTAT
P_dispersa	TCTGCGCGTC	GCGTGATTGA	CGCTGAAAAC	GTTGACCTGC	GCTACTACTC	CGTCATCTAT
P_eucalypti	TCTGCGCGTC	GCGTCATTGA	CGCAGAAAGC	CTGGATCTGC	GCTACTACTC	TGTCATCTAT
E_sorbitola	TCTGCGCGTC	GCGTAATTGA	TGCTGAAAGC	CTGGATCTGC	GTTACTACTC	CGTCATCTAT
E_toletana	TCTGCGCGCC	GCGTGATCGA	TCTTGAAAGT	CTGGATCTGC	GTTACTACTC	CGTAATCTAT
unknown_DE2	TCTGCTCGCC	GCGTAGTGA	TTCTGAGAGC	CTGGATCTGC	GTTACTACTC	CATCATCTAT
unknown_E602	TCTGCGCGTC	GCGTCATCGA	TTCAGAAAGC	CTGGATCTGC	GTTACTACTC	CGTTATCTAT
unknown_Ejp617	TCCGCACGCC	GCGTGATTGA	TACTGAAAGC	CTGGATCTGC	GCTATTACTC	CGTCATCTAT
unknown_QL-Z3	TCTGCTCGCC	GCGTAGTGA	TACCGAAAGT	CTGGATCTGC	GTTACTACTC	CGTGATCTAT

10441

ecoli_K12	AACCTGATTG	ACGAAGTGAA	AGCGGCATG	AGCGGTATGC	TGTCCTCCGA	ACTGAAACAG
C_E_dacicola	AATCTGATTG	ACGAAGTGAA	AGCAGCGATG	AGCGGTATGC	TGGCACCTGA	GTACAAACAG
C_E_haradaeae	AATTTGATCG	ATGAAGTCAA	ATTAGCGATG	AGTGGAAATGT	TATCGCCTGA	GTATAAACAG
E_amylovora	AATCTGATTG	ACGAAGTGAA	AGCGGCATG	AGCGGCATGC	TGGCACCTGA	GTACAAACAG
E_aphidicola	AATCTGATTG	ACGAAGTGAA	AGCAGCGATG	AGCGGTATGC	TGGCACCTGA	GTACAAACAG
E_billingiae	AATCTGATCG	ACGAAGTTAA	GCAGGCGATG	AGCGGTATGC	TGGCGCCTGA	GTATAAGCAT
E_endophytica	AATCTGATTG	ATGAAGTTAA	GCAGGCGATG	AGCGGCATGC	TGGCGCCTGA	GTATAAGCAT
E_iniecta	AATCTGATCG	ACGAAGTGAA	ACAGGCGATG	AGCGGTATGC	TGGCGCCTGA	GTACAAACAG
E_mallotivora	AACCTGATAG	ACGAAGTTAA	GCAGGCAATG	AGCGGTATGC	TGGCACCAGA	GTACAAGCAG
E_oleae	AATCTGATTG	ATGAAGTGAA	ACAGGCGATG	AGCGGTATGC	TGGCGCCTGA	ATACAAACAG
E_persicina	AATCTGATTG	ACGAAGTGAA	AGCAGCGATG	AGCGGTATGC	TGGCACCAGA	GTACAAACAG
E_phyllosphaerae	AACCTGATTG	ACGAAGTGAA	GCAGGCGATG	AGCGGTATGC	TGTTCACCTGA	GTACAAGCAC
E_piriflorinigrans	AATCTGATTG	ACGAAGTGAA	AGCGGCATG	AGCGGCATGC	TGGCACCTGA	GTACAAGCAG
E_psidii	AACCTGATTG	ACGAAGTGAA	ACAGGCGATG	AGCGGTATGC	TGGCACCTGA	GTACAAGCAG
E_pyrifoliae	AATCTGATTG	ACGAAGTGAA	AGCGGCATG	AGCGGCATGC	TGGCACCTGA	GTACAAACAG
E_rhapontici	AATCTGATTG	ACGAAGTGAA	AGCAGCGATG	AGCGGCATGC	TGGCACCTGA	GTACAAACAG
E_tasmaniensis	AACCTGATTG	ACGAAGTAAA	AGCGGCGATG	AGCGGCATGC	TGGCACCTGA	GTACAAACAG
E_tracheiphila	AACCTGATTG	ATGAAGTGAA	GCAGGCGATG	AGCGGTATGC	TGCCCCCTGA	GTACAAACAG
