а			
_	XacFhaB Fha1	ATDRTAMGRAATGLGGINAWRSNGPGRRYLIETDPRFVNYDNFISSDFLLDKLGVDPEWT MGRAANGLGGINAWRSNGPGRRYLIETDPRFVNYDNFISSDFLLDKLGVDPEWT *****.*******************************	
	XacFhaB Fha1	QTRLGDGFYEQRLVLDQITQLTGRRYLGNYADGVAQYRALLESGVAAAGQLQLSMGVGLT QTRLGDGFYEQRLVLDQITQLTGRRYLGNYADGVAQYRALLESGVAAAGQLQLSMGVGLT ************************************	
	XacFhaB Fha1	AAQAAALTQDIVWMVEQEYQGQTVLVPVVYLASNSLQLRGNGALIAGGNVELNATNTLSN AAQAAALTQDIVWMVEQDYQGQKVLVPVVYLASNSLQLRGNGALIAGGNVELNAANAMSN ************************************	
	XacFhaB Fha1	QGVIAGADVSITAGNLLNQGRISGTGSVALEARNDLLNQGQIQGRDVALVAGNNLVSEAS QGVIAGADVSVTAGNLLNQGRISGTGTVTLEARNDLLNQGQIQGRDVALVAGNNLVSEAA ***********************************	
	XacFhaB Fha1	KAINGVGILSGISASNTLQLMAGNDMTLTGTRVQAGGSAALIAGNNLSLTPSALRDDNGL KAINGVGILSGITASNTLQLMAGNDMTLTGTRVQAGGSAALIAGNNLSLTPSALRDDNGL ***********	
	XacFhaB Fha1	LRGGDAVSVTTGKDLIVSAGNDLQLHGVTIAAGGSAALQAGNDLSLTPTTGLDGKVATRT LRGGDAVSVTTGKDLIVSAGNDLQLHGVTIAAGGSAALQAGNNLSLTPTIGLDGKVATRT ***********************************	
	XacFhaB Fha1	SLSTGDSLQLTAGNDLTIRQAEVKAGGDLIAAAGNNLNVESVVNDSQSNSDNSRNGKTRV SISTGDSLQLTAGNDLTIRQAEVKAGGDLIAAAGNNLNVESVLNDSETNRYNSRNGKTRV *:***********************************	
	XacFhaB Fha1	TTTTTTQTIDQQALTAGGNLILSAGNDVNLVAAKLDAGKGLGISAGNDINASTLTTVDTS TTTTTTQSIDQQALAAGGNLILSAGNDVNP	
b			
_	AR2 AR2'	SVALSSQGAMQLDGVVAAATALQASAGGDLQQAGSLKAQSIALQAGQDLTANGSLQSAST TVTLTSQGDMTLQGVVAAASTLHADAGGDLQQAGSLKAQSIALQAGRDLTAAGSLQSASG :*:**** * *:******:*******************	
	AR2 AR2'	LDLQSQRTLALNGQASSAADATLNGATIAASAAAVLQSGASITLAGDSIESRGALDAAND LDLQAQRVLTLNGQAVSAANATLRGMQIATGQAAVLQSGAAISLDGAAIDSRGALGAVTD ****:**.***** ***:**** **:. ********:********	
	AR2 AR2'	LTLRSAGDLTLGGVAQAGRDIALTATGNLNNGAQVVAARDLGVQAASATNASDATLGAKR IDLRSTGDLAVAGVVQADRNVVLSATGALTNAAQVVAGDGLTATATSASNTATGVLLAQG : ***:***:**.**.**.**.***************	
	AR2 AR2'	DLRVDVAGGLDNLGSLHGERGLSLTSGSLLQRGRVYSGDALSIASNGAFENAGQLVSGKA NATLSIAGLLDNAGAVRAGHQLSLGVGSLRQTGQAYGLQRLGVSASGAVDNRGDLIGGNA : :::** *** *:::: *** *** *::*: *.:*:*:*:*	
	AR2 AR2'	LSITAGSIVSNGQLGSVTGALTLTSQNDIALQGVVSAATTLQATAGGDLSQAGTLSAQ-T LRVEAAQLSSSGQLGSERGDVALISRGNLQLDGRLASAGALTAQADGALTQNGNLSAAST * : *: *.**** * ::: *:: *:* ::: *: * * *.* *:* *	
	AR2 AR2'	VALQAGRDLVAGGTLQSASTLDVQAQRTLSLNGQAQAGTDASLHGNRIATGRDAVLKSGG LDLRSKGDLTVAG-QVAGQQLTLVSDAVVRQQG-TVSGTTVDVQGARIENAGQTTAAG : *:: *** : * : :: :* : :**:* **:.*	
	AR2 AR2'	AITLDGAAIDSRGTLDAGTDLAVRSTGDLALAGVAQANGDVVLSASGALGN-ASQVFA NLSLRAGEIGITGTVGAGINADGSLGSGSMLSLVADRQLAASGTLLAGGNLTAQGSQLQL ::* *. **:.** * :: * . *:*. * * * * *	
	AR2 AR2'	GRDLSLQAGSINNAAAGALAAAGGVTLATGTLQNVGSLQSSGDLRITAASMDQSGTAV AGATTRATGNVALTSGGALDHRGGNLLAGGTLTVQAIGAIDN-GRLNNVGGQLQANQLSI . : :*.: ::.*** ** ** *:* :*::. **:: . ::	
	AR2 AR2'	AGKALTATVTGTLDNRGSLI 494 DGGSLSN-VGGGLVQSGTGA 494 * :*: * * * : *:	

**Fig. S1. XacFhaB sequence alignments.** The sequences of XacFhaB and Fha1 from Xcv (a) and AR2 and AR2' (b) were aligned with ClustalW2.