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NTDB id 602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGPPVEDGMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id 611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGPPVEDGMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id 282 KZH43 RS03215 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPPVEDNMANSVIAQLLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 246 SPD RS03495 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPPVEDNMANSVIAQLLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 244 SPR RS03300 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPPVEDNMANSVIAQLLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 242 SP RS03655 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPPVEDNMANSVIAQLLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 330 STU RS11365 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPIEDNMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 298 STER RS01925 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPIEDNMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPPVEDNMANSIIAQLLFLDAQDS	TKDIYLYINSPGGSVSAG	80
NTDB id 1129389 GPW48 RS02820 WP 223375679.1	.MSKRSNF	MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPPVEDNMANSIIAQLLFLDAQDP	TKDIYLYVNTPGGSVSAG	79
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPPVEDNMANSVIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 445 SPYM3 RS01720 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPPVEDNMANSVIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 1223 Cj0192c YP 002343650.1	MFIPY	VIEKSSRGRERSYDIYSRLLKDRIIMLSGEIHDELAASIVAQLLFLAEADPT	TKDIYLYINSPGGVITS	73
NTDB id 86 BSU 34540 NP 391334.1	MNLIP	TYIEQTNRGERAYDIYSRLLKDRIIMLSGATDDNVANSIVSQLLFLAEDPEKEIS	LYINSPGGSITAG	74
consensus		***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!		

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NTDB id 602 KW2 RS03060 WP 011834647.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRNTLEK	155
NTDB id 611 V4T04 RS07970 WP 003129593.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRNTLEK	155
NTDB id 282 KZH43 RS03215 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 246 SPD RS03495 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 244 SPR RS03300 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 242 SP RS03655 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 330 STU RS11365 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRNNLEK	152
NTDB id 298 STER RS01925 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRNNLEK	152
NTDB id 376 SMU RS07595 WP 255262720.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	SDMAIAAEHLLKTRKKLEK	160
NTDB id 1129389 GPW48 RS02820 WP 223375679.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRNKLEK	159
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRHRLK	152
NTDB id 445 SPYM3 RS01720 WP 002985850.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQQ	TDMAIAAEHLLKTRHRLK	152
NTDB id 1223 Cj0192c YP 002343650.1	FSIYDTMNY	IKPDVCTICIGQAASMGAFLLSCGABGKRFA	LPNSRIMIHQPLGCGARG..QATDIEIQAKE	DLRLKTI	LNND	151
NTDB id 86 BSU 34540 NP 391334.1	MAIYDTMQFI	PKVSTICIGMAASMGAFLLAAGEKGRYALPNSE	VMIHQPLGCAQC..QATEIEIAAKRI	LLLRDKLNK		152
consensus	***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!					

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NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSLEQ	IKHDAERD	HWMDAKETLEYGFIDEIMENNSL	K.	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSLEQ	IKHDAERD	HWMDAKETLEYGFIDEIMENNSL	K.	199
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENSGQSMEK	VHADAERD	NWMSAQETLEYGFIDEIMANNSLN.		196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENSGQSMEK	VHADAERD	NWMSAQETLEYGFIDEIMANNSLN.		196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENSGQSMEK	VHADAERD	NWMSAQETLEYGFIDEIMANNSLN.		196
NTDB id 242 SP RS03655 WP 000613477.1	ILAENSGQSMEK	VHADAERD	NWMSAQETLEYGFIDEIMANNSLN.		196
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPIEK	VHVDAERD	NWMSAQETLEYGFIDEIMTNQLK.		196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPIEK	VHVDAERD	NWMSAQETLEYGFIDEIMTNQLK.		196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTIK	QIKHDAERD	YWMDAKETLKYGFIDEIMENNELK.		204
NTDB id 1129389 GPW48 RS02820 WP 223375679.1	ILADNSGKTIVK	QIKHDAERD	YWMSAEBETLAYGFIDQIMDN	TKVK.	203
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAGKTIK	QIKHDAERD	YWMSAEBETLAYGFIDEIMENNELK.		196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAGKTIK	QIKHDAERD	YWMSAEBETLAYGFIDEIMENNELK.		196
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQKVAK	IAKDTERD	FFMSAQEAKKEYGLIDKVLEKS	FK..	194
NTDB id 86 BSU 34540 NP 391334.1	VLAERTIGQPLEV	IERDTRD	RDNFKSABEALAYGLIDKTL	THTEDK	197
consensus	***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!				

 non conserved
 similar
 $\geq 50\%$ conserved