E_typographi	AACCTGATCG	ACGAAGTGAA	GCAGGCGATG	AGCGGAATGC	TGACGCCCGGA	ATATCAGCAT
P_agglomerans	AACCTGATTG	ACGAAGTTAA	AGCGGCGATG	AGCGGCATGC	TGGCACCAGA	GTACAAACAG
P_beijingensis	AACCTGATTG	ACGAAGTGAA	GCAGGCGATG	AGCGGTATGC	TGGCGCCGGA	ATACAAACAG
P_dispersa	AACCTGATTG	ACGAAGTGAA	AGCAGCCATG	AGCGGCATGC	TGGCACCAGA	GTTCAAACAG
P_eucalypti	AACCTGATTG	ACGAAGTTAA	AGCGGCGATG	AGCGGTATGC	TGGCACCAGA	GTACAAACAG
E_sorbitola	AATCTGATTG	ACGAAGTTAA	AGCAGCGATG	AGCGGTATGC	TGGCACCAGA	GTACAAACAG
E_toletana	AATCTGATTG	ACGAAGTGAA	GCAGGCGATG	AGCGGTATGC	TGGCGCCTGA	GTACAAACAG
unknown_DE2	AATCTGATTG	ATGAAGTTAA	GCAGGCGATG	AGCGGTATGC	TGGCGCCTGA	GTACAAGCAT
unknown_E602	AATCTGATCG	ACGAAGTGAA	AGCGGCGATG	AGCGGTATGC	TGGCACCAGA	GTACAAACAG
unknown_Ejp617	AATCTGATTG	ACGAAGTGAA	AGCGGCGATG	AGCGGCATGC	TGGCACCAGA	GTACAAACAG
unknown_QL-Z3	AATCTGATCG	ACGAAGTTAA	GCAGGCGATG	AGCGGTATGC	TGGCGCCTGA	GTACAAGCAT

10501

ecoli_K12	CAGATTATCG	GTCTGGCCGA	AGTTCTGTGAC	GTGTTCAAAT	CGCCGAAATT	TGGTGCCATC
C_E_dacicola	CAGATCATCG	GTCTGGCTGC	CGTACGTGAC	GTGTTCAAAT	CGCCGAAATT	TGGTGCTATC
C_E_haradaeae	AAGATTATAG	GTTTGGCCAC	TGTTCTGTAAT	GTGTTTAAAT	CTCCCAAGTT	TAGTGCTATT
E_amylovora	CAGATCATTG	GTCTGGCTGC	GGTACGTGAC	GTGTTCAAAT	CACCGAAATT	TGGTGCTATC
E_aphidicola	CAGATCATTG	GTCTGGCTGC	GGTACGTGAT	GTGTTCAAAT	CACCGAAATT	TGGTGCTATC
E_billingiae	CAGATTACCG	GTCTGGCTGA	AGTTCGTGAC	GTGTTCAAAT	CACCTAAGTT	CGGCCTGTT
E_endophytica	CAGATCACTG	GCTTGGCTGA	AGTTCGTGAT	GTATTCAAAT	CACCGAAATT	TGGTGCTATT
E_iniecta	CAGATCATCG	GTCTGGCTGA	AGTACGTGAC	GTATTCAAAT	CACCGAAATT	TGGTGCTATC
E_mallotivora	CAGATTATTG	GCTTGGCTGA	GGTGGCGAT	GTGTTCAAAT	CACCGAAATT	TGGTGCTATC
E_oleae	CAGATTATTG	GCTTGGCTGA	AGTGGCGAT	GTCTTTTAAAT	CACCGAAGTT	CGGCCTTATT
E_persicina	CAGATCATCG	GTCTGGCAGC	GGTACGTGAC	GTGTTCAAAT	CACCGAAATT	CGGTGCCATC
E_phyllosphaerae	CAGATCACCG	GCTTGGCCGA	AGTTCGTGAC	GTGTTCAAAT	CACCGAAGTT	CGGCCTGTT
E_piriflorinigrans	CAGATCATTG	GTCTGGCTGC	GGTACGTGAC	GTGTTCAAAT	CACCGAAATT	TGGTGCTATC
E_psidii	CAGATAATCG	GTCTTGGCTGA	AGTACGTGAC	GTATTCAAAT	CACCTAAGTT	TGGTGCCATC
E_pyrifoliae	CAGATCATTG	GTCTGGCTGC	GGTACGTGAC	GTGTTCAAAT	CACCGAAATT	TGGTGCTATT
E_rhapontici	CAGATCATCG	GTCTGGCTGC	CGTACGTGAC	GTGTTCAAAT	CACCGAAATT	TGGAGCTATC
