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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 1159875 QWI70 RS08245 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	MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	80
NTDB id 1223 Cj0192c YP 002343650.1	MFIP	TVIEQSSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	73
NTDB id 86 BSU 34540 NP 391334.1	MNLIP	TVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFLDAQDNTKDIYLYVNTPGGSVSAG	74
consensus		***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!	

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NTDB id 602 KW2 RS03060 WP 011834647.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	155
NTDB id 611 V4T04 RS07970 WP 003129593.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	155
NTDB id 282 KZH43 RS03215 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	152
NTDB id 246 SPD RS03495 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	152
NTDB id 244 SPR RS03300 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	152
NTDB id 242 SP RS03655 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	152
NTDB id 1159875 QWI70 RS08245 WP 000613483.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	152
NTDB id 330 STU RS11365 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	152
NTDB id 298 STER RS01925 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	152
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	152
NTDB id 445 SPYM3 RS01720 WP 002985850.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	152
NTDB id 376 SMU RS07595 WP 255262720.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSCAKGRF	MPLPNAEYMIHQPMGGTGGGTQQTDM	IAAEHL	LKTRNTLEK	160
NTDB id 1223 Cj0192c YP 002343650.1	FSIYDTMNY	IKPDVCTICIGQAASMGAF	LLSCGABGKRFALPNSRIMIHQPLG	GCARG..QATDIEIQAKE	TLRLKTI	LND	151
NTDB id 86 BSU 34540 NP 391334.1	MAIYDTMQFI	PKVSTICIGMAASMGAF	LLAAGEGKGRYALPNSEVMIHQPLG	CAQC..QATEIEIAAKRI	LLLRDK	LNK	152
consensus		***!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!**!!					

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NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSL	EQIHKDAERD	HWM	DAKETLEYGFIDEIMENNS	SLK.	199	
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL	EQIHKDAERD	HWM	DAKETLEYGFIDEIMENNS	SLK.	199	
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENSGQS	SMEKVHADAERD	NWMSAQETLEYGFIDEIMANNS	SLN.	196		
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENSGQS	SMEKVHADAERD	NWMSAQETLEYGFIDEIMANNS	SLN.	196		
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENSGQS	SMEKVHADAERD	NWMSAQETLEYGFIDEIMANNS	SLN.	196		
NTDB id 242 SP RS03655 WP 000613477.1	ILAENSGQS	SMEKVHADAERD	NWMSAQETLEYGFIDEIMANNS	SLN.	196		
NTDB id 1159875 QWI70 RS08245 WP 000613483.1	ILADNSGQS	SLIEKVHDDAERDR	WMSAQETLDYGFIDA	IMENNNLQ.	196		
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQP	SLIEKVHVDAERD	NWMSAQETLEYGFIDEIMTNN	QLK.	196		
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQP	SLIEKVHVDAERD	NWMSAQETLEYGFIDEIMTNN	QLK.	196		
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAKGT	IKQIHKDAERDY	WMSABETLAYGFIDEIMENNEL	KL.	196		
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAKGT	IKQIHKDAERDY	WMSABETLAYGFIDEIMENNEL	KL.	196		
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKT	IKQIHKDAERDY	WMDAKETLKYGFIDEIMENNEL	KL.	204		
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQ	KVAKIAKDT	ERDFMSAQEAK	EYGLIDK	VLEKSFK.	194	
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGQP	LEVIERD	TRDRNFKSAFE	ALEYGLIDK	ILTHTED	KK	197
consensus	*!*						

 non conserved
 similar
 $\geq 50\%$ conserved