

Bacillus toyonensis LY557_plcA-1

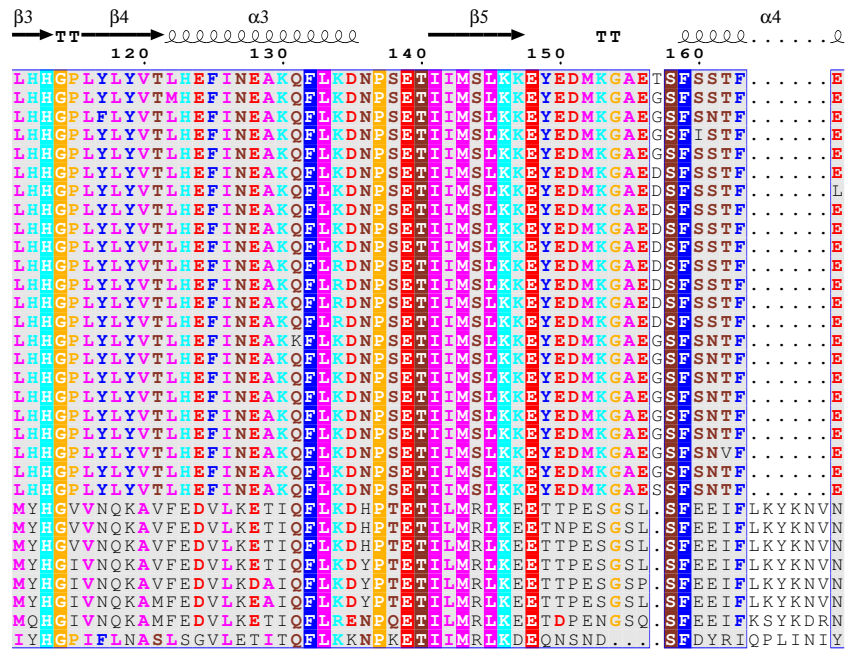
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<i>Bacillus toyonensis</i> LY557_plcA-1	MNNKKF	ILKLFICSMVLS	TFVF	AFNDKKT	VAASSINEL	ENWSKWMQPIRDDI	
<i>Bacillus cereus</i> LY7_plcA-1	MSSKKF	ILKLFICSTFI	TFVF	ALHDKQV	VAAISVNELE	NWSKWMQPIPDNI	
GCA_001044745.1_ASM104474v1_plcA-1	MSNKKF	ILKLFICSMIFI	TSVF	ALHDKQV	VAASSVIELE	NWSKWMQPIPDNI	
<i>Bacillus thuringiensis</i> LY178_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKRV	VAASSVNELE	NWSKWMQPIPDNI	
<i>Bacillus thuringiensis</i> LY5_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKRV	VAASSVNELE	NWSKWMQPIPDNI	
<i>Bacillus cereus</i> 1GYM:A|PDBID|CHAIN|	.....	.....	.....	.....	ASSVNELE	NWSKWMQPIPDSI	
<i>Bacillus thuringiensis</i> LY6_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKRV	VAASSVNELE	NWSKWMQPIPDSI	
<i>Bacillus thuringiensis</i> LY1_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKRV	VAASSVNELE	NLSKWMQPIPDNI	
GCA_001044955.1_ASM104495v1_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKRV	VAASSVNELE	NLSKWMQPIPDNI	
GCA_001044645.1_ASM104464v1_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKRV	VAASSVNELE	NLSKWMQPIPDNI	
GCA_001909175.1_ASM190917v1_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKQV	VAASSVNELE	NWSKWMQPIPDNI	
<i>Bacillus cereus</i> LY2_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKQV	VAASSVNELE	NWSKWMQPIPDNI	
<i>Bacillus cereus</i> LY460_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKQV	VAASSVNELE	NWSKWMQPIPDNI	
<i>Bacillus cereus</i> LY14_plcA-1	MSNKKL	ILKLFICSTFI	TFVF	ALHDKQV	VAASSVNELE	NWSKWMQPIPDNI	