E_tasmaniensis	CAGATCATTG	GTCTGGCTGC	GGTACGTGAC	GTGTTCAAAT	CACCGAAATT	TGGTGCTATC
E_tracheiphila	CAAAATCATCG	GTTTGGCTGA	AGTTCGTGAC	GTATTCAAAT	CACCGAAGTT	CGGTGCTATT
E_typographi	CAGATCACCG	GTCTGGCTGA	AGTTCGTGAC	GTGTTCAAAT	CACCTAAGTT	CGGCCTTATC
P_agglomerans	CAGATCATCG	GTCTGGCTGC	GGTGGCGAT	GTGTTCAAAT	CACCGAAGTT	TGGCGCGATT
P_beijingensis	CAGATTATCG	GCTTGGCCGA	AGTGGCGAT	GTATTCAAAT	CACCAAAATT	TGGTGCTATC
P_dispersa	CAGATTATCG	GTCTGGCCGA	AGTCCGTGAC	GTGTTCAAGT	CACCGAAATT	TGGCGCGATT
P_eucalypti	CAGATCATTG	GTCTGGCTGC	GGTCCGCGAC	GTATTCAAAT	CACCGAAGTT	TGGCGCCATT
E_sorbitola	CAGATTATCG	GTCTGGCTGC	GGTACGTGAC	GTGTTCAAAT	CACCGAAATT	CGGTGCCATC
E_toletana	CAGATCATCG	GTCTGGCTGA	AGTACGTGAC	GTGTTCAAAT	CACCGAAATT	TGGTGCTATC
unknown_DE2	CAGATCACCG	GCTTGGCTGA	AGTTCGTGAC	GTGTTCAAAT	CACCTAAGTT	CGGCCTGTT
unknown_E602	CAGATTATCG	GTCTGGCTGC	GGTACGTGAC	GTGTTCAAAT	CACCGAAGTT	TGGTGCCATC
unknown_Ejp617	CAGATCATTG	GTCTGGCTGC	GGTACGTGAC	GTGTTCAAAT	CACCGAAATT	TGGTGCTATT
unknown_QL-Z3	CAGATTACCG	GTCTGGCTGA	AGTTCGTGAC	GTGTTCAAAT	CACCTAAGTT	CGGCCTGTT

	10561						
ecoli_K12	GCAGGCTGTA	TGGTTACCGA	AGGTGTGGTT	AAACGTCACA	ACCCGATCCG	CGTTCTGCGT	
C_E_dadicola	GCTGGTTGTA	TGGTGACTGA	AGGTAACATC	AAACGTCACA	ACCCAATCCG	CGTACTGCGT	
C_E_haradaeae	GGTGGTTGCA	TGGTGACTGA	AGGTATAATC	AAGCGTCATA	ATCCAATTCG	TGTTCTTGGT	
E_amylovora	GCCGGTTGTA	TGGTGACCGA	AGGCAACATT	AAACGTCATA	ACCCAATCCG	CGTACTGCGT	
E_aphidicola	GCCGGTTGTA	TGGTGACTGA	AGGTAACATC	AAACGTCACA	ACCCAATCCG	CGTACTGCGT	
E_billingiae	GCTGGCTGTA	TGGTGACTGA	AGGTAACATC	AAACGTCACA	ACCCAATCCG	CGTACTGCGT	
E_endophytica	GCAGGCTGTA	TGGTGACCGA	AGGTAACATA	AAACGTCACA	ACCCGATCCG	CGTACTGCGT	
E_iniecta	GCCGGTTGTA	TGGTCAACCGA	AGGTAACATC	AAGCGTCACA	ACCCGATCCG	TGTTCTTGGT	
E_mallotivora	GCCGGCTGTA	TGGTAAACGGA	AGGCAATATT	AAGCGTCATA	ACCCGATCCG	TGTTCTTGGC	
E_oleae	GCCGGCTGTA	TGGTGACCGA	AGGTAATATT	AAGCGTCACA	ATCCCATCCG	CGTGCTGCGC	
E_persicina	GCCGGTTGTA	TGGTGACCGA	AGGTAATATT	AAACGTCACA	ACCCAATCCG	TGTTCTTGGT	
E_phyllosphaerae	GCCGGCTGTA	TGGTGACCGA	AGGCAATATC	AAACGTCACA	ACCCAATCCG	CGTACTGCGC	
E_piriflorinigrans	GCCGGTTGTA	TGGTGACCGA	AGGTAACATT	AAACGTCACA	ACCCAATCCG	CGTACTGCGT	
