

[illegible]

NTDB id	602	KW2	RS03060	WP	011834647.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYL	LHQPMGGAG	QGTTQQTDMAI	VAEQLL	KTRKRLEQ	155		
NTDB id	611	V4T04	RS07970	WP	003129593.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYL	LHQPMGGTG	QGTTQQTDMAI	VAEQLL	KTRKRLEQ	155		
NTDB id	330	STU	RS11365	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGGTGGGT	QGTTQQTDMAIAA	AHELLKTRNNLEQ	152			
NTDB id	298	STER	RS01925	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGGTGGGT	QGTTQQTDMAIAA	AHELLKTRNNLEQ	152			
NTDB id	282	KZH43	RS03215	WP	000613477.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYMIHQP	MGGTGGGT	QGTTQQTDMAIAA	AHELLKTRNTLEK	152			
NTDB id	246	SPD	RS03495	WP	000613477.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYMIHQP	MGGTGGGT	QGTTQQTDMAIAA	AHELLKTRNTLEK	152			
NTDB id	244	SPR	RS03300	WP	000613477.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYMIHQP	MGGTGGGT	QGTTQQTDMAIAA	AHELLKTRNTLEK	152			
NTDB id	242	SP	RS03655	WP	000613477.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYMIHQP	MGGTGGGT	QGTTQQTDMAIAA	AHELLKTRNTLEK	152			
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGGTGGGT	QGTTQQTDMAIAA	AHELLKTRHRLEK	152			
NTDB id	445	SPYM3	RS01720	WP	002985850.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMIHQP	MGGTGGGT	QGTTQQTDMAIAA	AHELLKTRHRLEK	152			
NTDB id	376	SMU	RS07595	WP	255262720.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYL	LHQPMGGTG	GTSQSDMAIAA	AEQLLKTRKKLEK	160			
NTDB id	302631	DS740	RS18695	WP	003228214.1	MAIYDTMQFIKPKV	STICIGMAASMG	AFLLAA	GEKGKRYALPNSEV	MIHQPLGGAQG..	QATEIEIAAKRI	ILLRLDKLNK	152				
NTDB id	86	BSU	34540	NP	391334.1	MAIYDTMQFIKPKV	STICIGMAASMG	AFLLAA	GEKGKRYALPNSEV	MIHQPLGGAQG..	QATEIEIAAKRI	ILLRLDKLNK	152				
NTDB id	1223	Cj0192c	YP	002343650.1	FSAIYDTMNYIKP	DVCTICIGQAASMG	AFLLSC	GAEGKRFALPN	SRIMIHQPLGGAR	..	QATDIEIQAKEILRL	KTILND	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	ILADNSGQPTEKVVHDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	298	STER	RS01925	WP	002949732.1	ILADNSGQPTEKVVHDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	282	KZH43	RS03215	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	246	SPD	RS03495	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	244	SPR	RS03300	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	242	SP	RS03655	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	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	302631	DS740	RS18695	WP	003228214.1	VLAERTTGQPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK	197
NTDB id	86	BSU	34540	NP	391334.1	VLAERTTGQPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK	197
NTDB id	1223	Cj0192c	YP	002343650.1	ILAKNITKQKVAKIAKTDTERDFFMSAQEAKKEYGLIDKVLKSFK..	194	
consensus						*!*****!****!*!!**!!!*!!!!!!*!!!!!!*!!*!!*!!*	

 non conserved
 similar
 $\geq 50\%$ conserved