

Genomic coordinates 1-120. Species: *X. fragariae* isolate Fap21, *X. gardneri* str. JS749-3, *X. euvesicatoria* str. 85-10, *X. perforans* str. 91-118, *X. alfalfae* str. GEV-Rose-07, *X. axonopodis* str. Xac29-1, *X. citri* subsp. *citri* str. jx4, *X. fuscans* subsp. *fuscans* str. 4834-R, *X. vasicola* str. NCPPB 1060, *X. oryzae* pv. *oryzicola* BLS256, *X. campestris* str. NCPPB4346, *X. bromi* isolate LMG947, *Acidovorax avenae* subsp. *avenae* ATCC 19860 ruler.

Genomic coordinates 130-240. Species: *X. fragariae* isolate Fap21, *X. gardneri* str. JS749-3, *X. euvesicatoria* str. 85-10, *X. perforans* str. 91-118, *X. alfalfae* str. GEV-Rose-07, *X. axonopodis* str. Xac29-1, *X. citri* subsp. *citri* str. jx4, *X. fuscans* subsp. *fuscans* str. 4834-R, *X. vasicola* str. NCPPB 1060, *X. oryzae* pv. *oryzicola* BLS256, *X. campestris* str. NCPPB4346, *X. bromi* isolate LMG947, *Acidovorax avenae* subsp. *avenae* ATCC 19860 ruler.

Genomic coordinates 250-360. Species: *X. fragariae* isolate Fap21, *X. gardneri* str. JS749-3, *X. euvesicatoria* str. 85-10, *X. perforans* str. 91-118, *X. alfalfae* str. GEV-Rose-07, *X. axonopodis* str. Xac29-1, *X. citri* subsp. *citri* str. jx4, *X. fuscans* subsp. *fuscans* str. 4834-R, *X. vasicola* str. NCPPB 1060, *X. oryzae* pv. *oryzicola* BLS256, *X. campestris* str. NCPPB4346, *X. bromi* isolate LMG947, *Acidovorax avenae* subsp. *avenae* ATCC 19860 ruler.

Genomic coordinates 370-480. Species: *X. fragariae* isolate Fap21, *X. gardneri* str. JS749-3, *X. euvesicatoria* str. 85-10, *X. perforans* str. 91-118, *X. alfalfae* str. GEV-Rose-07, *X. axonopodis* str. Xac29-1, *X. citri* subsp. *citri* str. jx4, *X. fuscans* subsp. *fuscans* str. 4834-R, *X. vasicola* str. NCPPB 1060, *X. oryzae* pv. *oryzicola* BLS256, *X. campestris* str. NCPPB4346, *X. bromi* isolate LMG947, *Acidovorax avenae* subsp. *avenae* ATCC 19860 ruler.

