

NTDB id 602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRL	LKDRIIMLTGPVED	GMANS	IIAQLFLDAQDN	TKDIYLYVNT	PGGSVSAG	75
NTDB id 611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRL	LKDRIIMLTGPVED	GMANS	IIAQLFLDAQDN	TKDIYLYVNT	PGGSVSAG	75
NTDB id 330 STU RS11365 WP 002949732.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGP	IEDNMANS	IIAQLFLDAQDN	TKDIYLYVNT	PGGSVSAG
NTDB id 298 STER RS01925 WP 002949732.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGP	IEDNMANS	IIAQLFLDAQDN	TKDIYLYVNT	PGGSVSAG
NTDB id 282 KZH43 RS03215 WP 000613477.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVED	NMANS	VIAQLFLDAQDN	STKDIYLYVNT	PGGSVSAG
NTDB id 246 SPD RS03495 WP 000613477.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVED	NMANS	VIAQLFLDAQDN	STKDIYLYVNT	PGGSVSAG
NTDB id 244 SPR RS03300 WP 000613477.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVED	NMANS	VIAQLFLDAQDN	STKDIYLYVNT	PGGSVSAG
NTDB id 242 SP RS03655 WP 000613477.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVED	NMANS	VIAQLFLDAQDN	STKDIYLYVNT	PGGSVSAG
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVED	NMANS	VIAQLFLDAQDN	TKDIYLYVNT	PGGSVSAG
NTDB id 445 SPYM3 RS01720 WP 002985850.1		MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVED	NMANS	VIAQLFLDAQDN	TKDIYLYVNT	PGGSVSAG
NTDB id 376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSRGRS	YDIYSRL	LKDRIIMLTGPVED	NMANS	IIAQLFLDAQDN	TKDIYLY	INS
NTDB id 1223 Cj0192c YP 002343650.1	MFIP	YVIEKSSRGRS	YDIYSRL	LKDRIIMLT	SGETHDELAAS	IVAQLFL	EAED	PTKDIYLY
NTDB id 364872 BCPR1 RS14075 WP 000991625.1	MNA	IPYVIEQTKL	GRS	YDIYSRL	LKDRIIVIGSEINDQV	ASSVVAQLFL	EAEDA	EKDI
NTDB id 86 BSU 34540 NP 391334.1	MNL	IPTVIEQTNRGER	AYDIYSRL	LKDRIIMLT	GSAIDDNVANS	IVS	QLFL	LAED
consensus		***	*	*	*	*	*	*

