

[illegible]

NTDB id	602	KW2 RS03060 WP 011834647.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYL	LIHQPMGGAGCQTQQTDMAIVAEQLLKRTRKRL	EQ	155
NTDB id	611	V4T04 RS07970 WP 003129593.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYL	LIHQPMGGTGCGTQQTDMAIVAEQLLKRTRKRL	EQ	155
NTDB id	330	STU RS11365 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAAEHLLKTRNNLE	EQ		152
NTDB id	298	STER RS01925 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGKGRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAAEHLLKTRNNLE	EQ		152
NTDB id	282	KZH43 RS03215 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	A KGKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAAEHLLKTRNTLE	E K		152
NTDB id	246	SPD RS03495 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	A KGKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAAEHLLKTRNTLE	E K		152
NTDB id	244	SPR RS03300 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	A KGKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAAEHLLKTRNTLE	E K		152
NTDB id	242	SP RS03655 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	A KGKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAAEHLLKTRNTLE	E K		152
NTDB id	446	SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	TGKGRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAAEHLLKTRHRLE	E K		152
NTDB id	445	SPYM3 RS01720 WP 002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSG	TGKGRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAAEHLLKTRHRLE	E K		152
NTDB id	376	SMU RS07595 WP 255262720.1	LAIVDTMNFIKS	DVQTI VMGTAASMGTTIASSG	A KGKRFMLPNAEYL	LIHQPMGGTGGGTQQSDMAIAAEQLLKRKKLE	E Q	160
NTDB id	50637	MY9 RS17385 WP 014665471.1	M AIYDTMQFIKP	KVSTICIGMAASMGAFLLAAGE	GKGKYALPNSEVMIHQPLGGAQG..	. . QATIEIEIAAKRIILLLRDKLN	N K	152
NTDB id	86	BSU 34540 NP 391334.1	M AIYDTMQFIKP	KVSTICIGMAASMGAFLLAAGE	GKGKYALPNSEVMIHQPLGGAQG..	. . QATIEIEIAAKRIILLLRDKLN	N K	152
NTDB id	1223	Cj0192c YP 002343650.1	F S IYDTMNVIKPD	VCTTCIGQAASMGAFLLSCGAE	GKRFALPNSRIMIHQPLGGARG.	. . QATDIEIQAKEILRLITIND		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	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAENSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAAQNAGKTIKQIHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAAQNAGKTIKQIHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTIKQIHKDAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id 50637 MY9 RS17385 WP 014665471.1	VLAERTTGQPLEVIERDTRDNFKSAEEALEYGLIDKILTHTEDK.	196
NTDB id 86 BSU 34540 NP 391334.1	VLAERTTGQPLEVIERDTRDNFKSAEEALEYGLIDKILTHTEDKK	197
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNITIKQKVAKIAKTDTERDFFMSAQEAKKEYGLIDKVLEKSFK..	194
consensus	*!*****!****!*!!**!!!***!!*!!!!*!!*!!*!!*	

 non conserved
 similar
 $\geq 50\%$ conserved