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NTDB id 602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	75
NTDB id 611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	75
NTDB id 376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	80
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 445 SPYM3 RS01720 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 282 KZH43 RS03215 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 246 SPD RS03495 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 244 SPR RS03300 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 242 SP RS03655 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 206900 BSR20 RS01760 WP 002886628.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 330 STU RS11365 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 298 STER RS01925 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPEDNMANSIIAQLLFDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 86 BSU 34540 NP 391334.1	MNLIP	TIVIEQTNRGERAYDIYSRLLKDRIIMLTGSAIDDNVANSIVSQLLFLAAEDPEKETISLYTNSPGGSITAG	74
NTDB id 1223 Cj0192c YP 002343650.1	MFIP	TIVIEKSSRGRERSYDIYSRLLKDRIIMLTSGEIHDELAAASIVAQLLFLAEDPTKDIYLYTNSPGGVITSG	73
consensus	***!***!!		

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NTDB id 602 KW2 RS03060 WP 011834647.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	155
NTDB id 611 V4T04 RS07970 WP 003129593.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	155
NTDB id 376 SMU RS07595 WP 255262720.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	160
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	152
NTDB id 445 SPYM3 RS01720 WP 002985850.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	152
NTDB id 282 KZH43 RS03215 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	152
NTDB id 246 SPD RS03495 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	152
NTDB id 244 SPR RS03300 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	152
NTDB id 242 SP RS03655 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	152
NTDB id 206900 BSR20 RS01760 WP 002886628.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	152
NTDB id 330 STU RS11365 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	152
NTDB id 298 STER RS01925 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSGAKKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTRNTLEK	152
NTDB id 86 BSU 34540 NP 391334.1	MAIYDTM	CFIKPKVSTICIGMAASMGAFLLAAAGEKGRYALPNSEVMIHQPLGGAQGC..QATETIEIAAKRTLLLRDKLNK		152
NTDB id 1223 Cj0192c YP 002343650.1	FSIYDTM	NYIKPFDVCTICIGQAASMGAFLLSCGABGKRFALPNSRIMIHQPLGCARG..QATDIEIQAKEILLALKTILND		151
consensus	***!***!!			

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NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNR	SLEQIHKDAERD	HWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNR	SLEQIHKDAERD	HWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSG	KTIKQIHKDAERD	YWMDAKETLKYGFIDEIMENNELK.	204
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNA	GKTIKQIHKDAERD	YWMSAETLAYGFIDEIMENNELK.	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNA	GKTIKQIHKDAERD	YWMSAETLAYGFIDEIMENNELK.	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENS	GQSMEKVHADAERD	NWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENS	GQSMEKVHADAERD	NWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENS	GQSMEKVHADAERD	NWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAENS	GQSMEKVHADAERD	NWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 206900 BSR20 RS01760 WP 002886628.1	ILADNSG	QPIEKVHVDAERD	NWMSAQETLEYGFIDEIMANNQLK.	196
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSG	QPIEKVHVDAERD	NWMSAQETLEYGFIDEIMANNQLK.	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSG	QPIEKVHVDAERD	NWMSAQETLEYGFIDEIMANNQLK.	196
NTDB id 86 BSU 34540 NP 391334.1	VLAERT	GQPLEVIERD	TDNRDKSABEALAYGLIDKILTHTEDKK	197
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNT	KIKQVAKIAKD	TERDFFMSAQBAKEYGLIDKYLEKSFK..	194
consensus	***!***!!			

 non conserved
 similar
 $\geq 50\%$ conserved