

NTDB id	602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	75
NTDB id	611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	75
NTDB id	1130896 H0506 RS01860 WP 002949732.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGTIEDNMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	330 STU RS11365 WP 002949732.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGTIEDNMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	298 STER RS01925 WP 002949732.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGTIEDNMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	282 KZH43 RS03215 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDQAQDSTKDIIYLYVNTPGGSVSAG	72
NTDB id	246 SPD RS03495 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDQAQDSTKDIIYLYVNTPGGSVSAG	72
NTDB id	244 SPR RS03300 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDQAQDSTKDIIYLYVNTPGGSVSAG	72
NTDB id	242 SP RS03655 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDQAQDSTKDIIYLYVNTPGGSVSAG	72
NTDB id	446 SpyM6JRS4 RS01695 WP 002985850.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	445 SPYM3 RS01720 WP 002985850.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDQAQDNTKDIIYLYINSPPGGSVSAG	80
NTDB id	86 BSU 34540 NP 391334.1	MNL	IPTVIEQTNRGERAYDIYSRLKDRIIMLGSAIDNIVANSI VSQLLFLAAEDPEKEISLYINSPPGGSITAG	74
NTDB id	1223 Cj0192c YP 002343650.1	MFIPY	VIEKSSRGRSYDIYSRLKDRIIMLSGEIHDELAAASIVAQLFLLEADPETKDIIYLYINSPPGVITSG	73
consensus			**!*!*****!!*!!!!!!!!!!!!!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*	

NTDB id	602 KW2 RS03060 WP 011834647.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYLTHIQPMGGAGQG	TQTQTDMAIVAEQLLKRTRRLEQ	155
NTDB id	611 V4T04 RS07970 WP 003129593.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYLIHQPMGGTGQG	TQTQTDMAIVAEQLLKRTRRLEQ	155
NTDB id	1130896 H0506 RS01860 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYMIHQPMGGTGGGT	TQTQDMAIAAAEHLLKTRNNLEQ	152
NTDB id	330 STU RS11365 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYMIHQPMGGTGGGT	TQTQDMAIAAHLHLLKTRNMLEQ	152
NTDB id	298 STER RS01925 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYMIHQPMGGTGGGT	TQTQDMAIAAAEHLLKTRNMLEQ	152
NTDB id	282 KZH43 RS03215 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGA	KKGFRFLPNAEYMIHQPMGGTGGGT	TQTQDMAIAAAEHLLKTRNTLEK	152
NTDB id	246 SPD RS03495 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGA	KKGFRFLPNAEYMIHQPMGGTGGGT	TQTQDMAIAAAEHLLKTRNTLEK	152
NTDB id	244 SPR RS03300 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGA	KKGFRFLPNAEYMIHQPMGGTGGGT	TQTQDMAIAAAEHLLKTRNTLEK	152
NTDB id	242 SP RS03655 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGA	KKGFRFLPNAEYMIHQPMGGTGGGT	TQTQDMAIAAAEHLLKTRNTLEK	152
NTDB id	446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	TGKGRFMLPNAEYMIHQPMGGTGGGT	TQTQDMAIAAAEHLLKTRHRLEK	152
NTDB id	445 SPYM3 RS01720 WP 002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	TGKGRFMLPNAEYMIHQPMGGTGGGT	TQTQDMAIAAAEHLLKTRHRLEK	152
NTDB id	376 SMU RS07595 WP 255262720.1	LAIVDTMNFIKS	DVQTI VMGI AASMGTII ASSGT	A KGKFRLPN AEY LI HQ PMGG TGG GTQQ S D MA I AA EQ LL KR TK KE L E K		160
NTDB id	86 BSU 34540 NP 391334.1	M AI YDT M QFI KP KVSTICIGMAASMGAFLLAAGEKGRYALPNSSEVMIHQP LG GA Q G . . QA TE IE IA AK R IL LR DK LN K				152
NTDB id	1223 Cj0192c YP 002343650.1	F SI YD TM NY IK P DVCT IC IGQA AS MG AFILSLC GA EG KF RL PN SR IM IH QL PG LG AR . . QA TD IE IQ AE KL RL KT IL ND				151
consensus		* * ! * ! * ! * ! *	* ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! *	*		! * *

NTDB id	602 KW2 RS03060 WP 011834647.1	ILADNSNRSL E QTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id	611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL E QTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id	1130896 H0506 RS01860 WP 002949732.1	ILADNSGQP I EKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	330 STU RS11365 WP 002949732.1	ILADNSGQP I EKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	298 STER RS01925 WP 002949732.1	ILADNSGQP I EKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	282 KZH43 RS03215 WP 000613477.1	ILAENS G SMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	246 SPD RS03495 WP 000613477.1	ILAENS G SMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	244 SPR RS03300 WP 000613477.1	ILAENS G SMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	242 SP RS03655 WP 000613477.1	ILAENS G SMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	446 SpyM6JRS4 RS01695 WP 002985850.1	ILAAQNAGKTIKQTHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id	445 SPYM3 RS01720 WP 002985850.1	ILAAQNAGKTIKQTHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id	376 SMU RS07595 WP 255262720.1	ILSDNSGKTIKQTHKDAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id	86 BSU 34540 NP 391334.1	VLAERTTGQPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK	197
NTDB id	1223 Cj0192c YP 002343650.1	ILAKNITKQKVAKIAKDTERDFFMSAQEAKKEYGLIDKVLKSFK..	194
consensus		*!*****!!*****!*!!!!*****!*****!*****!*****!	

 non conserved
 similar
 $\geq 50\%$ conserved