

[illegible]

NTDB id	602	KW2	RS03060	WP	011834647.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYL	LHQPMGGAG	QGQTQQTDMAI	VAEQLL	KTRKRLEQ	155		
NTDB id	611	V4T04	RS07970	WP	003129593.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYL	LHQPMGGTG	QGQTQQTDMAI	VAEQLL	KTRKRLEQ	155		
NTDB id	330	STU	RS11365	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGTTGGGTQQTDMAIAAAEHLLKTRNNLEQ				152		
NTDB id	298	STER	RS01925	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGTTGGGTQQTDMAIAAAEHLLKTRNNLEQ				152		
NTDB id	282	KZH43	RS03215	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYMIHQP	MGTTGGGTQQTDMAIAAAEHLLKTRNTLEK				152		
NTDB id	246	SPD	RS03495	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYMIHQP	MGTTGGGTQQTDMAIAAAEHLLKTRNTLEK				152		
NTDB id	244	SPR	RS03300	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYMIHQP	MGTTGGGTQQTDMAIAAAEHLLKTRNTLEK				152		
NTDB id	242	SP	RS03655	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYMIHQP	MGTTGGGTQQTDMAIAAAEHLLKTRNTLEK				152		
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGTTGGGTQQTDMAIAAAEHLLKTRHRLEK				152		
NTDB id	445	SPYM3	RS01720	WP	002985850.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGTTGGGTQQTDMAIAAAEHLLKTRHRLEK				152		
NTDB id	376	SMU	RS07595	WP	255262720.1	LAIVDTMNFIKS	DVQTI	VMGTAASMG	TIASSGT	AKGGRFMLPNAEYL	LHQPMGGTG	QSDDMAIAAEQ	LLKTRKKLEK		160		
NTDB id	181402	BSA41	RS14435	WP	024427684.1	MAIYDTMQFIKP	PKVST	ICIGMAASMG	AFLLAAGE	EKGKRYALPNSEV	MIHQPLGGAQG..QATEIEIAAKRI	ILLSLRDKLNQ			152		
NTDB id	86	BSU	34540	NP	391334.1	MAIYDTMQFIKP	PKVST	ICIGMAASMG	AFLLAAGE	EKGKRYALPNSEV	MIHQPLGGAQG..QATEIEIAAKRI	ILLRLDKLNK			152		
NTDB id	1223	Cj0192c	YP	002343650.1	FSAIYDTMNYIKP	DVCTIC	IQAASMG	AFLLSCAEG	EKGRFALPNSRIM	IHQPLGGARG..QATDIEIQAKEILRL	ITILND				151		
consensus						**!*!*	!!**!	*!!*	*****	*!!*	!!**!	*!!*	*****	*!!*	!!**!	*!!*	*****

NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFIDEIMENNSLK..	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFIDEIMENNSLK..	199
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFIDEIMTNNQLK..	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFIDEIMTNNQLK..	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNSLN..	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNSLN..	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNSLN..	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNSLN..	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAAQNAKGT	IKQIHKDAERDYWMSAE	ETLAYGFIDEIMENNELK..	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAAQNAKGT	IKQIHKDAERDYWMSAE	ETLAYGFIDEIMENNELK..	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTI	KQIHKDAERDYWMDAK	ETLKYGFIDEIMENNELK..	204
NTDB id 181402 BSA41 RS14435 WP 024427684.1	VLAERTGQPI	EVIERDTRDRNFKTAE	EALQYGLIDKVLTRNTEDQK	198
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGQPI	EVIERDTRDRNFKSAE	EALQYGLIDKILTHTEDKK.	197
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQKV	IAKDTERDFFMSAQ	EAKQYGLIDKVLKSFK..	194
consensus	*****	*****	*****	

 non conserved
 similar
 $\geq 50\%$ conserved