

<i>X. euvesicatoria</i> str. 85-10	MKQISGNFTLPSTALRA--DAERDA-PETAQAP--EPHTP-PHPVADHPL	44
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	---MAGLPPLSIPSVRPARDGEGTANPEAAPTG--PPRPPGPHAVAHVPL	45
<i>X. alfalfae</i> str. GEV-Rose-07	MKQISGNFTLPSTALRA--DAERDA-PETAQAP--EPHTP-PHPVADHPL	44
<i>X. axonopodis</i> str. Xac29-1	MKQISGNFTLPSTALRA--DAERDA-PETAQAP--EQHTP-PHPVADHPL	44
<i>X. bromi</i> isolate LMG947	MKHISGKPTLLSTAMHA--DAERDE-AETAYSP--EQDTL-LHPVADHPL	44
<i>X. campestris</i> str. NCPPB4346	MKQISGKFTPPSTALRA--DAERDA-PDTAQAP--EQHPP-PHPVADHPL	44
<i>X. citri</i> subsp. <i>citri</i> str. jx4	MKQISGNFTLPSTALRA--DAERDA-PETAQAP--EQHTP-PHPVADHPL	44
<i>X. fragariae</i> isolate Fap21	MKKISDTSPAFRIGMQA--EAEQVQ-TSMDRVPP--EHQHV-AEPAQDHPL	44
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	MKQISGNVTLPLSTALRA--DAERDA-PETAQAP--EQHTP-PHPVADHPL	44
<i>X. gardneri</i> str. JS749-3	MKKISPTSPVIPHGMQA----EGDQ-SETSMHPASEHHEPAATPGQDPLL	45
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	MKQISGKFTPPSTALRA--DAKRDA-PDTAQVP--EQHPP-PHPVADHPL	44
<i>X. perforans</i> str. 91-118	MKQISGNFTLPSTALRA--DAERDA-PETAQAP--EPHTP-PHPVADHPL	44
<i>X. vasicola</i> str. NCPPB 1060	MKQISGNFTLPSTALRA--DAERDA-PETAQAT--EQHTP-PHPVADHPL	44
ruler	1.....10.....20.....30.....40.....50	

<i>X. euvesicatoria</i> str. 85-10	NLLEKRRSITGVLADERKRLEV--VVPRLQAALAP--HTWSSSSSDSPTT	90
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	LARRRGQSGEGPSAERAPRLAPLDALRRASTFVLPR----SPSSFDHGRR	91
<i>X. alfalfae</i> str. GEV-Rose-07	NLLEKRRSITGVLADERKRLEV--VVPRLQAALAP--HTWSSSSSDSPTT	90
<i>X. axonopodis</i> str. Xac29-1	NLLEKRRSTTGMLADERKRLEV--VVPRLQAALAP--HTWSSSSSDSPTT	90
<i>X. bromi</i> isolate LMG947	NLLEKRRSTTGVLADEHSQLOV--VVPRLQASLAP--QTWSSSSSGSPTT	90
<i>X. campestris</i> str. NCPPB4346	NLLEKRRTTIGLLADERKRLEV--VVPRLQPSLAP--QTWSSSSSDSPAT	90
<i>X. citri</i> subsp. <i>citri</i> str. jx4	NLLEKRRSTTGMLADERKRLEV--VVPRLQAALAP--HTWSSSSSDSPTT	90
<i>X. fragariae</i> isolate Fap21	NLLEKRLRKTAESSSEDPSLHI--SVPTISGRLNRFISRSFSSSSSNAPTT	92
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	NLLEKRRSTTGVLADENTRLEV--VVPRLQAALAP--HTWSSSSSDSPTT	90
<i>X. gardneri</i> str. JS749-3	NLLEKRRIRSGESSVRELSVDIDRPPPRL---IVPRCLPRSLSSGSTSTT	92
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	NLLEKRRTTIGLLADERKRLEV--VVPRLQPCLAP--QTWSSSSSDSPTT	90
<i>X. perforans</i> str. 91-118	NLLEKRRSITGVLADERKRLEV--VVPRLQAALAP--HTWSSSSSDSPTT	90
<i>X. vasicola</i> str. NCPPB 1060	NLLEKRRSTTGVLADERTHLEV--VVPRLQAALAP--HTWSSSSSDSPTT	90
ruler	.....60.....70.....80.....90.....100	

