

[illegible]

NTDB id	602	KW2	RS03060	WP	011834647.1	LAIVDTMNFIKS	DVQTIVMGMAASMGTI	IASSGTGKGRFMLPNAEYL	LHQPMGGAGQ	GTTQQTDMAIVAEEQLLKRKRLEQ	155
NTDB id	611	V4T04	RS07970	WP	003129593.1	LAIVDTMNFIKS	DVQTIVMGMAASMGTI	IASSGTGKGRFMLPNAEYL	LHQPMGGTGQ	GTTQQTDMAIVAEEQLLKRKRLEQ	155
NTDB id	330	STU	RS11365	WP	002949732.1	LAIVDTMNFIKS	DVQTIVMGMAASMGTI	IASSGTGKGRFMLPNAEYMIHQP	MGGTGGGTQQTDMAIAAAEHLLKTRNNLEQ	152	
NTDB id	298	STER	RS01925	WP	002949732.1	LAIVDTMNFIKS	DVQTIVMGMAASMGTI	IASSGTGKGRFMLPNAEYMIHQP	MGGTGGGTQQTDMAIAAHLKLKTRNNLEQ	152	
NTDB id	282	KZH43	RS03215	WP	000613477.1	LAIVDTMNFIKA	DVQTIVMGMAASMGTVI	IASSGAKGFRMLPNAEYMIHQP	MGGTGGGTQQTDMAIAAAEHLLKTRNTLEK	152	
NTDB id	246	SPD	RS03495	WP	000613477.1	LAIVDTMNFIKA	DVQTIVMGMAASMGTVI	IASSGAKGFRMLPNAEYMIHQP	MGGTGGGTQQTDMAIAAHLKLKTRNTLEK	152	
NTDB id	244	SPR	RS03300	WP	000613477.1	LAIVDTMNFIKA	DVQTIVMGMAASMGTVI	IASSGAKGFRMLPNAEYMIHQP	MGGTGGGTQQTDMAIAAHLKLKTRNTLEK	152	
NTDB id	242	SP	RS03655	WP	000613477.1	LAIVDTMNFIKA	DVQTIVMGMAASMGTVI	IASSGAKGFRMLPNAEYMIHQP	MGGTGGGTQQTDMAIAAHLKLKTRNTLEK	152	
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	LAIVDTMNFIKA	DVQTIVMGMAASMGTVI	IASSGTGKGRFMLPNAEYMIHQP	MGGTGGGTQQTDMAIAAHLKLKTHRRLEK	152	
NTDB id	445	SPYM3	RS01720	WP	002985850.1	LAIVDTMNFIKA	DVQTIVMGMAASMGTVI	IASSGTGKGRFMLPNAEYMIHQP	MGGTGGGTQQTDMAIAAHLKLKTHRRLEK	152	
NTDB id	376	SMU	RS07595	WP	255262720.1	LAIVDTMNFIKS	DVQTIVMGTAASMGTI	IASSGAKGFRMLPNAEYL	LHQPMGGTGGGTQQSDMAIAAEQQLLKTRKKLEK	160	
NTDB id	1157190	KJP64	RS17600	WP	003228214.1	MAIYDTMQFIKPKVSI	TICIGMAASMGAFLLAAGE	EKGKYALPNSEVMIHQPLGGAQG..	QATEIEIAAKRIILLRLDKLNK	152	
NTDB id	86	BSU	34540	NP	391334.1	MAIYDTMQFIKPKVSI	TICIGMAASMGAFLLAAGE	EKGKYALPNSEVMIHQPLGGAQG..	QATEIEIAAKRIILLRLDKLNK	152	
NTDB id	1223	Cj0192c	YP	002343650.1	FSAIYDTMNYIKPDVC	TICIGQAASMGAFLLSCG	AEGKRFALPNSRIMIHQPLGGARG.	QATDIEIQAKEILRLKITLND	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	ILAENSQGSMSEKVVHADAEARNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	246	SPD	RS03495	WP	000613477.1	ILAENSQGSMSEKVVHADAEARNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	244	SPR	RS03300	WP	000613477.1	ILAENSQGSMSEKVVHADAEARNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	242	SP	RS03655	WP	000613477.1	ILAENSQGSMSEKVVHADAEARNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	ILAAQNAGKTIKQIHKAEDYWMSEAETLAYGFIDEIMENNELK.	196
NTDB id	445	SPYM3	RS01720	WP	002985850.1	ILAAQNAGKTIKQIHKAEDYWMSEAETLAYGFIDEIMENNELK.	196
NTDB id	376	SMU	RS07595	WP	255262720.1	ILSDNSGKTIKQIHKAEDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id	1157190	KJP64	RS17600	WP	003228214.1	VLAERTTGQPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK	197
NTDB id	86	BSU	34540	NP	391334.1	VLAERTTGQPLEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK	197
NTDB id	1223	Cj0192c	YP	002343650.1	ILAKNITKQKVAKIAKTDTERDFFMSAQAKEYGLIDKVLKSFK..	194	
consensus						*!*****!****!*!!**!!!***!!*!!!!!!*!!*!!*!!*!!*	

 non conserved
 similar
 $\geq 50\%$ conserved