

xcc6012	1	ATGTCACGCTCGCACGGCTCGCACCGCGGCCGAT	ACCGAGCTGTT	CGCCGACACGCT	CAGCTGCAGCTGCCCTGCCGGCTTCCACGTACGG	100	
xc2249		ATGTCACGCTCGCACGGCTCGCACCGCGGCCGAT	ACCGAGCTGTT	CGCCGACACGCT	CAGCTGCAGCTGCCCTGCCGGCTTCCACGTACGG		
xac1971	1	ATGAGCGCGCTCGGCACACTCGGCCAT	CCGGCAT	GCCGAACCTGTT	CGCCGACACGCT	CAGTTGCCAATTGCAAGTTACCGGGGGCTTCCGGCCGGGA	100
xoo2585	1	ATGAGCACGCTCGGCACACTCGGCCAT	CTGCCGAT	GCCGAGCTGTT	CGCCGACACGCT	CAGTTGCCAGTTGCAGTTGCAGTTGCCAGTTCCGGCCGGGA	100
xcv2018	1	ATGAGCGCGCTCGGCACACTCGGCCAT	CCGGCAT	GCCGAGCTGTT	CGCCGACACGCT	CAGTTGCCAATTGCAAGTTGCAGTTGCCGGGGCTTCCGGCCGGGA	100
xcc6012	101	CGCACCCCGGCTCGCACGCCACTGCCGAAACCT	ATTGCCGAGCCTCGGCCAGGTCGAAGACCTGCC	CAGCGAACAGA	CAGCAGCGAGGAGCCGGGAGCT	200	
xc2249		CGCACCCCGGCTCGCACGCCACTGCCGAAACCT	ATTGCCGAGCCTCGGCCAGGTCGAAGACCTGCC	CAGCGAACAGA	CAGCAGCGAGGAGCCGGGAGCT		
xac1971	101	GCGATGCAGGGCGCAAAGCGCCAGAAACCT	TGTCGCACT	CTCGGCCAGGTCGAAGACCTGCC	AAGCGAACAGA	AACCGGGGAAGACCCGGGAAACT	200
xoo2585	101	GCGACCCGGGCACAGCGCCAGAAACCT	ATTGCCGAGCCTCGGCCAGGTCGAAGACCTGCC	TAGCGAGGA	AACCGGGGAAGACCCGGGAAACT	200	
xcv2018	101	GCGATGCCGGCGCACAGCGCCGCTGAAACCT	TGTCGCACT	CTTGCCAGGTCGAAGACCTGCC	TAGCGAGGA	AACCGGGGAAGACCCGGGAAACT	200
		V71					
xcc6012	201	GCCGCTGCTCGTGCAGCGCATGGACGCCAAACT	CGACCTCAT	CCTGGCCCTGATCGGCCCTGGT	CCGCCAGAGCGACACC	CCGCCCTGGCGCTGGGCACG	300
xc2249		GCCGCTGCTCGTGCAGCGCATGGACGCCAAACT	CGACCTCAT	CCTGGCCCTGATCGGCCCTGGT	CCGCCAGAGCGACACC	CCGCCCTGGCGCTGGGCACG	
xac1971	201	ACCGCTGCTCGTGCAGCGCATGGACGCCAAACT	TGGATTGAT	GCTGGCGCTGATCGGCCCTGGT	CGCCAGGGCGACAGCGGGCTGAGCCAGGGCATG	300	
xoo2585	201	CCGCTGCTCGTGCAGCGCATGGACGCCAAACT	TGCAATTGAT	GCTCGCGCTGATCGGCCCTGGT	CGCCACGGCGACAGCGGGCTGAGCCAGGGCTTG	300	
xcv2018	201	CCGCTGCTCGTGCAGCGCATGGACGCCAAACT	TGGATTGAT	GCTGGCGCTGATCGGCCCTGGT	CGCCAGGGCGACAGCGGGCTGAGCCAGGGAAATG	300	
xcc6012	301	GTGCATTGGTCGGTGCAGGGCATCCGGCTGGCCAGCCCCGGCACGGCACCCCGCC	CGGCACAAC	TGGCAGCGTTCTGCTGAGCCGTCGGACTGGCTTCCTG	400		
xc2249		GTGCATTGGTCGGTGCAGGGCATCCGGCTGGCCAGCCCCGGCACGGCACCCCGCC	ACAAC	TGGCAGCGTTCTGCTGAGCCGTCGGACTGGCTTCCTG			
xac1971	301	GTGCATTGGTCGGTACGGGCATCCGGCTGAGTTGCGCAAC	CAGCCACCCACCGGGCACAAACGGGAGCGCTT	TGCGCTGAGCCGTCGGACTGGCTTCCTG	400		
xoo2585	301	GTACGTTGGTCGGTGCAGGGCATTGGCTGAGTTGCGCAAGCAGCCACGCA	ACCGCACCAACT	GGCAGTGTGTTGTTGAGCCATCGGATTTGGCTTCCTG	400		
xcv2018	301	GTGCATTGGTCGGTGCAGGGATCCGGCTGAGTTGCGCAACCAAGTCACCCGGCC	GGCACAAACCGGGCCGTT	TGCGCTGAGCCGTCGGACTGGCTTCCTG	400		
xcc6012	401	AATTGTTACAACTGCCTGCCAGCTCTGGCGAGCGCAAGCGATGGT	CAACAGCACTGGCTGTT	ACGCTTTGCCCACT	GGGGACCGGTCTGCAGGA	500	
xc2249		AATTGTTACAACTGCCTGCCAGCTCTGGCGAGCGCAAGCGATGGT	CAACAGCACTGGCTGTT	ACGCTTTGCCCACT	GGGGACCGGTCTGCAGGA		
xac1971	401	AACTTGTACAGCTCCTGCCACCGTCTGGCGAGCGAGCGATGGC	CATGATGTCGGTTGCGCTCGGTTTGCGACCGCTGCCCCGGGACT	GGCTGCAGGA	500		
xoo2585	401	AACTTGTACAGCTCCTGCCACCGTCTGGCGAGCGAGCGATGGC	CACGATGTCGGCTGCGCTGCGTTTGCGCCCCGCTTGCGCCGGGCTGCAGGA	500			
xcv2018	401	AACTTGTACAGCTCCTGCTACCGTCTGGCGAACCGAGCGAGCGATGGC	CACGATGTCGGCTGCGTTTGCGCCCCGCTGCAGGA	500			
xcc6012	501	CGCCCTGGAACGTCACTGTTCGTTCGATCGCCGTCAGATCGCCGACCGCCG	TGCCCAAGCCCTGA	567			
xc2249		CGCCCTGGAACGTCACTGTTCGTTCGATCGCCGTCAGATCGCCGACCGCCG	TGCCCAAGCCCTGA				
xac1971	501	CGCCCTGGAACGCCACCTGTTCGCTTGCACTGCCGTCAGATCGCCGACGCCG	CGCCCAAGCGTTGA	567			
xoo2585	501	CGCCCTGGAACGCCACCTGTTCGATCGCCGTCAGGTAGCCGACGCCG	CGCCCAAGCGCTGA	567			
xcv2018	501	CGCCCTGGAACGCCACCTGTTCGATCGCCGTCAGATCGCCGACGCCG	CGCCCAAGCGCTGA	567			

