

NTDB id 602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRL	LKDRIIMLTGPVED	GMAN	SIIAQLLF	FLDAQDN	TKDIYLYVNT	PGGSVSAG	75
NTDB id 611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRL	LKDRIIMLTGPVED	GMAN	SIIAQLLF	FLDAQDN	TKDIYLYVNT	PGGSVSAG	75
NTDB id 330 STU RS11365 WP 002949732.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGP	IEDNMANS	SIIAQLLF	FLDAQDN	TKDIYLYVNT	PGGSVSAG
NTDB id 298 STER RS01925 WP 002949732.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGP	IEDNMANS	SIIAQLLF	FLDAQDN	TKDIYLYVNT	PGGSVSAG
NTDB id 282 KZH43 RS03215 WP 000613477.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVEDNMANS	VIAQLLF	FLDAQDS	TKDIYLYVNT	PGGSVSAG	72
NTDB id 246 SPD RS03495 WP 000613477.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVEDNMANS	VIAQLLF	FLDAQDS	TKDIYLYVNT	PGGSVSAG	72
NTDB id 244 SPR RS03300 WP 000613477.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVEDNMANS	VIAQLLF	FLDAQDS	TKDIYLYVNT	PGGSVSAG	72
NTDB id 242 SP RS03655 WP 000613477.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVEDNMANS	VIAQLLF	FLDAQDS	TKDIYLYVNT	PGGSVSAG	72
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVEDNMANS	VIAQLLF	FLDAQDN	TKDIYLYVNT	PGGSVSAG	72
NTDB id 445 SPYM3 RS01720 WP 002985850.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVEDNMANS	VIAQLLF	FLDAQDN	TKDIYLYVNT	PGGSVSAG	72
NTDB id 376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVEDNMANS	SIIAQLLF	FLDAQDN	TKDIYLY	INSPGGSVSAG	80
NTDB id 1223 Cj0192c YP 002343650.1	MFIP	YVIEKSSRGRS	YDIYSRL	LKDRIIML	SGEIHDELA	ASIV	AQLLFLEA	EDPTKDIYLYINSPGGVITSG	73
NTDB id 966685 MKY62 RS18430 WP 003185550.1	MNL	IPTVIEQTNRGER	AYDIYSRL	LKDRIIML	GSAIDDNVANSI	VSQLLFLEA	EDPEKDISIYINSPGGSITAG	74	
NTDB id 86 BSU 34540 NP 391334.1	MNL	IPTVIEQTNRGER	AYDIYSRL	LKDRIIML	GSAIDDNVANSI	VSQLLFLA	EAEDPEKEISLYINSPGGSITAG	74	
consensus	***	* * * * *	* * * * *		***	* * * * *	* * * * *	* * * * *	