<i>X. euvesicatoria</i> str. 85-10	PVTGR-SPRLGQPQPGSP-TWAC	LLETPARLSALAGADSSDAFQNL	LRNARR	138
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	PGAGRASPSHGAGSSQP	PSLASLLDPSTPIARERDGCW	SPVRALRRERR	141
<i>X. alfalfae</i> str. GEV-Rose-07	PVTGR-SPRLGQPQPGSP-TWAC	LLETPARLSALAGADSSDAFQNL	LRNARR	138
<i>X. axonopodis</i> str. Xac29-1	PVTGR-SPRLGQQPQPGSP-TWAC	LLETPARTSALAGADSND	AFQNLRNARR	138
<i>X. bromi</i> isolate LMG947	PVTGR-SPRSGARPGSP-ILAS	LLETPARASATVGADSSNAFQNL	LRNARR	138
<i>X. campestris</i> str. NCPPB4346	PLSSR-SPRLGTQPGLP-TWAC	LLETPTRTSALAGADSSDAFQNL	LRNARR	138
<i>X. citri</i> subsp. <i>citri</i> str. jx4	PVTGR-SPRLGQQPQPGSP-TWAC	LLETPARTSALAGADSND	AFQNLRNARR	138
<i>X. fragariae</i> isolate Fap21	PGSGF-SGRPTGYPGFP-TLAS	LLDPPTPRSHSPPSGLSHASDI	LRNERQ	140
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	PVTGR-SPRLGQPQPGSP-TWAC	LLETPARTSALAGADSND	AFQNLRNARR	138
<i>X. gardneri</i> str. JS749-3	PGSDS-SRRSTPYSDLP-VLGS	LLDPPTPGSLALTPPPSNAFGI	LRNERM	140
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	PLSSR-SPRLGTQPGLP-TWAC	LLETPTRTSALAGTDSSDAFQNL	LRNARQ	138
<i>X. perforans</i> str. 91-118	PVTGR-SPRLGQPQPGSP-TWAC	LLETPARLSALAGADSSDAFQNL	LRNARR	138
<i>X. vasicola</i> str. NCPPB 1060	SATGR-SPRLSPQPGSP-TWAC	LLETPAHTSALAGADSSDAFQNL	LRNARQ	138
ruler	.....110.....120.....130.....140.....150			

<i>X. euvesicatoria</i> str. 85-10	LVSDTRHARQHVVLSPRLVKS	LTSSERPDLIQKLSALKPGALD	VVDNGFL	188
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	MQAELRASSGAGVLSPHVVH	SMGSP---PGWEARLAALKPG	AAEVQOGFE	188
<i>X. alfalfae</i> str. GEV-Rose-07	LVSDTRHARQHVVLSPRLVKS	LTSSERPDLIQKLSALKPGALD	VVDNGFL	188
<i>X. axonopodis</i> str. Xac29-1	LVSEMRHARQHVVLSPRLVKS	LTSSERPDLIQKLSALKPGALD	VDTGFL	188
<i>X. bromi</i> isolate LMG947	RVSDMRHARQHVVLSPRLVNS	LTSSERPDLILKLSALKPGALD	VDDGGFL	188
<i>X. campestris</i> str. NCPPB4346	LVSDMRHARQHVMLS PRLVKS	LTSSERPDLIQKLSALKPGALD	VDSGFV	188
<i>X. citri</i> subsp. <i>citri</i> str. jx4	LVSEMRHARQHVVLSPRLVKS	LTSSERPDLIQKLSALKPGALD	VDTGFL	188
<i>X. fragariae</i> isolate Fap21	RTRDLRYVQQDVVLS PRTVRS	LAAKSQRPEVIERLSTLKPGA	LEIENGFL	190
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	LVSEMRHARQHVVLSPRLVKS	LTSSERPDLIQKLSALKPGALD	VDTGFL	188
<i>X. gardneri</i> str. JS749-3	RMRETRYRRQDVVLS PRTLKDL	ASNSPRPELLTKLSLLKPGA	LEIENGFL	190
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	LVSDMRHARQHVVLSPRLVKS	LTSSERPDLIQKLSALKPGALD	VDSGFV	188
<i>X. perforans</i> str. 91-118	LVSDTRHARQHVVLSPRLVKS	LTSSERPDLIQKLSALKPGALD	VVDNGFL	188
<i>X. vasicola</i> str. NCPPB 1060	LVSDMRRARQHVVLSPRLVKS	LTSSERPDLIQKLSALKPGASD	VDDGGFL	188
ruler	.....160.....170.....180.....190.....200			

