

Xsp132/690-821
Xsp4393/690-821
CBA16221.Xanthomonas albilineans/690-821
YP_003376211.Xanthomonas albilineans/690-821
ABY87166.Xanthomonas albilineans/690-821
YP_201045.Xanthomonas oryzae pv oryzae KACC10331/690-784
ZP_02242791.Xanthomonas oryzae pv oryzicola BLS256/690-784
YP_363403.Xanthomonas campestris pv vesicatoria str 85_10/690-784
NE_60749476.Xanthomonas fuscans subsp aurantifolii str ICPB_11122/690-784
YP_201045.Xanthomonas axonopodis pv citri str 306/690-784
ZP_064847.Xanthomonas campestris pv vasculorum NCPBP702/690-784
NE_636945.Xanthomonas campestris pv campestris str ATCC_33913/690-784
YP_299829.Xylella fastidiosa 9a5c/690-784
ZP_00651473.Xylella fastidiosa Dixon/690-784
YP_780116.Xylella fastidiosa Temecual/690-784
ZP_00680404.Xylella fastidiosa Ann 1/690-784
ZP_05133559.Stenotrophomonas pv SKA14/690-781
YP_001972873.Stenotrophomonas maltophilia K279a/690-781
YP_002028961.Stenotrophomonas maltophilia R551_3/690-781
ZP_04962496.Vibrio cholerae AN 19226/690-774
ZP_01959501.Vibrio cholerae M20_3/690-774
ZP_04410790.Vibrio cholerae T10_1079_80/690-774
NE_230903.Vibrio cholerae O1 biovar El Tor str N19661/690-774
ZP_04400652.Vibrio cholerae B33/690-774
ZP_05419603.Vibrio cholerae CIRS_101/690-774
ZP_01979964.Vibrio cholerae M20_2/690-774
ZP_01948050.Vibrio cholerae T587/690-774
ZP_04405090.Vibrio cholerae TMA 21/690-774
ZP_05715247.Vibrio mimicus VM573/690-774
ZP_05719378.Vibrio mimicus VM603/690-774
ZP_06078960.Vibrio sp RC586/690-774
ZP_05925312.Vibrio sp RC341/690-760
ZP_02197384.Vibrio sp AND4/690-774
ZP_05881832.Vibrio metschnikovii CIP_69_14/690-760
ZP_01237041.Vibrio angustum SK4/690-760
ZP_01160577.Photobacterium sp SRA33/690-760
YP_927606.Shewanella amazonensis S82/690-774
YP_001554832.Shewanella baltica OS195/690-769
YP_001050432.Shewanella baltica OS195/690-769
YP_963331.Shewanella sp W3_18_1/690-769
YP_734050.Shewanella sp MR_4/716-800
YP_738104.Shewanella sp MR_7/716-800
YP_869609.Shewanella sp ANA_3/690-774
YP_562954.Shewanella denitrificans OS217/690-769
YP_002311810.Shewanella piezotolerans WP3/690-769
ZP_02156186.Shewanella benthica K799/690-769
ZP_04716873.Alteromonas macleodii ATCC_27126/690-769
YP_662040.Pseudoalteromonas atlantica T6c/690-769
ZP_01614517.Alteromonadales bacterium W_7/692-768
YP_332939.Pseudoalteromonas haloplaxii TAC125/692-776
ZP_01215928.Psychromonas sp CNPT3/691-775
YP_856853.Aeromonas hydrophila subsp hydrophila ATCC_7966/691-788
YP_001147170.Aeromonas salmonicida subsp salmonicida A449/691-798
YP_003466665.Xenorhabdus bovienii SS 204/691-763

[illegible]

Multiple sequence alignment of partial gyrase A proteins from *Xanthomonas albilineans* and other gamma-proteobacteria. The 43 amino acid insert, which was previously reported to be unique to *X. albilineans*, is highlighted in yellow.