E_psidii	GCTGGTTGTA	TGGTGACCGA	AGGTAACATT	AAACGTCACA	ATCCAATCCG	TGTTCTTGGC	
E_pyrifoliae	GCCGGTTGTA	TGGTGACCGA	AGGTAACATT	AAACGCCATA	ACCCAATCCG	CGTACTGCGT	
E_rhapontici	GCGGGCTGTA	TGGTGACCGA	AGGTAACATC	AAACGTCACA	ACCCAATCCG	CGTACTGCGT	
E_tasmaniensis	GCCGGTTGTA	TGGTGACCGA	AGGTAACATT	AAACGTCACA	ACCCAATCCG	CGTGCTGCGT	
E_tracheiphila	GCAGGTTGTA	TGGTGACAGA	AGGGAACATT	AAACGTCACA	ATCCAATCCG	CGTTCTGCGC	
E_typographi	GCTGGCTGTA	TGGTGACCGA	AGGGAACATT	AAGCGTCACA	ACCCCATCCG	CGTGCTGCGT	
P_agglomerans	GCCGGTTGTA	TGGTGACCGA	AGGTAACATC	AAGCGTCACA	ATCCAATCCG	TGTTCTTGGC	
P_beijingensis	GCAGGCTGTA	TGGTTACCGA	AGGCAACATC	AAACGTCACA	ACCCGATCCG	CGTACTGCGT	
P_dispersa	GCCGGCTGTA	TGGTCAACCGA	AGGCAACATC	AAACGTCACA	ACCCGATCCG	CGTACTGCGC	
P_eucalypti	GCCGGTTGTA	TGGTGACCGA	AGGTAACATC	AAACGTCACA	ATCCAATCCG	TGTTCTTGGT	
E_sorbitola	GCAGGTTGTA	TGGTGACCGA	AGGTAATATC	AAACGTCACA	ACCCAATCCG	CGTACTGCGT	
E_toletana	GCCGGTTGTA	TGGTCAACCGA	AGGTAACATC	AAGCGTCACA	ACCCGATCCG	TGTTCTTGGT	
unknown_DE2	GCCGGCTGTA	TGGTGACCGA	AGGCAACATC	AAGCGTCACA	ACCCAATCCG	CGTACTGCGT	
unknown_E602	GCCGGTTGTA	TGGTGACCGA	AGGTAACATC	AAACGTCACA	ACCCAATCCG	CGTACTGCGT	
unknown_Ejp617	GCCGGTTGTA	TGGTGACCGA	AGGTAACATT	AAACGCCATA	ACCCAATCCG	CGTACTGCGT	
unknown_QL-Z3	GCTGGCTGTA	TGGTGACTGA	AGGTAACATC	AAACGTCACA	ACCCAATCCG	CGTACTGCGT	

	10621						
ecoli_K12	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAGTCCCTGC	GCCGCTTCAA	AGATGACGTT	
C_E_dadicola	GACAATGTGG	TTATCTATGA	AGGCGAGCTG	GAATCTCTGC	GCCGCTTCAA	AGATGACGTT	
C_E_haradaeae	GACAATATAG	TAATTTATGA	GGGGGAATTA	GAATCGCTTA	GACGATTTAA	AGATGATGTG	
E_amylovora	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAATCACTGC	GCCGCTTCAA	AGATGACGTT	
E_aphidicola	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAATCTCTGC	GCCGCTTCAA	AGATGACGTT	
E_billingiae	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTC	
E_endophytica	GACAATGTGG	TTATCTATGA	AGGCGAGCTG	GAATCTCTGC	GTGCGTTCAA	GGATGACGTC	
E_iniecta	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAATCTCTGC	GCCGCTTCAA	AGATGACGTT	
E_mallotivora	GACAACGTTGG	TTATCTATGA	AGGCGAGCTG	GAATCCCTGC	GTGCGTTCAA	AGATGATGTT	
