

[illegible]

NTDB id	602	KW2	RS03060	WP	011834647.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYL	LHQPMGGAGQG	TQTQTDMAIVA	EAEQLLKR	RKRL	LEQ	155
NTDB id	611	V4T04	RS07970	WP	003129593.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYL	LHQPMGGTGQG	TQTQTDMAIVA	EAEQLLKR	RKRL	LEQ	155
NTDB id	330	STU	RS11365	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGGTGGGTQQT	TDMAIAAAEHLLKTRNN	LEQ			152
NTDB id	298	STER	RS01925	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGGTGGGTQQT	TDMAIAAAEHLLKTRNN	LEQ			152
NTDB id	282	KZH43	RS03215	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSG	AKGGRFMLPNAEYMIHQP	MGGTGGGTQQT	TDMAIAAAEHLLKTRNT	LEK			152
NTDB id	246	SPD	RS03495	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSG	AKGGRFMLPNAEYMIHQP	MGGTGGGTQQT	TDMAIAAAEHLLKTRNT	LEK			152
NTDB id	244	SPR	RS03300	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSG	AKGGRFMLPNAEYMIHQP	MGGTGGGTQQT	TDMAIAAAEHLLKTRNT	LEK			152
NTDB id	242	SP	RS03655	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSG	AKGGRFMLPNAEYMIHQP	MGGTGGGTQQT	TDMAIAAAEHLLKTRNT	LEK			152
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSGT	TGKGRFMLPNAEYMIHQP	MGGTGGGTQQT	TDMAIAAAEHLLKTRHR	LEK			152
NTDB id	445	SPYM3	RS01720	WP	002985850.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSGT	TGKGRFMLPNAEYMIHQP	MGGTGGGTQQT	TDMAIAAAEHLLKTRHR	LEK			152
NTDB id	376	SMU	RS07595	WP	255262720.1	LAIVDTMNFIKS	DVQTI	VMGTAASMG	TIASSGT	AKGGRFMLPNAEYLI	HQPMGGTGGGTQQ	SDMAIAAEQLLKR	TKKK	LEK		160
NTDB id	163498	AT706	RS01350	WP	003228214.1	MAIYDTMQFIKPKV	STICI	GMAASMGAFLLAAGE	KGKRYALPNSEV	MIHQPLGGAQG..	QATEIEIAAKRI	LLLLRDKL	NLNK			152
NTDB id	86	BSU	34540	NP	391334.1	MAIYDTMQFIKPKV	STICI	GMAASMGAFLLAAGE	KGKRYALPNSEV	MIHQPLGGAQG..	QATEIEIAAKRI	LLLLRDKL	NLNK			152
NTDB id	1223	Cj0192c	YP	002343650.1	FSAIYDTMNYIKP	DVCTICIGQAASMGAFLLSCG	AEGKRFALPNSRIMIHQPLGGARG.	QATDIEIQAKEILRLK	ITIND							151
consensus						**!*	*!!*	*!!*	*	*!!*	*!!*	*!!*	*!!*	*!!*	*!!*	*!!*

NTDB id	602	KW2	RS03060	WP	011834647.1	ILADNSNRSLQIHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id	611	V4T04	RS07970	WP	003129593.1	ILADNSNRSLQIHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id	330	STU	RS11365	WP	002949732.1	ILADNSGQPPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	298	STER	RS01925	WP	002949732.1	ILADNSGQPPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	282	KZH43	RS03215	WP	000613477.1	ILAENSQGSMSEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	246	SPD	RS03495	WP	000613477.1	ILAENSQGSMSEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	244	SPR	RS03300	WP	000613477.1	ILAENSQGSMSEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	242	SP	RS03655	WP	000613477.1	ILAENSQGSMSEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	ILAAQNAGKTIKQIHKAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id	445	SPYM3	RS01720	WP	002985850.1	ILAAQNAGKTIKQIHKAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id	376	SMU	RS07595	WP	255262720.1	ILSDNSGKTIKQIHKAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id	163498	AT706	RS01350	WP	003228214.1	VLAERTGGPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK.	197
NTDB id	86	BSU	34540	NP	391334.1	VLAERTGGPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK.	197
NTDB id	1223	Cj0192c	YP	002343650.1	ILAKNTIKQKVAKIAKDTERDFFMSAQEAKKEYGLIDKVLEKSF..	194	
consensus						*!*****!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*	

 non conserved
 similar
 $\geq 50\%$ conserved