

NTDB id	602	KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id	611	V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id	330	STU RS11365 WP 002949732.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPIEDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	298	STER RS01925 WP 002949732.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPIEDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	282	KZH43 RS03215 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	246	SPD RS03495 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	244	SPR RS03300 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	242	SP RS03655 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	446	SpyM6JRS4 RS01695 WP 002985850.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	445	SPYM3 RS01720 WP 002985850.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	376	SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDN	TKDIYLYINSPGGSVSAG	80
NTDB id	984314	MKY11 RS16605 WP 024719872.1	MNL	IPTVIEQTNRGERAYDIYSRLKDRIIMLGSAIDNVAISVSQLLFLEAEDPEKD	ISIIYNISPGGSI	74
NTDB id	86	BSU 34540 NP 391334.1	MNL	IPTVIEQTNRGERAYDIYSRLKDRIIMLGSAIDNVAISVSQLLFLAAEDPEKE	EISLYINSPGGSI	74
NTDB id	1223	Cj0192c YP 002343650.1	MFIP	PYVIEKSSRGRSYDIYSRLKDRIIMLSGEIHDELAASIVAQLFLFAEDP	TKDIYLYINSPGGVI	73
consensus				**!*!*	*****!	*!*****!*****!*****!*****!*****!*****!*****!*****!

[illegible]

NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFI	DEIMENNS	SLK..	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFI	DEIMENNS	SLK..	199
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFI	DEIMTNNQ	LK..	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFI	DEIMTNNQ	LK..	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFI	DEIMANNS	SLN..	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFI	DEIMANNS	SLN..	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFI	DEIMANNS	SLN..	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFI	DEIMANNS	SLN..	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAAQNA	GKTIKQIHKDAERDYWMSAE	ETLAYGFI	DEIMENNEL	LK..	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAAQNA	GKTIKQIHKDAERDYWMSAE	ETLAYGFI	DEIMENNEL	LK..	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGK	TIKQIHKDAERDYWMDAK	ETLKYGFI	DEIMENNEL	LK..	204
NTDB id 984314 MKY11 RS16605 WP 024719872.1	VLAERTGQ	PIEVIERDTRDRNFKTAE	EALQYGLIDK	VLTRNSEE	QK	198
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGQ	PIEVIERDTRDRNFKSAE	EALYGLIDK	ILTHTED	KK.	197
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIK	QKVAKIAKDTERDF	FMSAQEAK	EYGLIDKV	LEKSF	194
consensus	*****	*****	*****	*****	*****	

 non conserved
 similar
 $\geq 50\%$ conserved