

[illegible]

NTDB id	602	KW2	RS03060	WP	011834647.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	TGKGRFMLPNAEYL	L	IHQPMGGAG	QGQTQQTDMAI	VAEQLL	KTRKRLE	Q	155
NTDB id	611	V4T04	RS07970	WP	003129593.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	TGKGRFMLPNAEYL	L	IHQPMGGTG	QGQTQQTDMAI	VAEQLL	KTRKRLE	Q	155
NTDB id	330	STU	RS11365	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	TGKGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAA	AEEHLKTRNN	LE	Q	152	
NTDB id	298	STER	RS01925	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	TGKGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAA	AEEHLKTRNN	LE	Q	152	
NTDB id	282	KZH43	RS03215	WP	000613477.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	AKGGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAA	AEEHLKTRNT	LE	Q	152	
NTDB id	246	SPD	RS03495	WP	000613477.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	AKGGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAA	AEEHLKTRNT	LE	Q	152	
NTDB id	244	SPR	RS03300	WP	000613477.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	AKGGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAA	AEEHLKTRNT	LE	Q	152	
NTDB id	242	SP	RS03655	WP	000613477.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	AKGGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAA	AEEHLKTRNT	LE	Q	152	
NTDB id	376	SMU	RS07595	WP	255262720.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	AKGGRFMLPNAEYL	L	IHQPMGGTGGGT	QSDMAIAA	EQLLKTRKK	LE	Q	160
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	TGKGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAA	AEEHLKTRHR	LE	Q	152	
NTDB id	445	SPYM3	RS01720	WP	002985850.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	T	IASSGT	TGKGRFMLPNAEYMI	HQPMGGTGGGT	QQTDMAIAA	AEEHLKTRHR	LE	Q	152	
NTDB id	1223	Cj0192c	YP	002343650.1	F	SIIYDTMN	YIKP	DVCTICIGQAASMG	AFLILSCGAEG	KRFALPN	S	RIMIHQPLGGARG.	.QATDIEIQAKE	ITRLK	ITILND		151	
NTDB id	134122	BGO6	RS14825	WP	001049162.1	M	AIYDTMQFIKPQVS	TCICGMAASMG	AFLLAAGE	KGKRYALPN	S	EVMIHQPLGGAQG.	.QATEIEIAAKR	IFLFLREKL	NQ		152	
NTDB id	86	BSU	34540	NP	391334.1	M	AIYDTMQFIKPQVS	TCICGMAASMG	AFLLAAGE	KGKRYALPN	S	EVMIHQPLGGAQG.	.QATEIEIAAKR	IFLLRD	KLNK		152	
consensus						**	*	*!	!!	***	!!	!!	*****	!!!!	*****	!!	!!	

NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSLQTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSLQTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTIKQTHKDAERDYWMDAKETLKYGFIIDEIMENNELK.	204
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAGKTIKQTHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAGKTIKQTHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQKVAKTAKDTERDFFMSAQEAKLEYGLIDKVLKSFK..	194
NTDB id 134122 BG06 RS14825 WP 001049162.1	ILADRTGQPLEVLQRDTRDRDNFMTAEKALEYGLIDKIFTNRR...	193
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGQPLEVIERDTRDRDNFKSAEALAYGLIDKILTHTEDKK	197
consensus	*!***** * * * ! * * ! * * * ! * * * ! * ! * * * * * *	

 non conserved
 similar
 $\geq 50\%$ conserved