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X. fragariae isolate Fap21 AAAGGCATCACCGTCGGCAACTTTATGCTCGCGCAGGCCCGGCGATTGGAGCAAGGGAGGATCACTGCGTCAGACTATCTCGCCGTGGGACGGCAACTGATGGCCGATGTTCTGATCGCT 1065
X. gardneri str. JS749-3 AACGGCATCACCTGTCGGCAACTGATCAAGCGCGCACGCCCGGCAATGCAGCAAGGGATGATCGCTGCGCCAGAGTATCTCGACGTGGCACGGCAACTGATAGCCGATGCTCTGATCGCC 1068
X. euvesicatoria str. 85-10 GACGGCATCAGCGTGGCGAGCATGATTGGCCGCGCACGACAGCGCTGCAGCAAGGGCCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
X. perforans str. 91-118 GACGGCATCAGCGTGGCGAGCATGATTGGCCGCGCACGACAGCGCTGCAGCAAGGGCCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
X. alfae str. GEV-Rose-07 GACGGCATCAGCGTGGCGAGCATGATTGGCCGCGCACGACAGCGCTGCAGCAAGGGCCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
X. axonopodis str. Xac29-1 GACGGCATCAGCGTGGCGAGCATGATTGGCCGCGCACGACAGCGCTGCAGCAAGGGCCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
X. citri subsp. *citri* str. jx4 GACGGCATCAGCGTGGCGAGCATGATTGGCCGCGCACGACAGCGCTGCAGCAAGGGCCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
X. fuscans subsp. *fuscans* str. 4834-R GACGGCATCAGCGTGGCGAGCATGATTGGCCGCGCACGACAGCGCTGCAGCAAGGGCCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
X. vasicola str. NCPPB 1060 GACGGCATCAGCGTGGCGAGCATGATTGGCCGCGCACGACAGCGCTGCAGCAAGGGCCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
X. oryzae pv. *oryzicola* BLS256 GACGGCATCAGCGTGGCGAGCATGATTGGCCGCGCACGACAGCGCTGCAGCAAGGGCCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
X. campestris str. NCPPB4346 GACGGTATCAGCGTGGCGAGCATGATTGGCCGCGCACGAAAGCGCTGCAGCAAGGGCCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
X. bromi isolate LMG947 GACGGCATCAGCGTGGCGAGCATGATTGGCCGCGCACGACAGCGCTGCAGCAAGGATGCCATCAGCGCAATGGAGTATCTCGGCCGGCCCGGAGTATGGCCGACGTAATGGTGGGG 1062
Acidovorax avenae subsp. *avenae* ATCC 19860 GACGGCGTGGCCGGCCGGCAACTGATCGCCGAGGCCTCGATGCCCCGGAAGACGGCGAGCTGCAGCGCCGGCGCATATGGAGAAGGCGCGACCAATGATCGCGGACGTTCTCATCGCC 1059
ruler970.....980.....990.....1000.....1010.....1020.....1030.....1040.....1050.....1060.....1070.....1080

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X. fragariae isolate Fap21 GTCTCATGCTGTGAAGACATGGGAATCGTGCACCAGGACATTTCCGCAACAACAGTTCATGTACGACGAAACCCGGAAAAATGTTCCGGCTGATCGATATGGGGTAGGTGGAGAGGAGGGA 1185
X. gardneri str. JS749-3 TTATCCTGTTGTGAAGACATGGGAATCGTGCACCAGGACATTTCCGCAACAACAGTTCATGTACGACGAAACCCGGAAAAATGTTCCGGCTGATCGACTTTGGCCGGGTGAAGAAGAAGGT 1188
X. euvesicatoria str. 85-10 ATCGCCTGCTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTGATCGACATGGGGTCGGCGCAGAAGAAGGC 1182
X. perforans str. 91-118 ATCGCCTGCTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTGATCGACATGGGGTCGGCGCAGAAGAAGGC 1182
X. alfae str. GEV-Rose-07 ATCGCCTGCTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTGATCGACATGGGGTCGGCGCAGAAGAAGGC 1182
X. axonopodis str. Xac29-1 ATCGCCTGCTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTGATCGACATGGGGTCGGTTAGAGGAAGGC 1182
X. citri subsp. *citri* str. jx4 ATCGCCTGCTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTGATCGACATGGGGTCGGTTAGAGGAAGGC 1182
X. fuscans subsp. *fuscans* str. 4834-R ATCGCCTGCTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTGATCGACATGGGGTCGGCGCAGAAGAAGGC 1182
X. vasicola str. NCPPB 1060 ATTGCCTGCTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTGATCGACATGGGGTCGGTTAGAGGAAGGC 1182
X. oryzae pv. *oryzicola* BLS256 ATTGCCTGCTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTGATCGACATGGGGTCGGCGCAGAAGAAGGC 1182
X. campestris str. NCPPB4346 ATTGCCTGCTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTGATCGACATGGGGTCGGCGCAGAAGAAGGC 1182
X. bromi isolate LMG947 ATCGCCTGTTGCGAAGACGCCGGCATCGTGCATCAGGACATCTCGCACAACAACAGTTCATGTACGACCAACCCATGAAGATCTTCCGGCTTATCGACATGGGGTCGGTTAGAGGAAGGC 1182
Acidovorax avenae subsp. *avenae* ATCC 19860 CTCGCGCGGTTCCACGACGAAGCGTGGTCCACCAGGACATCTCCACAACAACAGTTCATGTACGACCGGCGAGCGCGGCATGTTCCGGTTGCTGGACATGGGGCAGGGCGAGAGCCGGGC 1179
ruler1090.....1100.....1110.....1120.....1130.....1140.....1150.....1160.....1170.....1180.....1190.....1200