GCA_001044475.1_ASM104447v1_plcA-1	MSSKKF	ILKLFICSTFI	TFVF	ALHDKRV	VAASSVNELE	NWSKWMQPIPDNI	
GCA_001044735.1_ASM104473v1_plcA-1	MSSKKF	ILKLFICSTFI	TFVF	ALHDQV	VAASSVNELE	NWSKWMQPIPDNI	
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GCA_002530635.1_ASM253063v1_plcA-1	MSSKKF	ILKLFICSTFI	TFVF	ALHDQV	VAASSVNELE	NWSKWMQPIPDNI	
GCA_002911655.1_ASM291165v1_plcA-1	MSSKKF	ILKLFICSTFI	TFVF	ALHDQV	VAASSVNELE	NWSKWMQPIPDNI	
GCA_003004435.1_ASM300443v1_plcA-1	MSSKKF	ILKLFICSTFI	TFVF	ALHDQV	VAASSVNELE	NWSKWMQPIPDNI	
GCA_002811445.1_ASM281144v1_plcA-1	MSSKKF	ILKLFICSTFI	TFVF	ALHDKRV	VAASSVNELE	NLSKWMQPIPDNI	
GCA_003439755.1_ASM343975v1_plcA-1	MSSKKF	ILKLFICSTFI	TFVF	ALHDKRV	VAASSVNELE	NLSKWMQPIPDNI	
GCA_001044555.1_ASM104455v1_plcA-1	MSSKKF	ILKLFICSTFI	TFVF	ALHDKQV	VATSSVNELE	NWSKWMQPIPDNI	
<i>Bacillus thuringiensis</i> LY178_plcA-2	MNK...	IKMRNFFKISILT	CITLASLSTPST	ILADSHPGYSYESNI	GYQNPSSWMSKIEDST		
<i>Bacillus thuringiensis</i> LY5_plcA-2	MNK...	IKMRNFFKISILT	CITLASLSTPST	ILADSHPGYSYESNI	GYQNPSSWMSKIEGST		
<i>Bacillus thuringiensis</i> LY1_plcA-2	MNK...	IKMRNFFKISILT	CITLASLSTPST	ILADSHPGYSYESNI	GYQNPSSWMSKIEDST		
<i>Bacillus cereus</i> LY2_plcA-2	MKK...	IKMRNFFKISILT	CITLASLSTPST	ILADSHSGYSYESNI	GYQNPSSWMSKIEDST		
<i>Bacillus cereus</i> LY7_plcA-2	MNK...	IKMRNFFKISILT	YFTLAISAPST	ILADSHPGYSYEPNI	GYQNPSSWMSKIEVADST		
<i>Bacillus toyonensis</i> LY557_plcA-2	MNK...	IKINFFKISILT	CITLASLSTPSP	ILADSHPGYSYESNI	GYQNPSSWMSKIEVADST		
<i>Bacillus cereus</i> LY460_plcA-2	MKK...	IKIKHKKFISILT	FTLASLCTTSI	VFADRHPPGYSYSDLG	GYRNPSSWMSKIEDTK		
<i>Listeria monocytogenes</i> 1AOD:A|PDBID	.....	.....	.....	.....	AVSLNNWNKPKN	SVTTKQWMSALFDDTT	

