

[illegible]

NTDB id	602	KW2 RS03060 WP 011834647.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYL	L IHQPMGGAACQGQTQQTDMAIVA EQLLKTRKRLEQ	155
NTDB id	611	V4T04 RS07970 WP 003129593.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYL	L IHQPMGGTGQGTQQTDMAIVA EQLLKTRKRLEQ	155
NTDB id	330	STU RS11365 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYMIHQPMGGTG GGTQQTDMAIAAAEHLLKTRNNLEQ	152	
NTDB id	298	STER RS01925 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYMIHQPMGGTG GGTQQTDMAIAAAEHLLKTRNNLEQ	152	
NTDB id	282	KZH43 RS03215 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	A GGKRFMLPNAEYMIHQPMGGTG GGTQQTDMAIAAAEHLLKTRN TLEK	152	
NTDB id	246	SPD RS03495 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	A GGKRFMLPNAEYMIHQPMGGTG GGTQQTDMAIAAAEHLLKTRN TLEK	152	
NTDB id	244	SPR RS03300 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	A GGKRFMLPNAEYMIHQPMGGTG GGTQQTDMAIAAAEHLLKTRN TLEK	152	
NTDB id	242	SP RS03655 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	A GGKRFMLPNAEYMIHQPMGGTG GGTQQTDMAIAAAEHLLKTRN TLEK	152	
NTDB id	446	SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYMIHQPMGGTG GGTQQTDMAIAAAEHLLKTRHRLEK	152	
NTDB id	445	SPYM3 RS01720 WP 002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYMIHQPMGGTG GGTQQTDMAIAAAEHLLKTRHRLEK	152	
NTDB id	376	SMU RS07595 WP 255262720.1	LAIVDTMNFIKS	DVQTI VMGTAASMGTVIASSGT	A GGKRFMLPNAEYL L IHQPMGGTG GGTQQSDMAIAAEQLLKTRKKLEK	160	
NTDB id	983111	NST32 RS16285 WP 024427684.1	MAIYDTMQFIKPVKVSTICIGMAASMGAFLLAAGEKGKRYALPNSEVMIHQPLGGAAG..QATEIEIAAKRIILSLRDKLNQ	152			
NTDB id	86	BSU 34540 NP 391334.1	MAIYDTMQFIKPVKVSTICIGMAASMGAFLLAAGEKGKRYALPNSEVMIHQPLGGAAG..QATEIEIAAKRIILLRLDKLNK	152			
NTDB id	1223	Cj0192c YP 002343650.1	FSAIYDTMNVIKPDVCTICIQQAASMGAFLLSCGAECKRFALPNSRIMIHQPLLGARG..QATDIEIQAKEILLRLITLND	151			
consensus			**!*!!!!!!**!	*!*****!!!*****	*!!!!!!!!!!!!!!!!!!!!!!!!!!!!*****!*****!*****!***!	!*	

NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFI	DEIMENNS	SLK..	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFI	DEIMENNS	SLK..	199
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFI	DEIMTNNQ	LK..	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFI	DEIMTNNQ	LK..	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFI	DEIMANNS	SLN..	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFI	DEIMANNS	SLN..	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFI	DEIMANNS	SLN..	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFI	DEIMANNS	SLN..	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAAQNA	GKTIKQIHKDAERDYWMSAE	ETLAYGFI	DEIMENNEL	LK..	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAAQNA	GKTIKQIHKDAERDYWMSAE	ETLAYGFI	DEIMENNEL	LK..	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGK	TIKQIHKDAERDYWMDAK	ETLKYGFI	DEIMENNEL	LK..	204
NTDB id 983111 NST32 RS16285 WP 024427684.1	VLAERTG	QPIEVIERD	TDRDNFKTAE	EALQYGLIDK	VLTRNTEDQK	198
NTDB id 86 BSU 34540 NP 391334.1	VLAERTG	QPIEVIERD	TDRDNFKSAE	EALYGLIDK	ILTHTEDKK	197
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTI	KQKVAKIAK	DTERDFFMSAQ	EAKYGLIDK	VLEKSFK..	194
consensus	*****	*****	*****	*****	*****	

 non conserved
 similar
 $\geq 50\%$ conserved