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NTDB id 602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	75
NTDB id 611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	75
NTDB id 282 KZH43 RS03215 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDSTKDIYLYVNTPGGSVSAG	72
NTDB id 246 SPD RS03495 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDSTKDIYLYVNTPGGSVSAG	72
NTDB id 244 SPR RS03300 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDSTKDIYLYVNTPGGSVSAG	72
NTDB id 242 SP RS03655 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDSTKDIYLYVNTPGGSVSAG	72
NTDB id 375431 FP510 RS07955 WP 000613483.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 330 STU RS11365 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 298 STER RS01925 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 445 SPYM3 RS01720 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	72
NTDB id 376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDNTKDIYLYINSPGGSVITS	80
NTDB id 1223 Cj0192c YP 002343650.1	MFIP	TVIEQSSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDNTKDIYLYINSPGGSVITS	73
NTDB id 86 BSU 34540 NP 391334.1	MNLIP	TVIEQTNRGERAYDIYSRLLKDRIIMLTGSAIDNANSIVSQLLFLAEDPEKEISLYINSPGGSLTAG	74
consensus		***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!	

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NTDB id 602 KW2 RS03060 WP 011834647.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	155
NTDB id 611 V4T04 RS07970 WP 003129593.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	155
NTDB id 282 KZH43 RS03215 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	152
NTDB id 246 SPD RS03495 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	152
NTDB id 244 SPR RS03300 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	152
NTDB id 242 SP RS03655 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	152
NTDB id 375431 FP510 RS07955 WP 000613483.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	152
NTDB id 330 STU RS11365 WP 002949732.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	152
NTDB id 298 STER RS01925 WP 002949732.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	152
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	152
NTDB id 445 SPYM3 RS01720 WP 002985850.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	152
NTDB id 376 SMU RS07595 WP 255262720.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHLKTRNTLEK	160
NTDB id 1223 Cj0192c YP 002343650.1	FSIYDTMNY	IKPDVCTICIGQAASMGAFLLSCGABGKR	FALPNSRIMIHQPLGGARG..QATDIEIQAKE	TLRLKTLIND		151
NTDB id 86 BSU 34540 NP 391334.1	MAIYDTMQFI	KPKVSTICIGMAASMGAFLLAAGEGKGRYALPNSE	VMIHQPLGCAQC..QATEIEIAAKRI	LLLRDKLNK		152
consensus	***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!					

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NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSLEQTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSLEQTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENSGQSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENSGQSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENSGQSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAENSGQSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 375431 FP510 RS07955 WP 000613483.1	ILADNSGQSIEKVHDDAERDRWMSAQETLDYGFIDAIMEENNLLQ.	196
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAKGTIKQTHKDAERDYWMSAETLAYGFIDEIMENNELK.	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAKGTIKQTHKDAERDYWMSAETLAYGFIDEIMENNELK.	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTIKQTHKDAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQKVAKIAKDTERDFFMSAQEAKYGLIDKYLEKSFK..	194
NTDB id 86 BSU 34540 NP 391334.1	VLAERTIGQPLEVIERDTRDRDNFKSAFEALEYGLIDKILHTEDKK	197
consensus	*!*~	

 non conserved
 similar
 $\geq 50\%$ conserved