

[illegible]

NTDB id	602	KW2	RS03060	WP	011834647.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYL	LHQPMGGAGCQT	QQTDMAIVA EQLLKTRKRLEQ	155
NTDB id	611	V4T04	RS07970	WP	003129593.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYL	LHQPMGGTGQGT	QQTDMAIVA EQLLKTRKRLEQ	155
NTDB id	330	STU	RS11365	WP	002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYMIHQPMGGTGGGT	QQTDMAIAAAEHLLKTRNNLEQ	152	
NTDB id	298	STER	RS01925	WP	002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYMIHQPMGGTGGGT	QQTDMAIAAAEHLLKTRNNLEQ	152	
NTDB id	282	KZH43	RS03215	WP	000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	AKGGRFMLPNAEYMIHQPMGGTGGGT	QQTDMAIAAAEHLLKTRNTLEK	152	
NTDB id	246	SPD	RS03495	WP	000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	AKGGRFMLPNAEYMIHQPMGGTGGGT	QQTDMAIAAAEHLLKTRNTLEK	152	
NTDB id	244	SPR	RS03300	WP	000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	AKGGRFMLPNAEYMIHQPMGGTGGGT	QQTDMAIAAAEHLLKTRNTLEK	152	
NTDB id	242	SP	RS03655	WP	000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	AKGGRFMLPNAEYMIHQPMGGTGGGT	QQTDMAIAAAEHLLKTRNTLEK	152	
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	TGKGRFMLPNAEYMIHQPMGGTGGGT	QQTDMAIAAAEHLLKTRHRLEK	152	
NTDB id	445	SPYM3	RS01720	WP	002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	TGKGRFMLPNAEYMIHQPMGGTGGGT	QQTDMAIAAAEHLLKTRHRLEK	152	
NTDB id	376	SMU	RS07595	WP	255262720.1	LAIVDTMNFIKS	DVQTI VMGTAASMGTTIASSG	AKGGRFMLPNAEYL	LHQPMGGTGGGTQQSDMAIAAEQ	LLKTRKKLEK	160
NTDB id	985349	MHI08	RS15760	WP	024427684.1	MAIYDTMQFIKP	KVSTICIGMAASMGAFLLAAGEKGKRYALPNSEVM	MIHQPLGGAQG..QATEIEIAAKRI	LSLRDKLNQ	152	
NTDB id	86	BSU	34540	NP	391334.1	MAIYDTMQFIKP	KVSTICIGMAASMGAFLLAAGEKGKRYALPNSEVM	MIHQPLGGAQG..QATEIEIAAKRI	LLLRDKLNK	152	
NTDB id	1223	Cj0192c	YP	002343650.1	FSAIYDTMNYIKP	DVCTICIGQAASMGAFLLSCGAEGKRFALPNSRIM	IHQPLGGARG..QATDIEIQAKEILRLKITLND		151		
consensus						**!*!!!!**!!	*!*****!	*****!	*****!	*****!	***

NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFIDEIMENNS	SLK..	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFIDEIMENNS	SLK..	199
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFIDEIMTNN	QLK..	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFIDEIMTNN	QLK..	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNS	SLN..	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNS	SLN..	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNS	SLN..	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNS	SLN..	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNA	GKTIKQIHKDAERDYWMSAE	ETLAYGFIDEIMENNEL	LK..	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNA	GKTIKQIHKDAERDYWMSAE	ETLAYGFIDEIMENNEL	LK..	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTI	KQIHKDAERDYWMDAK	ETLKYGFIDEIMENNEL	LK..	204
NTDB id 985349 MHI08 RS15760 WP 024427684.1	VLAERTGQPI	EVIERDTRDRNFKTAEEALQYGLIDKVLTRN	TEDQK		198
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGQPI	EVIERDTRDRNFKSAEEALEYGLIDKILTHTED	KK.		197
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQKVAK	IAKDTERDFFMSAQEAKEYGLIDKVLKSFK	..		194
consensus	*!*****	*****!*****!*****!	!*****!*****!*****	*****	

 non conserved
 similar
 $\geq 50\%$ conserved