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X. fragariae isolate Fap21 GAGCCCCCTCGTGCCGGCAGCCAGGATATATCGATATGTCCTC-----ACCAGCGAGCC-----ATGCGCGGGATGCTACAGCGTGGCCAGCTCCTCGTGTATTTTTGAAA 1290
X. gardneri str. JS749-3 GAGCCCCGTAAGGTATGGCACGCCGGCTTTATTCGAGGCAAAATCCGAGGCCACTGACCGGCTCTCATCCACGGGATGCTACAGCGCTGCCTCAGCTCCTGGTGCATTTTATCAAA 1308
X. euvesicatoria str. 85-10 GACCCCTAACCGCGCGGCACACCCGGGCTTCTACGACTTGAGCAC-----CCCTGCCAGGC-----ATGCGCGCGACGCTACAGCGTGGCGCAATGCTGGTGCATGTGCTCAAG 1287
X. perforans str. 91-118 GACCCCTAACCGCGCGGCACACCCGGGCTTCTACGACTTGAGCAC-----CCCTGCCAGGC-----ATGCGCGCGACGCTACAGCGTGGCGCAATGCTGGTGCATGTGCTCAAG 1287
X. alfae str. GEV-Rose-07 GACCCCTAACCGCGCGGCACACCCGGGCTTCTACGACTTGAGCGC-----CCCTGCCAGGC-----ATGCGCGCGACGCTACAGCGTGGCGCAATGCTGGTGCATGTGCTCAAG 1287
X. axonopodis str. Xac29-1 GACCCCTAACCGCGCGGCACACCCGGGCTTTTACGACTTGAGCAC-----CCCGCCAGGC-----ATACGCGCGACGCTACAGCGTGGCGCAACTGCTGGTGCATGTGCTCAAG 1287
X. citri subsp. *citri* str. jx4 GACCCCTAACCGCGCGGCACACCCGGGCTTTTACGACTTGAGCAC-----CCCGCCAGGC-----ATACGCGCGACGCTACAGCGTGGCGCAACTGCTGGTGCATGTGCTCAAG 1287
X. fuscans subsp. *fuscans* str. 4834-R GACCCCTAACCGCGCGGCACACCCGGGCTTCTACGACTTGAGCAC-----CCCTGCCAGGC-----ATGCGCGCGACGCTACAGCGTGGCGCAACTGCTGGTGCATGTGCTCAAG 1287
X. vasicola str. NCPPB 1060 GACCCCTAACCGCGCGGCACACCCGGGCTTTTACGACTTGAGCAG-----CCCTGCCAGGC-----ATGCGCGCGACGCTTACAGCGTGGCGCAACTGCTGGTGCATGTGCTCAAG 1287
X. oryzae pv. *oryzicola* BLS256 GACCCCTAACCGCGCGGCACACCCGGGCTTTTACGACTTGAGCAG-----CCCGCCAGGC-----ATGCGCGCGACGCTACAGCGTGGCGCAACTGCTGGTGCATGTGCTCAAG 1287
X. campestris str. NCPPB4346 GACCCCTAACCGCGCGGCACACCCGGGCTTTTACGACTTGAGCAG-----CCCGCCAGGC-----ATGCGCGCGACGCTACAGCGTGGCGCAACTGCTGGTGCATGTGCTCAAG 1287
X. bromi isolate LMG947 GATCCCAACCGCGGTGGCACACCAGGCTTTTTCGACGTGAGCAG-----CCCGCCAGGC-----ATACGCGCGACGCTACAGCGTGGCGCAACTGCTGGTGCATGTGCTCAAG 1287
Acidovorax avenae subsp. *avenae* ATCC 19860 GGCCCCGAGGGCGCAGGGCACTGCAGGCTACATGGACATGCACGC-----CGCTCGGGCGGAC---CACCGCAGCGACGTTATGCGGCGGCCAGTTGCTGGTGGCCCTGCTCAAG 1287
ruler1210.....1220.....1230.....1240.....1250.....1260.....1270.....1280.....1290.....1300.....1310.....1320