E_oleae	GACAACGTTGG	TTATCTATGA	AGGCGAAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTT	
E_persicina	GACAACGTTGG	TGATCTACGA	AGGCGAGCTG	GAATCTCTGC	GCCGCTTCAA	AGATGACGTT	
E_phyllosphaerae	GACAACGTTGG	TTATCTATGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTT	
E_piriflorinigrans	GACAACGTTGG	TTATCTATGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTT	
E_psidii	GACAACGTTGG	TTATCTATGA	AGGTGAGCTG	GAATCTCTGC	GCCGCTTCAA	AGATGACGTC	
E_pyrifoliae	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTT	
E_rhapontici	GACAACGTTGG	TTATCTATGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTT	
E_tasmaniensis	GACAACGTTGG	TTATCTACGA	AGGTGAGCTG	GAATCTCTGC	GCCGCTTCAA	AGATGACGTT	
E_tracheiphila	GACAACGTCG	TTATCTATGA	AGGTGAGCTG	GAGTCCCTGC	GCCGCTTTAA	GGATGATGTC	
E_typographi	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTTAA	AGATGACGTT	
P_agglomerans	GACAACGTTGG	TAATTTACGA	AGGCGAGCTG	GAATCTCTGC	GTGCGTTTAA	AGATGACGTC	
P_beijingensis	GATAACGTTGG	TGATCTATGA	AGGCGAGCTG	GAATCTCTGC	GTGCGTTTAA	AGACGATGTT	
P_dispersa	GACAACGTTGG	TTATCTATGA	AGGCGAGCTG	GAATCTCTGC	GTGCGTTCAA	AGATGACGTC	
P_eucalypti	GACAACGTTGG	TGATTTACGA	AGGCGAGCTG	GAATCTCTGC	GTGCGTTTAA	AGATGACGTC	
E_sorbitola	GACAACGTTGG	TTATCTATGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTT	
E_toletana	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAGTCCCTGC	GCCGCTTCAA	AGATGACGTT	
unknown_DE2	GACAACGTTGG	TTATCTATGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTT	
unknown_E602	GACAACGTTGG	TGATCTACGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTT	
unknown_Ejp617	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTT	
unknown_QL-Z3	GACAACGTTGG	TTATCTACGA	AGGCGAGCTG	GAATCCCTGC	GCCGCTTCAA	AGATGACGTC	

10681

ecoli_K12	AACGAAGTCC	GTAACGGTAT	GGAATGTGGT	ATCGGCCTTA	AGAACTACAA	CGACGTCCGC
C_E_dacicola	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
C_E_haradaeae	AATGAAGTTC	GTAATGGAAT	GGAGTGTGGT	ATTGGTGTAA	AAAACTACAA	TGATGTTCGT
E_amylovora	AACGAAGTCC	GTAACGGTAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
E_aphidicola	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
