

[illegible]

NTDB id	602	KW2	RS03060	WP	011834647.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYL	L	IHQPMGGAGQG	TQQTDM	AIVAEQLL	KTRKRLEQ	155
NTDB id	611	V4T04	RS07970	WP	003129593.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYL	L	IHQPMGGTGQG	TQQTDM	AIVAEQLL	KTRKRLEQ	155
NTDB id	330	STU	RS11365	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMI	HQPMGGTGGGT	TQQTDM	IAAAEHLL	KTRNNLEQ	152	
NTDB id	298	STER	RS01925	WP	002949732.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	TGKGRFMLPNAEYMI	HQPMGGTGGGT	TQQTDM	IAAAEHLL	KTRNNLEQ	152	
NTDB id	282	KZH43	RS03215	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSG	AKGGRFMLPNAEYMI	HQPMGGTGGGT	TQQTDM	IAAAEHLL	KTRNMLEK	152	
NTDB id	246	SPD	RS03495	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSG	AKGGRFMLPNAEYMI	HQPMGGTGGGT	TQQTDM	IAAAEHLL	KTRNMLEK	152	
NTDB id	244	SPR	RS03300	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSG	AKGGRFMLPNAEYMI	HQPMGGTGGGT	TQQTDM	IAAAEHLL	KTRNMLEK	152	
NTDB id	242	SP	RS03655	WP	000613477.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSG	AKGGRFMLPNAEYMI	HQPMGGTGGGT	TQQTDM	IAAAEHLL	KTRNMLEK	152	
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSGT	TGKGRFMLPNAEYMI	HQPMGGTGGGT	TQQTDM	IAAAEHLL	KTRHRL	LEK	152
NTDB id	445	SPYM3	RS01720	WP	002985850.1	LAIVDTMNFIKA	DVQTI	VMGMAASMG	VIASSGT	TGKGRFMLPNAEYMI	HQPMGGTGGGT	TQQTDM	IAAAEHLL	KTRHRL	LEK	152
NTDB id	376	SMU	RS07595	WP	255262720.1	LAIVDTMNFIKS	DVQTI	VMGMAASMG	TIASSGT	AKGGRFMLPNAEYL	L	IHQPMGGTGGGT	QQSDMA	IAAEQLL	KTRKKLEK	160
NTDB id	282860	C7M23	RS06980	WP	003228214.1	MAIYDTMQFIKP	KVSTICI	GMAASMGAF	LLAAGE	EKGKRYALPNSEV	M	IHQPLGGAQG..	QATIEIE	IAAKRI	LLLRDKLNK	152
NTDB id	86	BSU	34540	NP	391334.1	MAIYDTMQFIKP	KVSTICI	GMAASMGAF	LLAAGE	EKGKRYALPNSEV	M	IHQPLGGAQG..	QATIEIE	IAAKRI	LLLRDKLNK	152
NTDB id	1223	Cj0192c	YP	002343650.1	FSIYDTMNYIKP	DVCTICIG	QAASMGAF	LLSCGAE	EGRFALPN	RIMIHQPLGGARG.	.	QATDIEIQAKEIL	RLKTLIND			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	282860	C7M23	RS06980	WP	003228214.1	VLAERTIGQPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK	197
NTDB id	86	BSU	34540	NP	391334.1	VLAERTIGQPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK	197
NTDB id	1223	Cj0192c	YP	002343650.1	ILAKNTIKQKVAKIAKTDTERDFFMSAQEAKKEYGLIDKVLEKSFK..	194	
consensus						*!*****!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*	

 non conserved
 similar
 $\geq 50\%$ conserved