

NTDB id	602	KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANSIIAQLFLDQAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id	611	V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANSIIAQLFLDQAQDN	TKDIYLYVNTPGGSVSAG	75
NTDB id	330	STU RS11365 WP 002949732.1	MIPVV	IEQTSGERSYDIYSRLKDRIIMLTGPIEDNMANSIIAQLFLDQAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	298	STER RS01925 WP 002949732.1	MIPVV	IEQTSGERSYDIYSRLKDRIIMLTGPIEDNMANSIIAQLFLDQAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	282	KZH43 RS03215 WP 000613477.1	MIPVV	IEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDQAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	246	SPD RS03495 WP 000613477.1	MIPVV	IEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDQAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	244	SPR RS03300 WP 000613477.1	MIPVV	IEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDQAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	242	SP RS03655 WP 000613477.1	MIPVV	IEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDQAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	376	SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDQAQDN	TKDIYLYINSPGGSVSAG	80
NTDB id	446	SpyM6JRS4 RS01695 WP 002985850.1	MIPVV	IEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDQAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	445	SPYM3 RS01720 WP 002985850.1	MIPVV	IEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDQAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	1223	Cj0192c YP 002343650.1	MFIPY	VIEQSSRGERAYDIYSRLKDRIIMLSGEIHDELAASIVAQLLFLEADPT	TKDIYLYINSPGGVITSG	73
NTDB id	66967	BASH2 RS03165 WP 001049158.1	MNLIP	TVIEQTNRGERAYDIYSRLKDRIIMLGSAIDNVANSIVSQLLFLESQDPEKDHI	TYINSPGGSITAG	74
NTDB id	86	BSU 34540 NP 391334.1	MNLIP	TVIEQTNRGERAYDIYSRLKDRIIMLGSAIDNVANSIVSQLLFLAAEDPEKEIS	LYINSPGGSITAG	74
consensus						**!*!*****!!**!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!*!!

[illegible]

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	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAE NSGQSMEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTIKQIHKDAERDYWMDAKETLKYGFIIDEIMENNELK.	204
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAGKTIKQIHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAGKTIKQIHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTIKQKVAKTAKDTERDFFMSAQEAKLEYGLIDKVLKSFK..	194
NTDB id 66967 BASH2 RS03165 WP 001049158.1	ILADRTGQPLEVLQRDTRDRDNFMTAEKALEYGLIDKIFTNRR...	193
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGQPLEVIERDTRDRDNFKSAEALAYGLIDKILTHTEDKK	197
consensus	*!***** **!*!!**!*! *****! **!*! **!* ** *	

 non conserved
 similar
 $\geq 50\%$ conserved