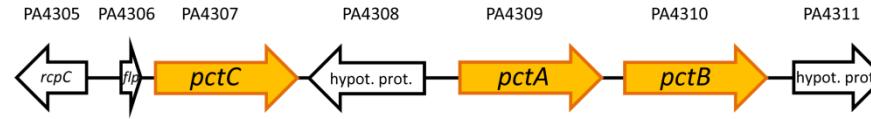


Fig.S2

A



B

	10	20	30	40	50	60	70
<b>PctA</b>	MIKSLKFSHK	ILAAASLVVFAAFALF	TLYNDYLQRNAIREDLESYLREMGDVTSSNIQNWLGRRLLLVEQ				
<b>PctB</b>	MIKSLKFSHK	ILAAALVVIATFSLF	TLYNDYSLQRASIREDLEDYLHEMGEITASNQVNWLSGRILLIEN				
<b>PctC</b>	MLRSLSFAKK	ILAAALVVVFAFSCF	ILYNDYRQREAVRTDTENYLGEIGTLTASNIQSWLEGRMHLVVEG				
	80	90	100	110	120	130	140
<b>PctA</b>	TAQTLARDHSP--ETVSALLEQPALSTFSFTYLGGQD--GVFTMRPDSMPAGYDPRSRPWYKDAVAAGG						
<b>PctB</b>	LAQTLARDHSP--ETTQALLEQPLLGSTFLFTYLGGTD--GTYTARPTSDLPADYDPRRRPWYNAATSAGQ						
<b>PctC</b>	LASQLALLDQPDEANIRQLEQPVFSRNFASVYLGEAASGFTMRPHYDAMPEGYDPRTRAWYKDALAADR						
	150	160	170	180	190	200	210
<b>PctA</b>	LTLTEPYVDAAEQELIITAATPVKAAGNTLGVVGGDLSLKTIVQIINSLDFSGMGYAFVLSVGDGKILVHP						
<b>PctB</b>	TTLTEPYMEPAIHELVLVLTIASPARQGGQPFVGGDLSLQTVVKIINSLDFSGMGYAFVLSVGDGKILVHP						
<b>PctC</b>	LIVTEPFVDAGTGEQILAMSLPVRHAGQLLGVAAAGEWKLTLTALINSLKFDGAGYAFVLSVADAGKILLHP						
	220	230	240	250	260	270	280
<b>PctA</b>	DKEQVMKTLSEVYPQNTPKIATGFSEAEHLGHTRILAFTPKIGLPSVTWYLAISIDKDKAYAMLSKFRVS						
<b>PctB</b>	DKDQVMKSLSDVYPRNTPKIGSGFSEAEHLGNTRILSFPVKGLSGLDWYIGISVDKDKAYAMLTCLRVS						
<b>PctC</b>	DSGLVLKTLAEAYPKGAPNIVPGVHEVELDSSQFVSVFTPVKGLPGVTWYVALVDRDTAYSMLSEFRTS						
	290	300	310	320	330	340	350
<b>PctA</b>	ATAAALISIVAIVLLGLLIRLLMQPLHLMGRAMQDIAQEGDGTKRLAVTSRDEFGVLGDAFNQFVERI						
<b>PctB</b>	AIVAAALIAVVAIVLLGLLIRVLMQPLDMGRAMQDIAQEGDGTKRLKVTNSNDEFGALATISFNRFVERI						
<b>PctC</b>	AIVATLIAVVGIMLLGLLIRVLMQPLDMGRAMQDIAQEGDGTKRLKVTNSNDEFGTLANAFNRFVERI						
	360	370	380	390	400	410	420
<b>PctA</b>	HRSIREVAGTAHKLHDVSQLVVNASNSSMANSDEQSNRTNSVAAAINELGAAAQEIARNAADASHHASDA						
<b>PctB</b>	HESIREVAGTARQLHDVAQLVVNASNSSMANSDEQSNRTNSVAAAINELGAAAQEIARNAADASHHASDA						
<b>PctC</b>	HESIREVAGTARQLHDVAQLVVNASNSSMANSDEQSNRTNSVAAAINELGAAAQEIARNAADASHHASDA						
	430	440	450	460	470	480	490
<b>PctA</b>	NHQAEDGKQVVEQTIRAMNELSEKISASCANIEALNSRTVNIQILEVIKIGISEQTNLLALNAAIEAARA						
<b>PctB</b>	NHQAEDGKQVVEQTIRAMNELSEKISASCANIEALNSRTVNIQILEVIKIGISEQTNLLALNAAIEAARA						
<b>PctC</b>	NHQAEDGKQVVEQTIRAMNELSEKISASCANIEALNSRTVNIQILEVIKIGISEQTNLLALNAAIEAARD						
	500	510	520	530	540	550	560
<b>PctA</b>	GEAGRGFAVVAVEVRNLAHRAQESAQQIQKMIIEELQVGAREAVATMTESQRYSLVESVEIANRAGESLSV						
<b>PctB</b>	GEAGRGFAVVAVEVRNLAHRAQESAQQIQKMIIEELQIGAQEAVSMTESQRYSLVESVEIANRAGERLSV						
<b>PctC</b>	GEAGRGFAVVAVEVRNLAHRAQESAQQIQKMIIEELQVGAREAVATMTESQRYSLVESVEIANRAGERLSV						
	570	580	590	600	610	620	630
<b>PctA</b>	TRRIGEIDGMNQVLATATEEQTAVVDSLNM DITEINTLNQEGVENLQATLRACGELETQAGRRLQLVDSFKI						
<b>PctB</b>	TGRIAEIDGMNQSVATATEEQTAVVDSLNM DITEINTLNQEGVENLQATLRACGELETQAGRRLQLVDSFKI						
<b>PctC</b>	TSRIGEIDSMNQCVATATEEQTAVVDSLNM DITEINTLNQEGVENLQATLRACGELETQAGRRLHLVDSFKI						