

NTDB id	602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLCLKDRIIMLTGPVEDG	MANSIIAQLFLDAQDN TKDIYLYVNTPGGSVSAG	75
NTDB id	611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLCLKDRIIMLTGPVEDG	MANSIIAQLFLDAQDN TKDIYLYVNTPGGSVSAG	75
NTDB id	193311 BEN15 RS04905 WP 002949732.1	MIPVV	IETSRGERSYDIYSRLCLKDRIIMLTGPIEDNMANS	IIAQLFLDAQDN TKDIYLYVNTPGGSVSAG	72
NTDB id	330 STU RS11365 WP 002949732.1	MIPVV	IETSRGERSYDIYSRLCLKDRIIMLTGPIEDNMANS	IIAQLFLDAQDN TKDIYLYVNTPGGSVSAG	72
NTDB id	298 STER RS01925 WP 002949732.1	MIPVV	IETSRGERSYDIYSRLCLKDRIIMLTGPIEDNMANS	IIAQLFLDAQDN TKDIYLYVNTPGGSVSAG	72
NTDB id	282 KZH43 RS03215 WP 000613477.1	MIPVV	IETSRGERSYDIYSRLCLKDRIIMLTGPVEDNMAN	SVAIQLFLDAQDS TKDIYLYVNTPGGSVSAG	72
NTDB id	246 SPD RS03495 WP 000613477.1	MIPVV	IETSRGERSYDIYSRLCLKDRIIMLTGPVEDNMAN	SVAIQLFLDAQDS TKDIYLYVNTPGGSVSAG	72
NTDB id	244 SPR RS03300 WP 000613477.1	MIPVV	IETSRGERSYDIYSRLCLKDRIIMLTGPVEDNMAN	SVAIQLFLDAQDS TKDIYLYVNTPGGSVSAG	72
NTDB id	242 SP RS03655 WP 000613477.1	MIPVV	IETSRGERSYDIYSRLCLKDRIIMLTGPVEDNMAN	SVAIQLFLDAQDS TKDIYLYVNTPGGSVSAG	72
NTDB id	446 SpyMJRS4 RS01695 WP 002985850.1	MIPVV	IETSRGERSYDIYSRLCLKDRIIMLTGPVEDNMAN	SVAIQLFLDAQDN TKDIYLYVNTPGGSVSAG	72
NTDB id	445 SPYM3 RS01720 WP 002985850.1	MIPVV	IETSRGERSYDIYSRLCLKDRIIMLTGPVEDNMAN	SVAIQLFLDAQDN TKDIYLYVNTPGGSVSAG	72
NTDB id	376 SMU RS07595 WP 255262720.1	MELKEKYS	MIPVV IETSRGERSYDIYSRLCLKDRIIMLTGPVEDNMAN	SIIAQLFLDAQDN TKDIYLYINSPGGSVSAG	80
NTDB id	86 BSU 34540 NP 391334.1	MNL	IPTVIEQTNRGERAYDIYSRLCLKDRIIMLGS	AIDNVANISVSQLLFLAEDEPEKETISLYINSPGG SITAG	74
NTDB id	1223 Cj0192c YP 002343650.1	MF	IPYVIEKSSRGERSYDIYSRLCLKDRIIMLSGEIHDELAA	SIVAQLFLFAEDPTTKDIYLYINSPGGVITSG	73
consensus					** * *

[illegible]

NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSL E QTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL E QTHKDAERDHWMDAKETLEYGFIDEIMENNSLK.	199
NTDB id 193311 BEN15 RS04905 WP 002949732.1	ILADNSGQPTEKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPTEKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPTEKVHVDAERDNWMSAQETLEYGFIDEIMTNQLK.	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENS G QSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENS G QSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENS G QSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAENS G QSMEKVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNAGKTI K QTHKDAERDYWMSA E TLAYGFIDEIMENNELK.	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNAGKTI K QTHKDAERDYWMSA E TLAYGFIDEIMENNELK.	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSCKTIKQTHKDAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id 86 BSU 34540 NP 391334.1	VLAERTGGPLEVTERDTRDNFKSAEAL E YGLIDKILTHTEDKK	197
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNTKQKVAKI A KDTERDFMSAQEAKEYGLIDKIVLEKSFK..	194
consensus	*!*****!*!!**!*!*!*!*!*!*!*!*!*!*!*!*!*!*!	

 non conserved
 similar
 $\geq 50\%$ conserved