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NTDB id 602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id 611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLLKDRIIMLTGTPVEDGMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id 330 STU RS11365 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 298 STER RS01925 WP 002949732.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 282 KZH43 RS03215 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 246 SPD RS03495 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 244 SPR RS03300 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 242 SP RS03655 WP 000613477.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 445 SPYM3 RS01720 WP 002985850.1		MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id 376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSRGRERSYDIYSRLLKDRIIMLTGTPVEDNMANSIIAQLLFDAQDN	TKDIYLYNTPGGSVSAG	80
NTDB id 340588 ETK61 RS19200 WP 003228214.1	MNL	IPTVIEQTNRGERAYDIYSRLLKDRIIMLTGSAIDDNVANSIVS	QLLFLAAEDPEKEISLYINSPGGSSITAG	74
NTDB id 86 BSU 34540 NP 391334.1	MNL	IPTVIEQTNRGERAYDIYSRLLKDRIIMLTGSAIDDNVANSIVS	QLLFLAAEDPEKEISLYINSPGGSSITAG	74
NTDB id 1223 Cj0192c YP 002343650.1	MFIP	VIEKSSRGRERSYDIYSRLLKDRIIMLTSGEIHDELAAASIV	AQLLFLEADPTKDIYLYINSPGGVITS	73
consensus		***!***!!		

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NTDB id 602 KW2 RS03060 WP 011834647.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	155
NTDB id 611 V4T04 RS07970 WP 003129593.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	155
NTDB id 330 STU RS11365 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	152
NTDB id 298 STER RS01925 WP 002949732.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	152
NTDB id 282 KZH43 RS03215 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	152
NTDB id 246 SPD RS03495 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	152
NTDB id 244 SPR RS03300 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	152
NTDB id 242 SP RS03655 WP 000613477.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	152
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	152
NTDB id 445 SPYM3 RS01720 WP 002985850.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	152
NTDB id 376 SMU RS07595 WP 255262720.1	LAIVDTMNF	IKSDVQTI	VMGMAASMGTYIASSG	TKGRF	MPLNAEY	MIHQPMGGTGGGT	QQTDM	IAAEHLLKTR	NTLEK	160
NTDB id 340588 ETK61 RS19200 WP 003228214.1	MAIYDTM	QFIKPKVST	ICIGMAASMGAFIL	LAAGE	BKGRYALPNSEV	MIHQPLGGAQG	..	QATEIEIAAKRILLRDKLNK		152
NTDB id 86 BSU 34540 NP 391334.1	MAIYDTM	QFIKPKVST	ICIGMAASMGAFIL	LAAGE	BKGRYALPNSEV	MIHQPLGGAQG	..	QATEIEIAAKRILLRDKLNK		152
NTDB id 1223 Cj0192c YP 002343650.1	FSIYDTM	NYIKP	DVCTICIGQAASMGAFIL	LSGCAE	BKRFALPNSRIM	MIHQPLGCA	RG..	QATDIEIQAKEILLRDKLNK		151
consensus		***!***!!								

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NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNR	SLEQIHK	DAERD	HWMDAK	ETLEYGF	FIDEIM	ENNSLK		199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNR	SLEQIHK	DAERD	HWMDAK	ETLEYGF	FIDEIM	ENNSLK		199
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQ	PIEKVHV	DAERD	NWMSAQ	ETLEYGF	FIDEIM	TNNQLK		196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQ	PIEKVHV	DAERD	NWMSAQ	ETLEYGF	FIDEIM	TNNQLK		196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENS	GQSMEK	VHADA	ERDNWMSAQ	ETLEYGF	FIDEIM	ANNLSN		196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENS	GQSMEK	VHADA	ERDNWMSAQ	ETLEYGF	FIDEIM	ANNLSN		196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENS	GQSMEK	VHADA	ERDNWMSAQ	ETLEYGF	FIDEIM	ANNLSN		196
NTDB id 242 SP RS03655 WP 000613477.1	ILAENS	GQSMEK	VHADA	ERDNWMSAQ	ETLEYGF	FIDEIM	ANNLSN		196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAG	KTIKQIHK	DAERD	YWMSAE	ETLAYGF	FIDEIM	ENNELK		196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAG	KTIKQIHK	DAERD	YWMSAE	ETLAYGF	FIDEIM	ENNELK		196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSG	KTIKQIHK	DAERD	YWMDAK	ETLKYGF	FIDEIM	ENNELK		204
NTDB id 340588 ETK61 RS19200 WP 003228214.1	VLAERT	GQPLEVIER	DTDRDN	EKSABE	ALEYGL	IDKIL	THTEDKK		197
NTDB id 86 BSU 34540 NP 391334.1	VLAERT	GQPLEVIER	DTDRDN	EKSABE	ALEYGL	IDKIL	THTEDKK		197
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNT	KIKQVAK	IAKD	TERDFF	MSAQE	AKLEYGL	IDKILEKSFK		194
consensus		***!***!!							

 non conserved
 similar
 $\geq 50\%$ conserved