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X. fragariae isolate Fap21 CATCCCAGTACCCAGATGGGCTATATCGGGATTTTCAATGAAACGTCGGAGGAGAAATCCCGTTTCATGGAAGCGTTGAAAAAAATCTGCCATTGCAAGCAAAGAGAAGTATCCGC 1410
X. gardneri str. JS749-3 TGCCCCGACTACGACATGGGTTTTTACGGGAATTTTACGGGCAAGACAGAAGAAGATTTCCGTTTCATGGATGCGTTGCAAGCAG---CTATCCTTGAAGACAGGGAAGAGATCGTCCGT 1425
X. euvesicatoria str. 85-10 CGCCCCGACTACAAATGGGCTATGTCGGGATCAATCGCGCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGCCGACCACAAGCGCATTTGGTCCGC 1404
X. perforans str. 91-118 CGCCCCGACTACAAATGGGCTATGTCGGGATCAATCGCGCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGCCGACCACAAGCGCATTTGGTCCGC 1404
X. alfae str. GEV-Rose-07 CGCCCCGACTACAAATGGGCTATGTCGGGATCAATCGCGCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGCCGACCACAAGCGCATTTGGTCCGC 1404
X. axonopodis str. Xac29-1 CGCCCCGACTACAAATGGGCTATGTCGGGATCAATCGCCCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGAGACCACAAGCGCATGGTGGTCCGC 1404
X. citri subsp. *citri* str. jx4 CGCCCCGACTACAAATGGGCTATGTCGGGATCAATCGCCCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGAGACCACAAGCGCATGGTGGTCCGC 1404
X. fuscans subsp. *fuscans* str. 4834-R CGCCCCGACTACAAATGGGCTATGTCGGGATCAATCGCCCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGCCGACCACAAGCGCATGGTGGTCCGC 1404
X. vasicola str. NCPPB 1060 CGCCCCGACTACAAATGGGCTATGTCGGGATCAATCGCCCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGAGACCACAAGCGCATGGTGGTCCGC 1404
X. oryzae pv. *oryzicola* BLS256 CGCCCCGACTACAAATGGGCTATGTCGGGATCAATCGCCCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGCCGACCACAAGCGCATGGTGGTCCGC 1404
X. campestris str. NCPPB4346 CGCCCCGACTACAAATGGGCTATGTCGGGATCAATCGCCCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGCCGACCACAAGCGCATGGTGGTCCGC 1404
X. bromi isolate LMG947 CGCCGCGACTACAAATGGGCTATGTCGGGATCAATCGCCCCAAGACCGCAGACACCTTCCCTTTCATGGATGCGTTGCAGGCT---CTCCCGGCCGACCACAAGCGCATGGTGGTCCGC 1404
Acidovorax avenae subsp. *avenae* ATCC 19860 ACGCCAGCGTACCGTCTTGGCATGGCGGGCATGTCCGGATCGCGGACCGTGGAGGACTTTCCGTTTCGCGCCGGCATTTGAGGGCG---CTCGTGGCCGGCCGGCTGGACCGCGCGGTGGCG 1404
ruler1330.....1340.....1350.....1360.....1370.....1380.....1390.....1400.....1410.....1420.....1430.....1440