Fig. S1a

XCC6012	1	MSTLGT LAPAADTELFADTLSC ELRLPAGFH VTADPGSHATAETLLRSLGQVEDLRSEDSSEERGELPLL	70
XC2249	1	MSTLGT LAPAADTELFADTLSC ELRLPAGFH VTADPGSHATAETLLRSLGQVEDLRSEDSSEERGELPLL	70
XAC1971	1	MSALGT LAPSADAELFADTLSC QLQLPAGFRAGSDAGAQSAAETLLRSLGQVEDLRSEETGEDRGELPLL	70
XOO2585	1	MSTLGT LAPSADAELFADTLSC ELQLPASFRAGSDAGTHSAAETLLRSLGQVEDLRSEETSEDRGELPLL	70
XCV2018	1	MSALGT LAPSADAELFADTLSC QLQLPAGFRAGSDAGAHSAAETLLRSLGQVEDLRSEETSEDRGELPLL	70
XCC6012	71	VQRMDAKLDL I LAL I GRL VRQSDTRL ALGT VHWSVRG I RL ASPH AHP PGTTGSVLL QPSDWLPEL LQLPA	140
XC2249	71	VQRMDAKLDL I LAL I GRL VRQSDTRL ALGT VHWSVRG I RL ASPH AHP PGTTGSVLL QPSDWLPEL LQLPA	140
XAC1971	71	VQRMDAKLDLMLAL I GRL VRQGDSGLSQGMVHWSVRG I RLS CATSHPPGTTGSVCL QPSDWLPEL VQLPA	140
XOO2585	71	VQRMDAKLDLMLAL I GRL VRQGDSGLSQGMVHWSVRG I RLS SCASSHAPGTTGSVCL QPSDWLPEL VQLPA	140
XCV2018	71	VQRMDAKLDLMLAL I GRL VRQGDSGLSQGMVHWSVRG I RLS CATSHPPGTTGAVCL QPSDWLPEL VQLPA	140
XCC6012	141	DVLASASDGQQH WLRFAPL GTGL QDALERHL FRLHRRQI ADARRQR	188
XC2249	141	DVLASASDGQQH WLRFAPL GTGL QDALERHL FRLHRRQI ADARRQR	188
XAC1971	141	TVLANASDGHDWLWLRFAPLAPGL QDALERHL FRLHRRQI ADARRQR	188
XOO2585	141	TVLASASDGHDWLWLRFAPLAPGL QDALERHL FRLHRRQVADARRQR	188
XCV2018	141	TVLANASDGHDWLWLRFAPLAPGL QDALERHL FRLHRRQI ADARRQR	188

Fig. S1b



Gene name	Gene product	Gene number in Xcc17	Gene number in Xcc8004	Gene number in Xac306	Gene number in Xoo ATCC10331	Gene number in Xcv 85-10
<i>fliC</i>	flagellin	XCC1884	XC2245	XAC1975	XOO2581	XCV2022
<i>fliD</i>	flagellar capping protein	XCC1883	XC2246	XAC1974	XOO2582	XCV2021
<i>fliS</i>	flagellin-specific chaperone FlIS	XCC6015	XC2247	XAC1973	XOO2583	XCV2020
	hypothetical protein	XCC6014	XC2248	XAC1972	XOO2584	XCV2019
<i>pilZ</i>	XCC6012 homolog	XCC6012	XC2249	XAC1971	XOO2585	XCV2018
	LuxR family two-component response regulator	XCC1882	XC2250	XAC1970	XOO2586	XCV2017
<i>rpoN</i>	RNA polymerase σ-54 factor	XCC1881	XC2251	XAC1969	XOO2587	XCV2016
	putative two-component response regulator	XCC1880	XC2252	XAC1968	XOO2588	XCV2015
<i>fleQ</i>	σ-54 dependent transcriptional activator FleQ	XCC1879	XC2253	XAC1967	XOO2589	XCV2014

Fig. S1c

