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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		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPIEDNMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 298 STER RS01925 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGPIEDNMANSIIAQLLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDN	TKDIYLYINSPGGSVSAG	80
NTDB id 298259 A7J09 RS04760 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	VIEKSSRGRERSYDIYSRLLKDRIIMLSGEIHDELAASIVAQLLFLAEADPT	TKDIYLYINSPGGVITS	73
NTDB id 86 BSU 34540 NP 391334.1	MNL	IPPTVIEQTNRGERAYDIYSRLLKDRIIMLSGAIIDNVANSIVSQLLFLAAEDPE	KIISLYINSPGGSITAG	74
consensus		***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!		

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NTDB id 602 KW2 RS03060 WP 011834647.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	155	
NTDB id 611 V4T04 RS07970 WP 003129593.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	155	
NTDB id 282 KZH43 RS03215 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152	
NTDB id 246 SPD RS03495 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152	
NTDB id 244 SPR RS03300 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152	
NTDB id 242 SP RS03655 WP 000613477.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNTLEK	152	
NTDB id 330 STU RS11365 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNNLEK	152	
NTDB id 298 STER RS01925 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNNLEK	152	
NTDB id 376 SMU RS07595 WP 255262720.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	SDMAIAAEQLLKRKKLEK	160	
NTDB id 298259 A7J09 RS04760 WP 002937303.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRNKLEK	152	
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRHRLK	152	
NTDB id 445 SPYM3 RS01720 WP 002985850.1	LAIVDTMNF	IKADVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQ	TDMAIAAEHLLKTRHRLK	152	
NTDB id 1223 Cj0192c YP 002343650.1	FSIYDTM	NYIKPDV	CTICIGQAASMGAFLLSCGABGKRF	ALPNSRIMIHQPLGCGARG..	QATDIEIQAKEILRLKTI	LND	151
NTDB id 86 BSU 34540 NP 391334.1	MAIYDTM	QFIKPKV	STICIGMAASMGAFLLAAGEKGRY	ALPNSEVMIHQPLGGAQC..	QATEIEIAAKRIILLRDK	LNK	152
consensus	***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!						

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NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNR	SLEQIHKDAERD	HWM	DAKETLEYGFIDEIMENNS	SLK.	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNR	SLEQIHKDAERD	HWM	DAKETLEYGFIDEIMENNS	SLK.	199
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENSGQ	SMEKVHADAERD	NWMSA	QETLEYGFIDEIMANNS	SLN.	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENSGQ	SMEKVHADAERD	NWMSA	QETLEYGFIDEIMANNS	SLN.	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENSGQ	SMEKVHADAERD	NWMSA	QETLEYGFIDEIMANNS	SLN.	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAENSGQ	SMEKVHADAERD	NWMSA	QETLEYGFIDEIMANNS	SLN.	196
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQ	PIEKVHVDAERD	NWMSA	QETLEYGFIDEIMTNQL	KLK.	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQ	PIEKVHVDAERD	NWMSA	QETLEYGFIDEIMTNQL	KLK.	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGK	TIKQIHKDAERD	YWM	DAKETLKYGFIDEIMENNEL	K.	204
NTDB id 298259 A7J09 RS04760 WP 002937303.1	ILADNSGK	TVKQIHKDAERD	YWSA	EBETLAYGFIDQIMDN	TKVK.	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAGK	TIKQIHKDAERD	YWSA	EBETLAYGFIDEIMENNEL	K.	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAGK	TIKQIHKDAERD	YWSA	EBETLAYGFIDEIMENNEL	K.	196
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIK	QKVAKIAKDTERD	FFMSAQEAK	EYGLIDKYLEKS	FFK..	194
NTDB id 86 BSU 34540 NP 391334.1	VLAERTIGQ	PLEVIERD	TRDRDNFKSABE	EALEYGLIDKILTHTED	KK	197
consensus	***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!					

 non conserved
 similar
 $\geq 50\%$ conserved