<i>X. euvesicatoria</i> str. 85-10	HVTLETGHAGTAGTLDAMPTVGTGASASTYAVRLAEDLWQGGQNCGRDFI	238
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	RVDLDTAWDGPDAAGPAWQRIGGGASGEVYAVRLARNFMQGGEDHGGRDFV	238
<i>X. alfalfae</i> str. GEV-Rose-07	HVTLETGHAGTAGTLDAMPTVGTGASASTYAVRLAEDLWQGEQNCGRDFI	238
<i>X. axonopodis</i> str. Xac29-1	KVTLETGHAGTAGTLDAMPTVGTGASASTYAVRLAEDLWQGEQHCGRDFI	238
<i>X. bromi</i> isolate LMG947	QVTLGTRYAGPAETLHTMPTVGI GASASTYAVRLTEDLWQGGENCGRDFI	238
<i>X. campestris</i> str. NCPPB4346	RVTLETGHTGSAGTLDAMPTVGS GASASTYAVRLAEDLWQDGQNCGRAFI	238
<i>X. citri</i> subsp. <i>citri</i> str. jx4	KVTLETGHAGTAGTLDAMPTVGTGASASTYAVRLAEDLWQGEQHCGRDFI	238
<i>X. fragariae</i> isolate Fap21	PVRLERAHSDPRTLQGM RPIGSGASGSAYAVRLAEDFWRAGENCGRDFV	240
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	QVTLETGHAGTAGTLHAMPTVGTGASASTYAVRLAEDLWQGGQHCGRDFI	238
<i>X. gardneri</i> str. JS749-3	PVRLEGTHNGDTQNLKDMQPLGKGASGRAYAVRLAEDFWRGEENCGRDFV	240
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	RVTLETGHTGTAGMLDAMPTVGS GASASTYAVRLAEDLWQDGQNCGRAFI	238
<i>X. perforans</i> str. 91-118	HVTLETGHAGTAGTLDAMPTVGTGASASTYAVRLAEDLWQGGQNCGRDFI	238
<i>X. vasicola</i> str. NCPPB 1060	HVTLETGHAGTAGTLDAMPTVGTGASASTYAVRLAEDLWQGGQNCGRDFI	238
ruler	.....210.....220.....230.....240.....250	

