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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLLTRDVLRYTSSGAAVGTFMAVNRQFTNANGDREADFVNCVLRKSAENFANFTKKGSLVGVDRGLQTR	80
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLLTKDPELRYTPNGAAVATFTLAVNRFTTNQSGEREADFINCVTWRHQAENVANFLKKGSLAGVDGRLQTR	80
NTDB id 993336 AAHT66 RS06265 WP 014665657.1	MFNQVMLVGRLLTKDPELRYTSAGAAVAHVTLAVNRSEKNASGETEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR	80
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLLTKDPELRYTSAGAAVAHVTLAVNRSEKNASGETEADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR	80
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTMILIGRLTNAPEISKTTNKSYSYVRVTLAVNRRFKNEKGEREADFTSTILWCKSAETLVSYAKKGSLISVEGEIRTR	79
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKMVIMIGRLTSTPELHKTNNNDKSVARATIAVNRRYKQDNGEREADFVNMVLWCKLAESLASYATKGSLISVDGELRTR	80
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKMVILIGRLTSTPELHKTNNNDKSVARATIAVNRRYKQDNGEREADFVNMVLWCKLAETLASYATKGSLISVDGELRTR	80
NTDB id 158 SP RS09595 WP 000282442.1	MYNKMVILIGRLTSTPELHKTNNNDKSVARATIAVNRRYKQDNGEREADFVNMVLWCKLAETLASYATKGSLISVDGELRTR	80
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKMVIMIGRLTSTPELHKTNNNDKSVARATIAVNRRYKQDNGEREADFVNMVLWCKLAETLASYATKGSLISVDGELRTR	80
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKMVIMIGRLTSTPELHKTNNNDKSVARATIAVNRRYKQDNGEREADFVNMVLWCKLAETLASYATKGSLISVDGELRTR	80
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKMVIMIGRLTSTPELHKTNNNDKSVARATIAVNRRYKQDNGEREADFVNMVLWCKLAETLASYATKGSLISVDGELRTR	80
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKMVILIGRLTAAPENVKTPSNKSVTHITLAVNRRFKTQDGERQADFVNMVFWCKLAESLVSYAGKGSLVSDGELRTR	80
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKMVILIGRLVATPEMVKTPKD KSVTRVTLAVNRRFKSQDGEKQADFVNMVLWCKLAETLASYGSKGSLISLDGELRTR	80
consensus	***!*****!!!!* *** *! * ***** *!!!!!!*** * !***!!*****!***!!***** !!!!!*****!***!!	

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NTDB id 624 LCA RS00040 WP 011373726.1	RYEKNQWVTEVLVTSFQLLESRAQRAMRENNACQ	
NTDB id 113 BSU 40900 NP 391970.1	RYEKNQWVTEVLVTSFQLLESRAQRAMRENNACQ	
NTDB id 993336 AAHT66 RS06265 WP 014665657.1	NYENQCGQRVYVTEVVVDNFSLLESRTTTEQRQCGDGA SQNFNSNQSNQSG.....QSGFTSPQQTGNAPAAANNTQADP	153
NTDB id 112 BSU 36310 NP 391512.2	NYENQCGQRVYVTEVQAESVQFLEPKNGGSGSG.....GYNEGNSGGGQYFGGGQNDNPFPGGNQNNQRRNQNSFNDDP	155
NTDB id 597 KW2 RS01935 WP 021036727.1	SYENAEQVNVYVTEVLADTVRFMDPKPREKAAD.....	113
NTDB id 498 SM12261 RS01980 WP 000282464.1	SYENEEQVNVYVTEVLADTVRFMDPKPREKAAD.....	113
NTDB id 526 SMSK321 RS08825 WP 000282440.1	NYTDKNEQKHYTEITLGLSYDLLESRA TLALRESAV.....	115
NTDB id 158 SP RS09595 WP 000282442.1	RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNACQ.....	117
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNACQ.....	117
NTDB id 227 SPD RS09110 WP 000282467.1	RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNACQ.....	117
NTDB id 193 SPR RS08685 WP 000282467.1	RFE.KNGQMNYVTEVLVTGFQLLESRAQRAMRENNACQ.....	117
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYE.KDGQTHYVTEVLAQS FQLLESRAQRALRENN GAS.....	117
NTDB id 409 SMU RS08940 WP 002263454.1	KYE.KDGVTHEVTEVLGHSFQLLESRAQRAMRENNSEN.....	117
consensus	*** **** *!!!** **********	

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NTDB id 624 LCA RS00040 WP 011373726.1	FANNGQAIDISDDDLPF	170
NTDB id 113 BSU 40900 NP 391970.1	FANDGKPIDISDDDLPF	172
NTDB id 993336 AAHT66 RS06265 WP 014665657.1		113
NTDB id 112 BSU 36310 NP 391512.2		113
NTDB id 597 KW2 RS01935 WP 021036727.1	...KTEELLLEADELPP	129
NTDB id 498 SM12261 RS01980 WP 000282464.1	...DLADLVLEEEELPF	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	...DLADLVLEEEELPF	131
NTDB id 158 SP RS09595 WP 000282442.1	...DLADLVLEEEELPF	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	...DLADLVLEEEELPF	131
NTDB id 227 SPD RS09110 WP 000282467.1	...DLADLVLEEEELPF	131
NTDB id 193 SPR RS08685 WP 000282467.1	...DLADLVLEEEELPF	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	...DLTDLVLEEEELPF	131
NTDB id 409 SMU RS08940 WP 002263454.1	...DLADLVLEEEELPF	131
consensus	*** *****	

 non conserved
 similar
 $\geq 50\%$ conserved