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NTDB id 602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id 611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id 282 KZH43 RS03215 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 246 SPD RS03495 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 244 SPR RS03300 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 242 SP RS03655 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id 330 STU RS11365 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPTEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 298 STER RS01925 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPTEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	80
NTDB id 252386 CR542 RS04075 WP 002937303.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDP	TKDIYLYVNTPGGSVSAG	72
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 445 SPYM3 RS01720 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSVIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 1223 Cj0192c YP 002343650.1	MFIP	VIEKSSRGRERSYDIYSRLLKDRIIMLTSGEIHDELAASIVAQLLFLEAEDPT	TKDIYLYINSPGGVITS	73
NTDB id 86 BSU 34540 NP 391334.1	MNL	IPPTVIEQTNRGERAYDIYSRLLKDRIIMLTGSAIDNVAANSIVSQLLFLAEDPE	KISLYINSPGGSITAG	74
consensus		***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!		

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NTDB id 602 KW2 RS03060 WP 011834647.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	155
NTDB id 611 V4T04 RS07970 WP 003129593.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	155
NTDB id 282 KZH43 RS03215 WP 000613477.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 246 SPD RS03495 WP 000613477.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 244 SPR RS03300 WP 000613477.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 242 SP RS03655 WP 000613477.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152
NTDB id 330 STU RS11365 WP 002949732.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNNLEK	152
NTDB id 298 STER RS01925 WP 002949732.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNNLEK	152
NTDB id 376 SMU RS07595 WP 255262720.1	LAIVDTMNF	IKSDVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	SDMAIAAEQLLKRKKLEK	160
NTDB id 252386 CR542 RS04075 WP 002937303.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNKLEK	152
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRHRLK	152
NTDB id 445 SPYM3 RS01720 WP 002985850.1	LAIVDTMNF	IKADVQ	TIVMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRHRLK	152
NTDB id 1223 Cj0192c YP 002343650.1	FSIYDTMNY	IKPDVCTICIGQAASMGAFLLSCGABGKR	FALPNSRIMIHQPLGCGARG..QATDIEIQAKE	DLRLKTIILND		151
NTDB id 86 BSU 34540 NP 391334.1	MAIYDTMQFI	KPKVSTICIGMAASMGAFLLAAGEKGRYALPNSE	VMIHQPLGCAQC..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	VHVDAERDNWMSAQETLEYGFIDEIMTNQLK.		196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPIEK	VHVDAERDNWMSAQETLEYGFIDEIMTNQLK.		196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTIK	QIKHDAERDYWMDAKETLKYGFIDEIMENNELK.		204
NTDB id 252386 CR542 RS04075 WP 002937303.1	ILADNSGKTIVK	QIKHDAERDYWMSAEBETLAYGFIDQIMDNTKVK.		196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAGKTIK	QIKHDAERDYWMSAEBETLAYGFIDEIMENNELK.		196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAGKTIK	QIKHDAERDYWMSAEBETLAYGFIDEIMENNELK.		196
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQKVAK	IAKDTERDFMSAQEAKKEYGLIDKVLEKSFK..		194
NTDB id 86 BSU 34540 NP 391334.1	VLAERTIGQPLEV	IERDTRDRDNFKSABEALAYGLIDKILTHTEDK		197
consensus	***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!			

 non conserved
 similar
 $\geq 50\%$ conserved