<i>X. euvesicatoria</i> str. 85-10	FKALLRTDPQRPI PPTLCDPATAADAPALQQRVAERKAMIFQEYQMIRSV	288
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	FKAMLSLDPEDRLPPRLHAQAP-QDGEGLRQAI AAHTDRIHQEFQVAISL	287
<i>X. alfalfae</i> str. GEV-Rose-07	FKALLRTDPQRPI PPTLCDPATAADAPALQQRVAERKAMIFQEYQMIRSV	288
<i>X. axonopodis</i> str. Xac29-1	FKALLCTNPQRPI PLTLYDPATVADAPTLQERIAERRAMIFQEYQMIRSV	288
<i>X. bromi</i> isolate LMG947	FKALLCTNPQQPI PPTFGGAHTVADAPALQQR IAARKAMIFQEYQILRSV	288
<i>X. campestris</i> str. NCPPB4346	FKALLRTNPQQPAPPTLGDPTCVVDAQALQERIAARKAMIFQEYQMIRSV	288
<i>X. citri</i> subsp. <i>citri</i> str. jx4	FKALLCTNPQRPI PLTLYDPATVADAPTLQERIAERRAMIFQEYQMIRSV	288
<i>X. fragariae</i> isolate Fap21	FKAMLCPPDPQKPI PCDLYTSH-LQDISNPKEVVSLEKAKIYKEYQMTVSL	289
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	FKALLCTDPQRPI PPTLCDPATVADAPTLQERIAERKAMIFQEYQMIRSV	288
<i>X. gardneri</i> str. JS749-3	FKAMLNTDPKNPI PTNLYDKYFQODASDPKDPVSLHEANIYREYQMTVSL	290
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	FKALLRTNPQQPAPPTLGHPTCVVDAQALQQR IAARKAMIFQEYQMIRSV	288
<i>X. perforans</i> str. 91-118	FKALLRTDPQRPI PPTLCDPATAADAPALQQR IAARKAMIFQEYQMIRSV	288
<i>X. vasicola</i> str. NCPPB 1060	FKALLRTDPQPPTPI PGDPTSVADAQALQQHIAARKAMIFQEYQMIRSV	288
ruler	.....260.....270.....280.....290.....300	

IV

V

<i>X. euvesicatoria</i> str. 85-10	DAVPYIVRAHGVVQIEHTFGILLEKIDGISVRSMIGRARTALQOGAISAM	338
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	RGTSQVMQVRGLVQIGSRLGILSERIDGVPAGELIGEASYALEDGDVAAP	337
<i>X. alfalfae</i> str. GEV-Rose-07	DAVPYIVRAHGVVQIEHTFGILLEKIDGISVRSMIGRARTALQOGAISAM	338
<i>X. axonopodis</i> str. Xac29-1	DAVPYIVHAHGVVQIEHTFGILLEKIDGISVRSMIGRARPALQOGAISAM	338
<i>X. bromi</i> isolate LMG947	DAVPYIVRAHGVVQIEDAFGILLEKIDGISVRSLIGRARAALQQDAITAL	338
<i>X. campestris</i> str. NCPPB4346	DAVPYIVRAHGVVQIEHTFGILLEKIDGISVRSMIGRARKALQOGAITAM	338
<i>X. citri</i> subsp. <i>citri</i> str. jx4	DAVPYIVHAHGVVQIEHTFGILLEKIDGISVRSMIGRARPALQOGAISAM	338
<i>X. fragariae</i> isolate Fap21	DAGSRVMRAYGLVQIDNVF GILLEKIKGITVGNFIARAGPALEQGRITAS	339
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	DAVPYIVHAHGVVQIEHTFGILLEKIDGISVRSMIGRARTALQOGAISAM	338
<i>X. gardneri</i> str. JS749-3	DERSRIMRAYGLVQIDDFV GILLEKINGITVGNLIKRRARPALQQGMIAAP	340
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	DAVPYIVRAHGLVQIEHTFGILLERIDGISVRSMIGRARRALQOGAITAM	338
<i>X. perforans</i> str. 91-118	DAVPYIVRAHGVVQIEHTFGILLEKIDGISVRSMIGRARTALQOGAISAM	338
<i>X. vasicola</i> str. NCPPB 1060	DAVPYIVRAHGVVQIEHTFGILLEKIDGISVRSMIARARTALQOGAISAM	338
ruler	.....310.....320.....330.....340.....350	