Bacillus toyonensis LY557_plcA-1

	η2	β1	η3	α1	α2	β2	TT
<i>Bacillus toyonensis</i> LY557_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus cereus</i> LY7_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
GCA_001044745.1_ASM104474v1_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus thuringiensis</i> LY178_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus thuringiensis</i> LY5_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus cereus</i> 1GYM:A|PDBID|CHAIN|	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus thuringiensis</i> LY6_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus thuringiensis</i> LY1_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
GCA_001044955.1_ASM104495v1_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
GCA_001044645.1_ASM104464v1_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
GCA_001909175.1_ASM190917v1_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus cereus</i> LY2_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus cereus</i> LY460_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus cereus</i> LY14_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
GCA_001044475.1_ASM104447v1_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
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GCA_002530625.1_ASM253062v1_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
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GCA_003439755.1_ASM343975v1_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
GCA_001044555.1_ASM104455v1_plcA-1	PLARIS	IPGTH	DSGTFKLQNP	IKQVWGMT	OYDFRY	MDHGCARIFD	RGRLTDDNTIV
<i>Bacillus thuringiensis</i> LY178_plcA-2	KISEIS	IPGTH	GTMALHGASF	LDENLTRN	QTMSLSQQLNS	GIRYVDMRVKRVKD	SFA
<i>Bacillus thuringiensis</i> LY5_plcA-2	KISEIS	IPGTH	GTMALHGASF	LDENLTRN	QTMSLSQQLNS	GIRYVDMRVKRVKD	SFA
<i>Bacillus thuringiensis</i> LY1_plcA-2	KISEIS	IPGTH	GTMALHGASF	LDENLTRN	QTMSLSQQLNS	GIRYVDMRVKRVKD	SFA
<i>Bacillus cereus</i> LY2_plcA-2	KISEIS	IPGTH	GTMALHGASF	LDENLTRN	QTMSLSQQLNS	GIRYVDMRVKRVKD	SFA
<i>Bacillus cereus</i> LY7_plcA-2	KISEIS	IPGTH	GTMALHGASF	LDENLTRN	QTMSLPQQLNS	GIRYVDMRVKRVKD	SFA
<i>Bacillus toyonensis</i> LY557_plcA-2	KLSEIS	IPGTH	GTMALHGASF	LDENLTRN	QTMSLPQQLNS	GIRYVDMRVKRVKD	SFA
<i>Bacillus cereus</i> LY460_plcA-2	RISELS	IPGTH	GSMALHGASF	LDENLTRN	QTMPLPQQLNS	GIRYVDMRVKRVKN	SFA
<i>Listeria monocytogenes</i> 1AOD:A PDBID	NLAALS	IPGTH	DTMSYNGDITWT	LTKPLAQT	QTMSLYQQLNS	EAGIRYIDRA	KDNLN

