

[illegible]

NTDB id	602	KW2 RS03060 WP 011834647.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGGKRFMLPNAEYLIHQPMGGAGQG	GTTQTDTDAIVAEQLLKRKRLEQ		155
NTDB id	611	V4T04 RS07970 WP 003129593.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGGKRFMLPNAEYLIHQPMGGTGQG	GTTQTDTDAIVAEQLLKRKRLEQ		155
NTDB id	330	STU RS11365 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGGKRFMLPNAEYMIHQPMGGTGGGT	GTTQTDTDAIAAAHLLKTRNNLEQ		152
NTDB id	298	STER RS01925 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGGKRFMLPNAEYMIHQPMGGTGGGT	GTTQTDTDAIAAAHLLKTRNNLEQ		152
NTDB id	282	KZH43 RS03215 WP 000613477.1	LAIVDTMNFIIKA	DVQTI VMGMAASMGTVIASSGA	TGGKRFMLPNAEYMIHQPMGGTGGGT	GTTQTDTDAIAAAHLLKTRNTLEK		152
NTDB id	246	SPD RS03495 WP 000613477.1	LAIVDTMNFIIKA	DVQTI VMGMAASMGTVIASSGA	TGGKRFMLPNAEYMIHQPMGGTGGGT	GTTQTDTDAIAAAHLLKTRNTLEK		152
NTDB id	244	SPR RS03300 WP 000613477.1	LAIVDTMNFIIKA	DVQTI VMGMAASMGTVIASSGA	TGGKRFMLPNAEYMIHQPMGGTGGGT	GTTQTDTDAIAAAHLLKTRNTLEK		152
NTDB id	242	SP RS03655 WP 000613477.1	LAIVDTMNFIIKA	DVQTI VMGMAASMGTVIASSGA	TGGKRFMLPNAEYMIHQPMGGTGGGT	GTTQTDTDAIAAAHLLKTRNTLEK		152
NTDB id	446	SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNFIIKA	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYMIHQPMGGTGGGT	GTTQTDTDAIAAAHLLKTRHRLEK		152
NTDB id	445	SPYM3 RS01720 WP 002985850.1	LAIVDTMNFIIKA	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYMIHQPMGGTGGGT	GTTQTDTDAIAAAHLLKTRHRLEK		152
NTDB id	376	SMU RS07595 WP 255262720.1	LAIVDTMNFIKS	DVQTI VMTAASMGTTIASSGA	TGGKRFMLPNAEYLIHQPMGGTGGGTQQ	SDMAIAAEQLLKTRKKLEK		160
NTDB id	1223	Cj0192c YP 002343650.1	FSIYDTMNVIKP	DVGTCICIGQAASMGAFILLSCGA	EKGKFALPNSSRI MIHQPLGGARG..	QATDIEIQAKEILRLKTILND		151
NTDB id	118254	AJ82 RS16040 WP 003151513.1	MAYIDTMCFIKPKVS	ITCIGAASMG AFLLAAGE KGKRYALPNSEVM	I HQPLGGA QG ..QATE IE IAAKRILLLRDKLNK		152	
NTDB id	86	BSU 34540 NP 391334.1	MAYIDTMCFIKPKVS	ITCIGAASMG AFLLAAGE KGKRYALPNSEVM	I HQPLGGA QG ..QATE IE IAAKRILLLRDKLNK		152	
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	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK..	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK..	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAAQNAKGTIKQIHKDAERDYWMSAEETLAYGFIDEIMENNELK..	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAAQNAKGTIKQIHKDAERDYWMSAEETLAYGFIDEIMENNELK..	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTIKQIHKDAERDYWMDAKETLKYGFIDEIMENNELK..	204
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQKVAKIAKDTTERDFFMSAQEAEKYEGLIDKVLKSF..	194
NTDB id 118254 AJ82 RS16040 WP 003151513.1	VLAERTGQPLEVIERDTRDNNFKSADAEALEYGLIDKVLTRNTEDQK	198
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGQPLEVIERDTRDNNFKSADAEALEYGLIDKILTHTEDKK..	197
consensus	!*!***** **!*!*****! !*****! !***** ** *	

 non conserved
 similar
 $\geq 50\%$ conserved