VI

VII

<i>X. euvesicatoria</i> str. 85-10	EYLGLARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPMKIFRLIDMG	388
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	AHMEMARTMIADV LIALARFHDEGVVHQDISHNNVMYDRQRGMFRLIDMG	387
<i>X. alfalfae</i> str. GEV-Rose-07	EYLGLARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPMKIFRLIDMG	388
<i>X. axonopodis</i> str. Xac29-1	EYLGLARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPTKIFRLIDMG	388
<i>X. bromi</i> isolate LMG947	DYLGLARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPMKTFRLIDMG	388
<i>X. campestris</i> str. NCPPB4346	EYLGLARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPMKIFRLIDMG	388
<i>X. citri</i> subsp. <i>citri</i> str. jx4	EYLGLARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPTKIFRLIDMG	388
<i>X. fragariae</i> isolate Fap21	DYLAVGRQLMADV LIAVSCCEDMGIVHQDISHNNVMYDEPGKMFRLIDMG	389
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	EYLGLARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPTRIFRLIDMG	388
<i>X. gardneri</i> str. JS749-3	EYLDVARQLIADV LIALSCCEDMGIVHQDVSHNNVMYDGSKKMFRLIDFG	390
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	EYLGMARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPMKIFRLIDMG	388
<i>X. perforans</i> str. 91-118	EYLGLARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPMKIFRLIDMG	388
<i>X. vasicola</i> str. NCPPB 1060	EYLALARQLMADV LVGIACCEDAGIVHQDISHNNVMYDQPMKIFRLIDMG	388
ruler	.....360.....370.....380.....390.....400	

VIII

IX

<i>X. euvesicatoria</i> str. 85-10	LGAEEGDPNRGGTTPGFYDLSTPA--R---	HARDVYSVAQLLVHVLKRPDY	433
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	QGAEPGGPRAQGTAGYMDMHAARAD---	HRSADVAAAQLLVRLKTPAY	433
<i>X. alfalfae</i> str. GEV-Rose-07	LGAEEGDPNRGGTTPGFYDLSAPA--R---	HARDVYSVAQLLVHVLKRPDY	433
<i>X. axonopodis</i> str. Xac29-1	LGSEEGDPNRGGTTPGFYDLSTPA--R---	HTRDVYSVAQLLVHVLKRPDY	433
<i>X. bromi</i> isolate LMG947	LGSEEGDPNRGGTTPGFFDVSSPA--R---	HTRDVYSVAQLLVHVLKRRDY	433
<i>X. campestris</i> str. NCPPB4346	LGAEEGDPNRGGTTPGFYDLSSPA--R---	HARDVYSVAQLLVHVLKRPDY	433
<i>X. citri</i> subsp. <i>citri</i> str. jx4	LGSEEGDPNRGGTTPGFYDLSTPA--R---	HTRDVYSVAQLLVHVLKRPDY	433
<i>X. fragariae</i> isolate Fap21	LGGEEGEPPRAGTPGYIDMSSPA--S---	HARDVYSVAQLLVYFLKHPDY	434
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	LGAEEGDPNRGGTTPGFYDLSTPA--R---	HARDVYSVAQLLVHVLKRPDY	433
<i>X. gardneri</i> str. JS749-3	LGEEEGEPVRYGTPGFIEANPQATDRLAS	HPRDVYSAAQLLVHFVKCPTH	440
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	LGAEEGDPNRGGTTPGFYDLSSPA--R---	HARDVYSVAQLLVHVLKRPDY	433
<i>X. perforans</i> str. 91-118	LGAEEGDPNRGGTTPGFYDLSTPA--R---	HARDVYSVAQLLVHVLKRPDY	433
<i>X. vasicola</i> str. NCPPB 1060	LGSEEGDPNRGGTTPGFYDLSSPA--R---	HARDVYSVAQLLVHVLKRPDY	433
ruler	.....410.....420.....430.....440.....450		