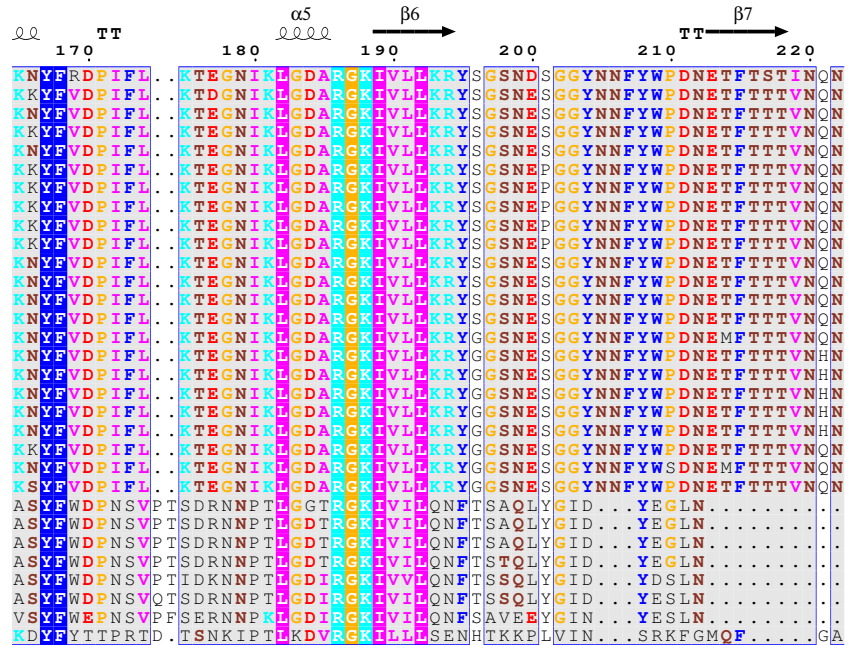
Bacillus toyonensis LY557_plcA-1

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 Bacillus_thuringiensis_LY178_plcA-1
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 Bacillus_cereus_1GYM:A|PDBID|CHAIN|
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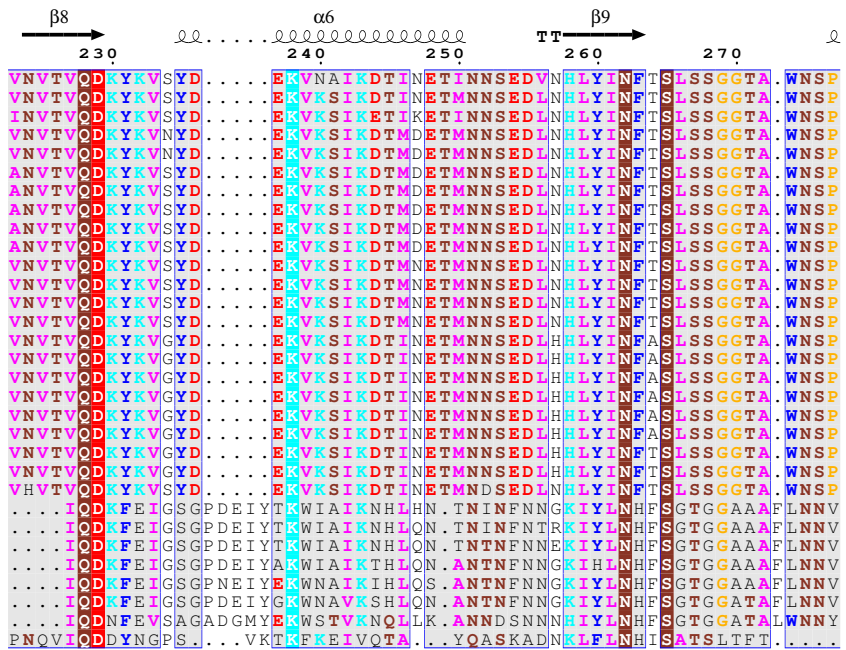
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 Bacillus_thuringiensis_LY5_plcA-2
 Bacillus_thuringiensis_LY1_plcA-2
 Bacillus_cereus_LY2_plcA-2
 Bacillus_cereus_LY7_plcA-2
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 Bacillus_cereus_LY460_plcA-2
 Listeria_monocytogenes_1AOD:A|PDBID



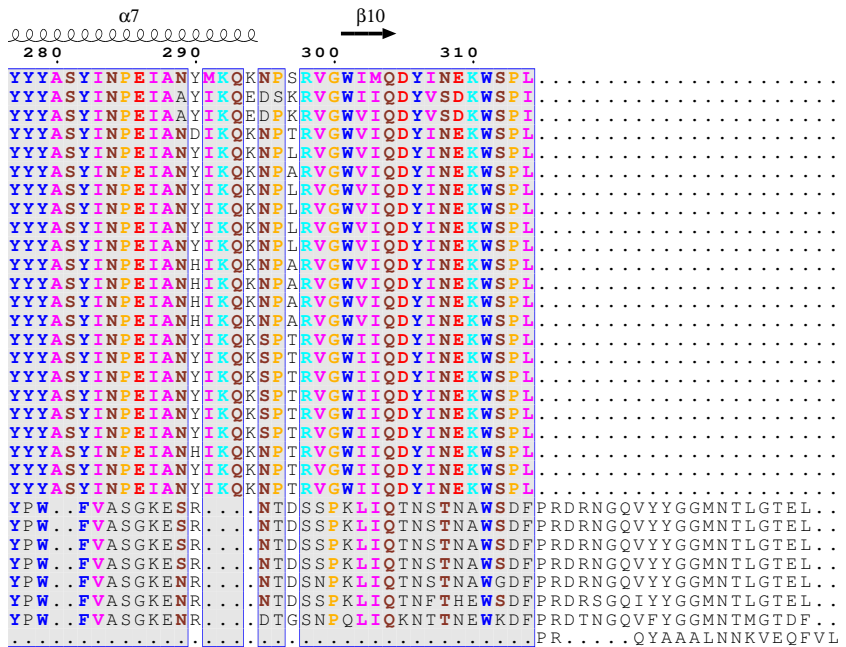
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 Bacillus_cereus_LY7_plcA-2
 Bacillus_toyonensis_LY557_plcA-2
 Bacillus_cereus_LY460_plcA-2
 Listeria_monocytogenes_1AOD:A|PDBID



Bacillus toyonensis LY557_plcA-1

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 Bacillus_cereus_LY460_plcA-1
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 Bacillus_toyonensis_LY557_plcA-2
 Bacillus_cereus_LY460_plcA-2
 Listeria_monocytogenes_1AOD:A|PDBID



