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NTDB id 602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id 611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id 282 KZH43 RS03215 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 246 SPD RS03495 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 244 SPR RS03300 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 242 SP RS03655 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 330 STU RS11365 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPTEDNMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 298 STER RS01925 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPTEDNMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	80
NTDB id 51482 SSUST1 RS07005 WP 002937303.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDP	TKDIYLYVNTPGGSVSAG	72
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 445 SPYM3 RS01720 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 1223 Cj0192c YP 002343650.1	MFIP	VIEKSSRGRERSYDIYSRLLKDRIIMLTSGEIHDELAASIVAQLLFLAEADPT	TKDIYLYINSPGGVITS	73
NTDB id 86 BSU 34540 NP 391334.1	MNL	IPTVIEQTNRGERAYDIYSRLLKDRIIMLTGSAIDNVAANSIVSQLLFLAEDPE	KISLYINSPGGSITAG	74
consensus		***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!		

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NTDB id 602 KW2 RS03060 WP 011834647.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	155
NTDB id 611 V4T04 RS07970 WP 003129593.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	155
NTDB id 282 KZH43 RS03215 WP 000613477.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 246 SPD RS03495 WP 000613477.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 244 SPR RS03300 WP 000613477.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 242 SP RS03655 WP 000613477.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 330 STU RS11365 WP 002949732.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNNLEQ	152
NTDB id 298 STER RS01925 WP 002949732.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNNLEQ	152
NTDB id 376 SMU RS07595 WP 255262720.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	SDMAIAAEQLLKRKKLEK	160
NTDB id 51482 SSUST1 RS07005 WP 002937303.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNKLEK	152
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRHRLK	152
NTDB id 445 SPYM3 RS01720 WP 002985850.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRHRLK	152
NTDB id 1223 Cj0192c YP 002343650.1	FSIYDTMNY	IKPDVCTICIGQAASMGAFLLSCGABGKR	FALPNSRIMIHQPLGCGARG..QATDIEIQAKE	DLRLKTIILND		151
NTDB id 86 BSU 34540 NP 391334.1	MAIYDTMQFIKPKV	STICIGMAASMGAFLLAAGEKGRYALPNSEV	MIHQPLGCAQC..QATEIEIAAKRI	LLLRDKLNK		152
consensus	***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!					

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NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSLEQ	IKHDAERDHWMDAKETLEYGFIDEIMENNSL	K.	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSLEQ	IKHDAERDHWMDAKETLEYGFIDEIMENNSL	K.	199
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENSGQSMEK	VHADAERDNWMSAQETLEYGFIDEIMANNSLN.		196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENSGQSMEK	VHADAERDNWMSAQETLEYGFIDEIMANNSLN.		196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENSGQSMEK	VHADAERDNWMSAQETLEYGFIDEIMANNSLN.		196
NTDB id 242 SP RS03655 WP 000613477.1	ILAENSGQSMEK	VHADAERDNWMSAQETLEYGFIDEIMANNSLN.		196
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPIEK	VHDAERDNWMSAQETLEYGFIDEIMTNQLK.		196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPIEK	VHDAERDNWMSAQETLEYGFIDEIMTNQLK.		196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTIKQ	IKHDAERDYWMDAKETLKYGFIDEIMENNELK.		204
NTDB id 51482 SSUST1 RS07005 WP 002937303.1	ILADNSGKTIVKQ	IKHDAERDYWMSAEBETLAYGFIDQIMDNTKVK.		196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAGKTIKQ	IKHDAERDYWMSAEBETLAYGFIDEIMENNELK.		196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAGKTIKQ	IKHDAERDYWMSAEBETLAYGFIDEIMENNELK.		196
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQKVAK	IAKDTERDFMSAQEAKKEYGLIDKVLEKSFK..		194
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGQPLEV	IERDTRDNRNFKSABEALAYGLIDKTLTHTEDK		197
consensus	***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!			

 non conserved
 similar
 $\geq 50\%$ conserved