X

XI

<i>X. euvesicatoria</i> str. 85-10	NMGMIGINRAKTADTFPFMDALQA-LPADHKRIVVRRFFNSMLDDGTGERT	482
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	RLGMAGMSGSRVTEDFPFAPALRA-LVPGRLDAVRFINRMIGRQPDARS	482
<i>X. alfalfae</i> str. GEV-Rose-07	NMGMIGINRAKTADTFPFMDALQA-LPADHKRIVVRRFFNSMLDDGTGERT	482
<i>X. axonopodis</i> str. Xac29-1	NMGMIGINRPKTADTFPFMDALQA-LPADHKRTVVGFFNSMLDDGTGERT	482
<i>X. bromi</i> isolate LMG947	NMGMIGINRAKTAETFPFMDPLHA-LPADHKRNVRFFNRMLNDGTGKRT	482
<i>X. campestris</i> str. NCPPB4346	NMGMIGINRAKTADTFPFMEALQA-LPADHKRMVVRFFNSMLDDGTGERT	482
<i>X. citri</i> subsp. <i>citri</i> str. jx4	NMGMIGINRPKTADTFPFMDALQA-LPADHKRTVVGFFNSMLDDGTGERT	482
<i>X. fragariae</i> isolate Fap21	QMGYIGIFNETSEEKFPFMEALKKNLPFESKREVIRFLNRMISIDANGRA	484
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	NMGMIGINRTKTADTFPFMDALQA-LPADHKRTVVHFFNSMLDDGTGERT	482
<i>X. gardneri</i> str. JS749-3	DMGFTGIFRAKTEEDFPFMDALKQ-LSLKDREEIVRFFNRMITPKENGA	489
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	NMGMIGINRAKTADTFPFMEALQA-LPADHKRMVVRFFNSMLDDGTGERT	482
<i>X. perforans</i> str. 91-118	NMGMIGINRAKTADTFPFMDALQA-LPADHKRIVVRRFFNSMLDDGTGERT	482
<i>X. vasicola</i> str. NCPPB 1060	NMGMIGINRAKTADSFPFMDALQA-LPDDHKCTVVRFFNSMLDDGTGQRT	482
ruler	.....460.....470.....480.....490.....500	

<i>X. euvesicatoria</i> str. 85-10	KAERLLRDPFFTEPPLPPRDRMHRTYEKL--KRLPSF	517
<i>Acidovorax avenae</i> subsp. <i>avenae</i> ATCC 19860	TAEELLGDPFLQE--LEPRALTRATVEKVLNPETPPG	517
<i>X. alfalfae</i> str. GEV-Rose-07	KAERLLRDPFFTEPPLPPRDRMHRTYEKL--KRLPSF	517
<i>X. axonopodis</i> str. Xac29-1	KAERLLRAPFFPEPPLPPRDRMHRTFEKL--TRLPSF	517
<i>X. bromi</i> isolate LMG947	KAEILLRDPFFTETPLPTRDRIHRTYEKL--KRLPSF	517
<i>X. campestris</i> str. NCPPB4346	KAEVLLRDPFFTETPLPPRARMHRTYEKL--KRVPSF	517
<i>X. citri</i> subsp. <i>citri</i> str. jx4	KAERLLRAPFFTEPPLPPRDRMHRTFEKL--TRLPSF	517
<i>X. fragariae</i> isolate Fap21	RAEDLLDSFINDPTIPLRNHVHATYKKL--A-----	514
<i>X. fuscans</i> subsp. <i>fuscans</i> str. 4834-R	KAEILLRDPFFTEPPLPPRDRMHRTYEKL--KRLPSF	517
<i>X. gardneri</i> str. JS749-3	TAEDLLKDPFLNAAAIGPRDNVHATLEKLT-----	519
<i>X. oryzae</i> pv. <i>oryzicola</i> BLS256	KAEVLLRAPFFTETPLPPRARMHRTYEKL--KRVPSF	517
<i>X. perforans</i> str. 91-118	KAERLLRDPFFTEPPLPPRDRMHRTYEKL--KRLPSF	517
<i>X. vasicola</i> str. NCPPB 1060	KAETLLRNPFFTQQLPPRDRMHRTYEKL--RRLPSF	517
ruler	.....510.....520.....530.....	