	$\alpha 8$	$\eta 4$
<i>Bacillus toyonensis</i> LY557_plcA-1	Q Q Q Q Q Q Q Q Q Q	
	3 2 0	
<i>Bacillus toyonensis</i> LY557_plcA-1	LYQEVI	RANKSLVKE
<i>Bacillus cereus</i> LY7_plcA-1	LYQEVI	RANKSL
GCA_001044745.1_ASM104474v1_plcA-1	LYQEVI	RANKSL
<i>Bacillus thuringiensis</i> LY178_plcA-1	LYQEVI	RANKSLIKE
<i>Bacillus thuringiensis</i> LY5_plcA-1	LYQEVI	RANKSLIKE
<i>Bacillus cereus</i> 1GYM:A|PDBID|CHAIN|	LYQEVI	RANKSLIKE
<i>Bacillus thuringiensis</i> LY6_plcA-1	LYQEVI	RANKSLIKE
<i>Bacillus thuringiensis</i> LY1_plcA-1	LYQEVI	RANKSLIKE
GCA_001044955.1_ASM104495v1_plcA-1	LYQEVI	RANKSLIKE
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GCA_001909175.1_ASM190917v1_plcA-1	LYQEVI	RANKSLIKE
<i>Bacillus cereus</i> LY2_plcA-1	LYQEVI	RANKSLIKE
<i>Bacillus cereus</i> LY460_plcA-1	LYQEVI	RANKSLIKE
<i>Bacillus cereus</i> LY14_plcA-1	LYQEVI	RANKSLIKE
GCA_001044475.1_ASM104447v1_plcA-1	LYQEVI	RANKSLIRD
GCA_001044735.1_ASM104473v1_plcA-1	LYQEVI	RANKSLIRD
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GCA_002811445.1_ASM281144v1_plcA-1	LYQEVI	RANKSLIKE
GCA_003439755.1_ASM343975v1_plcA-1	LYQEVI	RANKSLIKE
GCA_001044555.1_ASM104455v1_plcA-1	LYQEVI	RANKSLIKE
<i>Bacillus thuringiensis</i> LY178_plcA-2	LQGGAIKHS	GI I A A D F P G P G L I D S I I K L N G I H S N E K E I L I S Q I S S E S S P L S G Q Q N R S S Q
<i>Bacillus thuringiensis</i> LY5_plcA-2	LQGGAIKHS	GI I A A D F P G P G L I D S I I K L N G I H S N E K E I L I S Q I S S E S S P L S G Q Q N R S S Q
<i>Bacillus thuringiensis</i> LY1_plcA-2	LQGGAIKHS	GI I A A D F P G P G L I D S I I K L N G I H S N E K E I L I S Q I S S E S S P L S G Q Q N R S S Q
<i>Bacillus cereus</i> LY2_plcA-2	LQGGIKHS	GI I A A D F P G P G L I D S I I E L N G I H S N E K E I L I S Q I P S E S S P L S G Q H N R S S Q
<i>Bacillus cereus</i> LY7_plcA-2	LQGGIKHS	GI I A A D F P G P G L I D S I I K L N G V H S N E K E I L I S Q I P S E S S P L S G Q K N R S S Q
<i>Bacillus toyonensis</i> LY557_plcA-2	LHGGIKHVG	GI I A A D F P G P G L I D S I I K L N G I H S N E K E L I S Q I S S E S S P L S G Q Q N R S S Q
<i>Bacillus cereus</i> LY460_plcA-2	LQGGIKHS	GI I A A D F P G P G L I D S I I K L N G I N V N E K E I L I S Q I S S D S K P L P G E K N R S S Q
<i>Listeria monocytogenes</i> 1AOD:A|PDBID	NLTSEKVB	GL L I I M D F P E K Q T I K N I I K N N K F N

