

NTDB id	602	KW2	RS03060	WP	011834647.1		MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANS	I	AQLFLDQAQDNTKDIIYLVNTPGGSVSAG	75
NTDB id	611	V4T04	RS07970	WP	003129593.1		MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANS	I	AQLFLDQAQDNTKDIIYLVNTPGGSVSAG	75
NTDB id	330	STU	RS11365	WP	002949732.1		MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPIEDNMANS	I	AQLFLDQAQDNTKDIIYLVNTPGGSVSAG	72
NTDB id	298	STER	RS01925	WP	002949732.1		MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPIEDNMANS	I	AQLFLDQAQDNTKDIIYLVNTPGGSVSAG	72
NTDB id	282	KZH43	RS03215	WP	000613477.1		MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANS	V	AQLFLDAQDS TKDIIYLVNTPGGSVSAG	72
NTDB id	246	SPD	RS03495	WP	000613477.1		MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANS	V	AQLFLDAQDS TKDIIYLVNTPGGSVSAG	72
NTDB id	244	SPR	RS03300	WP	000613477.1		MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANS	V	AQLFLDAQDS TKDIIYLVNTPGGSVSAG	72
NTDB id	242	SP	RS03655	WP	000613477.1		MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANS	V	AQLFLDAQDS TKDIIYLVNTPGGSVSAG	72
NTDB id	308861	DZN94	RS07585	WP	011284532.1		MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANS	V	AQLFLDAQDNTKDIIYLVNTPGGSVSAG	72
NTDB id	446	SpyM6JR54	RS01695	WP	002985850.1		MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANS	V	AQLFLDAQDNTKDIIYLVNTPGGSVSAG	72
NTDB id	445	SPYM3	RS01720	WP	002985850.1		MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANS	V	AQLFLDAQDNTKDIIYLVNTPGGSVSAG	72
NTDB id	376	SMU	RS07595	WP	255262720.1	MELKEKEYS	MIPVV	EIQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANS	I	AQLFLDQAQDNTKDIIYLYINS PGGSVSAG	80
NTDB id	1223	Cj0192c	YP	002343650.1		MFIPY	VIEKSSRGRSYDIYSRLKDRIIMLSGETIHDELAAS	I	V AQLFL EAD PTKDIIYLY INS PGGV ITS G	73	
NTDB id	86	BSU	34540	NP	391334.1		MNL	IPTVIEQTNRGERAYDIYSRLKDRIIMLGSAIDDNVANIS	I	V S QLL FLA AE DPE KE IS LY INS PGGS IT AG	74
consensus							**! ! * ! ! *	* ! ! * ! ! *	* ! ! * ! ! *	* ! ! * ! ! *	* ! ! * ! ! *

NTDB id	602	KW2 RS03060 WP 011834647.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGGKRFMLPNAEYLIHQPMGGAGQG	TQQTDMAIVA EQLLKTRKRLEQ	155
NTDB id	611	V4T04 RS07970 WP 003129593.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGGKRFMLPNAEYLIHQPMGGTGQG	TQQTDMAIVA EQLLKTRKRLEQ	155
NTDB id	330	STU RS11365 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGGKRFMLPNAEYMIHQPMGGTGGGT	TQQTDMAIAAEHLLKTRNNLEQ	152
NTDB id	298	STER RS01925 WP 002949732.1	LAIVDTMNFIKS	DVQTI VMGMAASMGTTIASSGT	TGGKRFMLPNAEYMIHQPMGGTGGGT	TQQTDMAIAAEHLLKTRNNLEQ	152
NTDB id	282	KZH43 RS03215 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGA	TGGKRFMLPNAEYMIHQPMGGTGGGT	TQQTDMAIAAEHLLKTRNMLEK	152
NTDB id	246	SPD RS03495 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGA	TGGKRFMLPNAEYMIHQPMGGTGGGT	TQQTDMAIAAEHLLKTRNMLEK	152
NTDB id	244	SPR RS03300 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGA	TGGKRFMLPNAEYMIHQPMGGTGGGT	TQQTDMAIAAEHLLKTRNMLEK	152
NTDB id	242	SP RS03655 WP 000613477.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGA	TGGKRFMLPNAEYMIHQPMGGTGGGT	TQQTDMAIAAEHLLKTRNMLEK	152
NTDB id	308861	DZN94 RS07585 WP 011284532.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYMIHQPMGGTGGGT	TQQTDMAIAAEHLLKTRHRLEK	152
NTDB id	446	SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYMIHQPMGGTGGGT	TQQTDMAIAAEHLLKTRHRLEK	152
NTDB id	445	SPYM3 RS01720 WP 002985850.1	LAIVDTMNFIKA	DVQTI VMGMAASMGTVIASSGT	TGGKRFMLPNAEYMIHQPMGGTGGGT	TQQTDMAIAAEHLLKTRHRLEK	152
NTDB id	376	SMU RS07595 WP 255262720.1	LAIVDTMNFIKS	DVQTI VMGTAASMGTTIASSGA	TGGKRFMLPNAEYLIHQPMGGTGGGT	QS DMAIAAEEQLLKTRKKLEK	160
NTDB id	1223	Cj0192c YP 002343650.1	FSIIYDTMNFIKP	DVCTICIGQAASMGAFLLSCGA	EKGKRFALPNSEVRIMIHQPLGGARG..	QATDIEIQAKEITLRKLTLND	151
NTDB id	86	BSU 34540 NP 391334.1	MAIYDTMQFLPKPVST	TCIGMAASMGAFLLAAEG	GKGRYALPNSEVMIHQPLGGAQG..	QATEIEIAAKRIILLRDKLNK	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	ILADNSGQPPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	298	STER	RS01925	WP	002949732.1	ILADNSGQPPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	282	KZH43	RS03215	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	246	SPD	RS03495	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	244	SPR	RS03300	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	242	SP	RS03655	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	308861	DZN94	RS07585	WP	011284532.1	ILAAQNAGKTIKQIHKKDAERDYWMSAEETLTYGFIDEIMENNELK.	196
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	ILAAQNAGKTIKQIHKKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id	445	SPYM3	RS01720	WP	002985850.1	ILAAQNAGKTIKQIHKKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id	376	SMU	RS07595	WP	255262720.1	ILSDNSGKTIKQIHKKDAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id	1223	Cj0192c	YP	002343650.1	ILAKNTKQKVAKIAKDTERDFFMSAQEAKHEYGLIDKVLKSFK..	194	
NTDB id	86	BSU	34540	NP	391334.1	VLAERTGGPLEVIERDTDRDNFKAEEALEYGLIDKILTHTEDKK	197
consensus						*!***** * * * ! * * * ! * * * ! * * * ! * * * ! * * *	

 non conserved
 similar
 $\geq 50\%$ conserved