E_billingiae	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
E_endophytica	AACGAAGTTC	GTAACGGTAT	GGAATGTGGT	ATTGGCCTGA	AGAACTACAA	CGATGTGCGT
E_iniecta	AACGAAGTTC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGC
E_mallotivora	AACGAAGTTC	GCAACGGCAT	GGAGTGTGGT	ATCGGCCTGA	AAAACTACAA	CGACGTGCGC
E_oleae	AACGAAGTCC	GCAACGGCAT	GGAGTGTGGT	ATCGGCCTCC	GCAACTATAA	CGATGTGCGT
E_persicina	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
E_phyllosphaerae	AGCGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGC
E_piriflorinigrans	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTACGT
E_psidii	AACGAAGTGC	GTAATGGCAT	GGAGTGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTACGC
E_pyrifoliae	AACGAAGTCC	GTAACGGTAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
E_rhapontici	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTACGT
E_tasmaniensis	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
E_tracheiphila	AACGAAGTCC	GCAATGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTATAA	TGACGTTCGC
E_typographi	AACGAAGTCC	GCAACGGCAT	GGAGTGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGC
P_agglomerans	AACGAAGTGC	GTAACGGCAT	GGAGTGTGGT	ATCGGCCTGA	AGAACTACAA	CGACGTTCGC
P_beijingensis	AATGAAGTTC	GTAACGGTAT	GGAATGTGGT	ATCGGCCTTA	AGAACTACAA	CGATGTCCGC
P_dispersa	AACGAAGTGC	GTAACGGCAT	GGAGTGTGGT	ATCGGCCTGA	AGAACTACAA	CGACGTTCGC
P_eucalypti	AACGAAGTGC	GTAACGGCAT	GGAGTGTGGT	ATCGGCCTGA	AGAACTACAA	CGACGTTCGC
E_sorbitola	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
E_toletana	AACGAAGTTC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTATAA	CGATGTGCGC
unknown_DE2	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
unknown_E602	AACGAAGTCC	GTAACGGTAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGACGTCCGC
unknown_Ejp617	AACGAAGTCC	GTAACGGTAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT
unknown_QL-Z3	AACGAAGTCC	GTAACGGCAT	GGAATGTGGT	ATCGGCCTGA	AGAACTACAA	CGATGTGCGT

10741

ecoli_K12	ACTGGCGATG	TGATCGAAGT	ATTGAAAATC	ATCGAGATCC	AACGTACCAT	TGCTTTAA
C_E_dacicola	GTTGGCGATA	TGATCGAAGT	ATTGAAAATT	ATCGAAAATCC	AGCGCACCAT	TGATTAA