NTDB id	602 KW2 RS03060 WP 011834647.1	LAIVDTMNFIKSDVQTIIVMGMAASMGTLIASSGTGKGRFMLPNAEYLHQPMMGGAGCGTQQTDMAIVAEEQLLKTRKRLEQ	155
NTDB id	611 V4T04 RS07970 WP 003129593.1	LAIVDTMNFIKSDVQTIIVMGMAASMGTLIASSGTGKGRFMLPNAEYLHQPMMGGTCQGTTQTDMATAVAEQLLKTRKRLEQ	155
NTDB id	330 STU RS11365 WP 002949732.1	LAIVDTMNFIKSDVQTIIVMGMAASMGTLIASSGTGKGRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLTKRNNLEQ	152
NTDB id	298 STER RS01925 WP 002949732.1	LAIVDTMNFIKSDVQTIIVMGMAASMGTLIASSGTGKGRFMLPNAEYMIHQPMGGTGCTGGGTQQTDMAIAAEHLTKRNNLEQ	152
NTDB id	282 KZH43 RS03215 WP 000613477.1	LAIVDTMNFIKAADVQTIIVMGMAASMGTVIASSGAKGKRFMLPNAEYMIHPMGGTGGGTQQTDMAIAAEHLKTNRNMLEK	152
NTDB id	246 SPD RS03495 WP 000613477.1	LAIVDTMNFIKAADVQTIIVMGMAASMGTVIASSGAKGKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTNRNMLEK	152
NTDB id	244 SPR RS03300 WP 000613477.1	LAIVDTMNFIKAADVQTIIVMGMAASMGTVIASSGAKGKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTNRNMLEK	152
NTDB id	242 SP RS03655 WP 000613477.1	LAIVDTMNFIKAADVQTIIVMGMAASMGTVIASSGAKGKRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTNRNMLEK	152
NTDB id	446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNFIKAADVQTIIVMGMAASMGTVIASSGTGKGRFMLPNAEYMIHQPMGGTGCTGGGTQQTDMAIAAEHLKTNRHRLEK	152
NTDB id	445 SPM3 RS01720 WP 002985850.1	LAIVDTMNFIKAADVQTIIVMGMAASMGTVIASSGTGKGRFMLPNAEYMIHQPMGGTGGGTQQTDMAIAAEHLKTNRHRLEK	152
NTDB id	376 SMU RS07595 WP 255262720.1	LAIVDTMNFIKSDVQTIIVMGLTAASMGTLIASSGAKGKRFMLPNAEYLHQPMMGGTGGGTQCSDMAIAAEEQLLKTRKKLEK	160
NTDB id	1223 Cj0192c YP 002343650.1	FSTLYDTMNLIKPDVCITICIGQAASMGAFILSCGAEGKFALPNSEIMIHQPLGGARG..CATDIEIQAKEILLKLTIND	151
NTDB id	364872 BCPRI RS14075 WP 000991625.1	FATLIDTMNLIKPDVQTLICMFAAISFGALLLSGAKGKRFALPNSEIMIHPQLGGAQG..CATEIEITAKRLIKLKHDLINK	152
NTDB id	86 BSU 34540 NP 391334.1	MAYLDVTMQFIKPKVSTLCIGAASMSGAFILAAGEKGKRYALPNSEVMIHQPLGGAQG..CATEIEIAAKRLILLRDKLNK	152
consensus		**+*****++**+++***+****+*****+*****+*****+*****+*****+*****+	

NTDB id	602 KW2 RS03060 WP 011834647.1	ILADNSNRSLKQTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id	611 V4T04 RS07970 WP 003129593.1	ILADNSNRSLKQTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id	330 STU RS11365 WP 002949732.1	ILAENSNGQPTEKVHVDARNDWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	298 STER RS01925 WP 002949732.1	ILAENSNGQPTEKVHVDARNDWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id	282 KZH43 RS03215 WP 000613477.1	ILLAENSESGQSMEKVHADAEARNWMSAQETLEYGFIDEIMANNLSN.	196
NTDB id	246 SPD RS03495 WP 000613477.1	ILLAENSESGQSMEKVHADAEARNWMSAQETLEYGFIDEIMANNLSN.	196
NTDB id	244 SPR RS03300 WP 000613477.1	ILLAENSESGQSMEKVHADAEARNWMSAQETLEYGFIDEIMANNLSN.	196
NTDB id	242 SP RS03655 WP 000613477.1	ILLAENSESGQSMEKVHADAEARNWMSAQETLEYGFIDEIMANNLSN.	196
NTDB id	446 SpyM6JRS4 RS01695 WP 002985850.1	ILAAQNAGKTIIKKQHKAERDYWMSEAETLAYGFIDEIMENNELK.	196
NTDB id	445 SPYM3 RS01720 WP 002985850.1	ILAAQNAGKTIIKKQHKAERDYWMSEAETLAYGFIDEIMENNELK.	196
NTDB id	376 SMU RS07595 WP 255262720.1	IISDNSGSKTIKKQHKAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id	1223 Cj0192c YP 002343650.1	ILAKNTKKVKVAKIAKDTERDFEWSAQAKEYGLIDKWLEKSFK..	194
NTDB id	364872 BCPR1 RS14075 WP 000991625.1	MIAEKTKGPPIERVVAHDTERDYFMIAEEAKAYGIIDDVVTTKK...	193
NTDB id	86 BSU 34540 NP 391334.1	VLAERTGGPLEVIERTDRDNFSAEEALEYGLIDKIILTHTEDKK	197
consensus		* * * * *	

 non conserved
 similar
 $\geq 50\%$ conserved