<i>Bacillus toyonensis</i> LY557_plcA-1	
<i>Bacillus cereus</i> LY7_plcA-1	
GCA_001044745.1_ASM104474v1_plcA-1	
<i>Bacillus thuringiensis</i> LY178_plcA-1	
<i>Bacillus thuringiensis</i> LY5_plcA-1	
<i>Bacillus cereus</i> 1GYM:A PDBID CHAIN	
<i>Bacillus thuringiensis</i> LY6_plcA-1	
<i>Bacillus thuringiensis</i> LY1_plcA-1	
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GCA_001044645.1_ASM104464v1_plcA-1	
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<i>Bacillus cereus</i> LY2_plcA-1	
<i>Bacillus cereus</i> LY460_plcA-1	
<i>Bacillus cereus</i> LY14_plcA-1	
GCA_001044475.1_ASM104447v1_plcA-1	
GCA_001044735.1_ASM104473v1_plcA-1	
GCA_002530625.1_ASM253062v1_plcA-1	
GCA_002530635.1_ASM253063v1_plcA-1	
GCA_002911655.1_ASM291165v1_plcA-1	
GCA_003004435.1_ASM300443v1_plcA-1	
GCA_002811445.1_ASM281144v1_plcA-1	
GCA_003439755.1_ASM343975v1_plcA-1	
GCA_001044555.1_ASM104455v1_plcA-1	
<i>Bacillus thuringiensis</i> LY178_plcA-2	NFKIDSLPVGTKELKWWIEPSEKDYPTISFNVMIDVSLGIDSTRWKNISHESRTEAYTN
<i>Bacillus thuringiensis</i> LY5_plcA-2	NFKIDSLPVGTKELKWWIEPSEKDYPTISFNVMIDVSLGIDSTRWKNISHESRTEAYTN
<i>Bacillus thuringiensis</i> LY1_plcA-2	NFKIDSLPVGTKELKWWIEPSEKDYPTISFNVMIDVSLGIDSTRWKNISHESRTEAYTN
<i>Bacillus cereus</i> LY2_plcA-2	NFKIDSLPVGTKELKWWIEPSEKDYPTISFNVMIDVSLGIDSTRWKNISHESRTEAYTN
<i>Bacillus cereus</i> LY7_plcA-2	NFKIDSLPVGTKELKWWIEPSEKDYPTISFNVMIDVSLGIDSTRWKNISHESRTEAYTN
<i>Bacillus toyonensis</i> LY557_plcA-2	NFRIDNLPVGTKELKWWIEPSEKDHPTISFNVMIDVSLGIDSTRWKNISHESRTEAYTN
<i>Bacillus cereus</i> LY460_plcA-2	NFSINNLPPTIGLKWIIPTQGETSDSISFNIMVDVSLGLDRVSWSNISNESRTAADTN
<i>Listeria monocytogenes</i> 1AOD:A|PDBID	

*Bacillus toyonensis*_LY557_plcA-1

Bacillus_toyonensis_LY557_plcA-1	.....
Bacillus_cereus_LY7_plcA-1	.....
GCA_001044745.1_ASM104474v1_plcA-1	.....
Bacillus_thuringiensis_LY178_plcA-1	.....
Bacillus_thuringiensis_LY5_plcA-1	.....
Bacillus_cereus_1GYM:A|PDBID|CHAIN|	.....
Bacillus_thuringiensis_LY6_plcA-1	.....
Bacillus_thuringiensis_LY1_plcA-1	.....
GCA_001044955.1_ASM104495v1_plcA-1	.....
GCA_001044645.1_ASM104464v1_plcA-1	.....
GCA_001909175.1_ASM190917v1_plcA-1	.....
Bacillus_cereus_LY2_plcA-1	.....
Bacillus_cereus_LY460_plcA-1	.....
Bacillus_cereus_LY14_plcA-1	.....
GCA_001044475.1_ASM104447v1_plcA-1	.....
GCA_001044735.1_ASM104473v1_plcA-1	.....
GCA_002530625.1_ASM253062v1_plcA-1	.....
GCA_002530635.1_ASM253063v1_plcA-1	.....
GCA_002911655.1_ASM291165v1_plcA-1	.....
GCA_003004435.1_ASM300443v1_plcA-1	.....
GCA_002811445.1_ASM281144v1_plcA-1	.....
GCA_003439755.1_ASM343975v1_plcA-1	.....
GCA_001044555.1_ASM104455v1_plcA-1	.....
Bacillus_thuringiensis_LY178_plcA-2	TKYYIASPIGATSKFTVVKIYAITN
Bacillus_thuringiensis_LY5_plcA-2	TKYYIASPIGATRKFTVVKIYAITN
Bacillus_thuringiensis_LY1_plcA-2	TKYYIASPIGATSKFTVVKIYAITN
Bacillus_cereus_LY2_plcA-2	TKYYIASPIGATSKFTVVKIYAITN
Bacillus_cereus_LY7_plcA-2	TKYYIASPIGATNKFTVVKIYAITN
Bacillus_toyonensis_LY557_plcA-2	TKYYIASPIGATNKFTVVKIYAITN
Bacillus_cereus_LY460_plcA-2	SKYYIANPSGVNHPFTVKVYAITN
Listeria_monocytogenes_1AOD:A|PDBID	.....