C_E_haradaeae	GTAGGGGATA	TGATTGAGGT	GTTTGAAAATA	ATTGAAGTAC	AACGAAGTAT	AGATTAG
E_amylovora	GTTGGCGATA	TGATCGAAGT	ATTGAAAATT	ATCGAAAATCC	AGCGTACCAT	CGATTAA
E_aphidicola	GTTGGCGATA	TGATCGAAGT	CTTCGAAAATT	ATCGAAAATCC	AGCGTACCAT	TGATTAA
E_billingiae	GTTGGCGATA	TGATCGAAGT	CTTCGAGATT	ATCGAGATCC	AACGTACTAT	CGATTAA
E_endophytica	GTTGGCGATA	TGATCGAAGT	GTTTCGAGATT	ATTGAAAATCC	AACGTACTAT	CGCTTAA
E_iniecta	ACTGGCGATA	TGATCGAAGT	CTTCGAAAATT	ATCGAGATTA	AACGCACCAT	CGATTAA
E_mallotivora	GTTGGCGATA	TGATCGAAGT	ATTGAAAATT	ATTGAGATCC	AGCGTACCAT	CGCCTGA
E_oleae	CGTGGCGATA	TGATCGAAGT	CTTTGAAAATC	ATTGAAAATCC	AGCGTACTAT	CGCTTAA
E_persicina	GTTGGCGATA	TGATCGAAGT	CTTCGAAAATT	ATCGAAAATCC	AGCGCACCAT	CGACTAA
E_phyllosphaerae	GTTGGCGATA	TGATCGAAGT	CTTCGAGATT	ATCGAAAATCC	AGCGTACTAT	CGCTTAA
E_piriflorinigrans	GTTGGCGATA	TGATCGAAGT	ATTGAAAATT	ATCGAAAATTC	AGCGTACCAT	CGATTAA
E_psidii	GTTGGCGATA	TGATCGAAGT	GTTTCGAAGTG	ATCGAAAATCC	AGCGTACTAT	CGCTTAA
E_pyrifoliae	GTTGGCGATA	TGATCGAAGT	GTTTCGAAAATT	ATCGAAAATCC	AGCGTACCAT	CGATTAA
E_rhapontici	GTTGGCGATA	TGATCGAAGT	ATTGAAAATT	ATCGAAAATCC	AGCGTACCAT	CGACTAA
E_tasmaniensis	GTTGGCGATA	TGATCGAAGT	GTTTCGAAAATT	ATCGAAAATCC	AGCGTACTAT	CGATTAA
E_tracheiphila	GTTGGGGATA	TGATCGAAGT	GTTTCGAAAATT	ATCGAAAATTC	AGCGTACTAT	CGCCTGA
E_typographi	GTTGGCGATA	TGATCGAAGT	GTTTCGAGATT	ATCGAGATCC	AGCGTACTAT	CGCTTAA
P_agglomerans	GTTGGCGATA	TGATCGAAGT	GTTTGAAAATC	ATCGAAAATTA	AACGCACCAT	CGAGTAA
P_beijingensis	GTTGGCGATA	TGATCGAAGT	GTTTCGAAAATT	ATCGAAAATCC	AGCGTACCAT	CGCGTAA
P_dispersa	GTTGGCGATA	TGATCGAAGT	GTTTCGAAGTG	ATTGAAAGTTA	AACGCACCAT	CGAGTAA
P_eucalypti	GTTGGCGATA	TGATCGAAGT	GTTTGAAAATC	ATCGAAAATTA	AACGCACCAT	CGAGTAA
E_sorbitola	GTTGGCGATA	TGATCGAAGT	ATTGAAAATT	ATCGAAAATCC	AGCGTACTAT	CGACTAA
E_toletana	ACTGGCGATA	TGATCGAAGT	ATTGAAAATT	ATCGAGATTC	AACGCACCAT	CGATTAA
unknown_DE2	GTTGGCGATA	TGATCGAAGT	CTTCGAAAATT	ATCGAAAATCC	AGCGTACCAT	CGATTAA
unknown_E602	GTTGGCGATA	TGATCGAAGT	ATTGAAAATT	ATCGAAAATCC	AGCGTACCAT	CGACTAA
unknown_Ejp617	GTTGGCGATA	TGATCGAAGT	GTTTCGAAAATT	ATCGAAAATCC	AGCGTACTAT	CGATTAA
unknown_QL-Z3	GTTGGCGATA	TGATCGAAGT	CTTCGAGATT	ATCGAGATCC	AACGTACTAT	CGATTAA