NTDB id	602	KW2 RS03060 WP 011834647.1	LAIVDTMNFIKSDVQTIIVMGMAASMGTTIASSG	TGKGRFMLPNAEYL	LHQPMMGGAGQG	GTQQTDMATVAEQ	LLKTRKRLEQ	155
NTDB id	611	V4T04 RS07970 WP 003129593.1	LAIVDTMNFIKSDVQTIIVMGMAASMGTTIASSG	TGKGRFMLPNAEYL	LHQPMMGGTGQG	GTQQTDMATVAEQ	LLKTRKRLEQ	155
NTDB id	330	STU RS11365 WP 002949732.1	LAIVDTMNFIKSDVQTIIVMGMAASMGTTIASSG	TGKGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAAEHL	LKTRNNLEQ	152
NTDB id	298	STER RS01925 WP 002949732.1	LAIVDTMNFIKSDVQTIIVMGMAASMGTTIASSG	TGKGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAAEHL	LKTRNNLEQ	152
NTDB id	282	KZH43 RS03215 WP 000613477.1	LAIVDTMNFIKADVQTIIVMGMAASMGTVIASSGA	KGKRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAAEHL	LKTRNMLEK	152
NTDB id	246	SPD RS03495 WP 000613477.1	LAIVDTMNFIKADVQTIIVMGMAASMGTVIASSGA	KGKRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAAEHL	LKTRNMLEK	152
NTDB id	244	SPR RS03300 WP 000613477.1	LAIVDTMNFIKADVQTIIVMGMAASMGTVIASSGA	KGKRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAAEHL	LKTRNMLEK	152
NTDB id	242	SP RS03655 WP 000613477.1	LAIVDTMNFIKADVQTIIVMGMAASMGTVIASSGA	KGKRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAAEHL	LKTRNMLEK	152
NTDB id	446	SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNFIKADVQTIIVMGMAASMGTVIASSG	TGKGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAAEHL	LKTRHRLEK	152
NTDB id	445	SPYM3 RS01720 WP 002985850.1	LAIVDTMNFIKADVQTIIVMGMAASMGTVIASSG	TGKGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAAEHL	LKTRHRLEK	152
NTDB id	376	SMU RS07595 WP 255262720.1	LAIVDTMNFIKSDVQTIIVMGTTIASMGTIIASSGA	KGKRFMLPNAEYL	LHQPMMGGTGGGTQC	SDMAIAAEQLL	KTRKKLEK	160
NTDB id	1223	Cj0192c YP 002343650.1	FSIYDTMNYIKPDVCTICIGQAASMGAFILSCGA	EKGKRFALPNSEVM	IHQPLGGAARG..QATDIEIQAKEILRLKTI	IND		151
NTDB id	966685	MKY62 RS18430 WP 003185550.1	MAIYDTMQFIKPQVSTICTGMAASMGAFLLAAGE	EKGKRYALPNSEVM	IHQPLGGAQG..QATEIEIAAKRI	LSLRDKLNK		152
NTDB id	86	BSU 34540 NP 391334.1	MAIYDTMQFIKPQVSTICTGMAASMGAFLLAAGE	EKGKRYALPNSEVM	IHQPLGGAQG..QATEIEIAAKRI	LLLRDLKNK		152
consensus			** * * * *	* * * * *	* * * * *	* * * * *	* * * * *	

NTDB id	602 KW2 RS03060 WP 011834647.1	ILADNSNRSL [*] EQIHKDAERDHWMDAKETLEYGFIDEIMENNSLK..	199
NTDB id	611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL [*] EQIHKDAERDHWMDAKETLEYGFIDEIMENNSLK..	199
NTDB id	330 STU RS11365 WP 002949732.1	ILADNSGQPTEKHVHVD [*] AERDNWMSAQETLEYGFIDEIMTNQLK..	196
NTDB id	298 STER RS01925 WP 002949732.1	ILAENS [*] GQPIEKHVHVD [*] AERDNWMSAQETLEYGFIDEIMTNQLK..	196
NTDB id	282 KZH43 RS03215 WP 000613477.1	ILAENS [*] GQSMEKVHAD [*] AERDNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id	246 SPD RS03495 WP 000613477.1	ILAENS [*] GQSMEKVHAD [*] AERDNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id	244 SPR RS03300 WP 000613477.1	ILAENS [*] GQSMEKVHAD [*] AERDNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id	242 SP RS03655 WP 000613477.1	ILAENS [*] GQSMEKVHAD [*] AERDNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id	446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNA [*] GKTIIKQIHKDAERYWMSAEETLAYGFIDEIMENNELK..	196
NTDB id	445 SPYM3 RS01720 WP 002985850.1	ILAQNA [*] GKTIIKQIHKDAERYWMSAEETLAYGFIDEIMENNELK..	196
NTDB id	376 SMU RS07595 WP 255262720.1	IISDNSGKTIKQIHKDAERYWMDAKETLKYGFIDEIMENNELK..	204
NTDB id	1223 Cj0192c YP 002343650.1	ILAKNITKKVKVAIKDTERDFEWSAQEAKEYGLIDKVLKSFK...	194
NTDB id	966685 MKY62 RS18430 WP 003185550.1	ILAERTGGPLEVI [*] ERDTDRDNFKTAEEAKEYG [*] LIDKVLTRNIDAQK	198
NTDB id	86 BSU 34540 NP 391334.1	VLAERTGGPLEVI [*] ERDTDRDNFKSAEEALEYGLIDKILTHTEDKK.	197
consensus		* ***** **** ** *** * ***** *	

 non conserved
 similar
 $\geq 50\%$ conserved