

[illegible]

NTDB id	602	KW2	RS03060	WP	011834647.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYL	IHQPMGGAGQG	TQQTDMAIVA EQLLKTRKRLEQ	155
NTDB id	611	V4T04	RS07970	WP	003129593.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYL	IHQPMGGTGQ	TQQTDMAIVA EQLLKTRKRLEQ	155
NTDB id	376	SMU	RS07595	WP	255262720.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	A KGKRFMLPNAEYL	IHQPMGGTGGGT	QQTDMAIAAEQLLKTRKKLEK	160
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	TGKGRFMLPNAEYMIH	IQPMGGTGGGT	QQTDMAIAA EHL LKTRHRLEK	152
NTDB id	445	SPYM3	RS01720	WP	002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	TGKGRFMLPNAEYMIH	IQPMGGTGGGT	QQTDMAIAA EHL LKTRHRLEK	152
NTDB id	282	KZH43	RS03215	WP	000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	A KGKRFMLPNAEYMIH	IQPMGGTGGGT	QQTDMAIAA EHL LKTRNTLEK	152
NTDB id	246	SPD	RS03495	WP	000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	A KGKRFMLPNAEYMIH	IQPMGGTGGGT	QQTDMAIAA EHL LKTRNTLEK	152
NTDB id	244	SPR	RS03300	WP	000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	A KGKRFMLPNAEYMIH	IQPMGGTGGGT	QQTDMAIAA EHL LKTRNTLEK	152
NTDB id	242	SP	RS03655	WP	000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	A KGKRFMLPNAEYMIH	IQPMGGTGGGT	QQTDMAIAA EHL LKTRNTLEK	152
NTDB id	206766	BSR14	RS01760	WP	002886628.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTVIASSGT	TGKGRFMLPNAEYMIH	IQPMGGTGGGT	QQTDMAIAA EHL LKTRNNLEQ	152
NTDB id	330	STU	RS11365	WP	002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYMIH	IQPMGGTGGGT	QQTDMAIAA EHL LKTRNNLEQ	152
NTDB id	298	STER	RS01925	WP	002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYMIH	IQPMGGTGGGT	QQTDMAIAA EHL LKTRNNLEQ	152
NTDB id	86	BSU	34540	NP	391334.1	MAIYDTMQFIKPKVST	ICIGMAASMGAFLLAA	GEGKRYALPNSEVM	IHQPLGGAQG..	QATIEIEA AKRI LLRLDKLNK	152
NTDB id	1223	Cj0192c	YP	002343650.1	FSLIYDTMNYIKP	DVCTICIGQAASMGAFLLSC	GAEGKRFALPNSRIM	IHQPLGGARG..	QATDIE IQAKE IRL KITI LND	151	
consensus						**!!*****!	*!*****!	*!*****!	*!*****!	*!*****!	!*

NTDB id	602	KW2	RS03060	WP	011834647.1	ILADNSNRSLEQTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id	611	V4T04	RS07970	WP	003129593.1	ILADNSNRSLEQTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id	376	SMU	RS07595	WP	255262720.1	ILSDNSGKTIKQIHKDAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	ILAAQNAGKTIKQIHKDAERYWMSAETLAYGFIDEIMENNELK.	196
NTDB id	445	SPYM3	RS01720	WP	002985850.1	ILAQMAGKTIKQIHKDAERDYWMSAETLAYGFIDEIMENNELK.	196
NTDB id	282	KZH43	RS03215	WP	000613477.1	ILAE NSGQSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	246	SPD	RS03495	WP	000613477.1	ILAE NSGQSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	244	SPR	RS03300	WP	000613477.1	ILAE NSGQSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	242	SP	RS03655	WP	000613477.1	ILAE NSGQSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	206766	BSR14	RS01760	WP	002886628.1	ILADNSGGPIEKVHVDAERDNWMSAQETLEYGFIDEIMANNQLK.	196
NTDB id	330	STU	RS11365	WP	002949732.1	ILADNSGGPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id	298	STER	RS01925	WP	002949732.1	ILADNSGGPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id	86	BSU	34540	NP	391334.1	VLAERTTGQPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK	197
NTDB id	1223	Cj0192c	YP	002343650.1	ILAKNTIKQKVAKIAKDTERDFFMSAQEAKKEYGLIDKVLKSFK..	194	
consensus						*!*****!!***!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*	

 non conserved
 similar
 $\geq 50\%$ conserved