

NTDB	id	281804 LL14B4 RS03065 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIMLTGPVEDGMANSIIAQLFLDAQDNTKD IYLYVNTPGGVS	SAG	75
NTDB	id	611 V4T04 RS07970 WP 003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIMLTGPVEDGMANSIIAQLFLDAQDNTKD IYLYVNTPGGVS	SAG	75
NTDB	id	602 KW2 RS03060 WP 011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIMLTGPVEDGMANSIIAQLFLDAQDNTKD IYLYVNTPGGVS	SAG	75
NTDB	id	330 STU RS11365 WP 002949732.1	MIPV	VIEQTSRGERSYDIYSRLKDRIMLTGPTEDNMANSIIAQLFLDAQDNTKD IYLYVNTPGGVS	SAG	72
NTDB	id	298 STER RS01925 WP 002949732.1	MIPVV	VIEQTSRGERSYDIYSRLKDRIMLTGPTEDNMANSIIAQLFLDAQDNTKD IYLYVNTPGGVS	SAG	72
NTDB	id	282 KZH43 RS03215 WP 000613477.1	MIPVV	VIEQTSRGERSYDIYSRLKDRIMLTGPVEDNMANSVIAQLFLDAQDSTKD IYLYVNTPGGVS	SAG	72
NTDB	id	246 SPD RS03495 WP 000613477.1	MIPVV	VIEQTSRGERSYDIYSRLKDRIMLTGPVEDNMANSVIAQLFLDAQDSTKD IYLYVNTPGGVS	SAG	72
NTDB	id	244 SPR RS03300 WP 000613477.1	MIPVV	VIEQTSRGERSYDIYSRLKDRIMLTGPVEDNMANSVIAQLFLDAQDSTKD IYLYVNTPGGVS	SAG	72
NTDB	id	242 SP RS03655 WP 000613477.1	MIPVV	VIEQTSRGERSYDIYSRLKDRIMLTGPVEDNMANSVIAQLFLDAQDSTKD IYLYVNTPGGVS	SAG	72
NTDB	id	376 SMU RS07595 WP 255262720.1	MELKEKEYS	MIPVVVIEQTSRGERSYDIYSRLKDRIMLTGPVEDNMANSIIAQLFLDAQDNTKD IYLYINSPGGVS	SAG	80
NTDB	id	446 SpyM6JRS4 RS01695 WP 002985850.1	MIPVV	VIEQTSRGERSYDIYSRLKDRIMLTGPVEDNMANSVIAQLFLDAQDNTKD IYLYVNTPGGVS	SAG	72
NTDB	id	445 SPYM3 RS01720 WP 002985850.1	MIPVV	VIEQTSRGERSYDIYSRLKDRIMLTGPVEDNMANSVIAQLFLDAQDNTKD IYLYVNTPGGVS	SAG	72
NTDB	id	1223 Cj0192c YP 002343650.1	MFIPY	VIEKSSRGRERSYDIYSRLKDRIMIISGEIHDELAASIVAQLFLFAEDPTKD IYLYINS	PPGVITSG	73
NTDB	id	86 BSU 34540 NP 391334.1	MNLIPT	VIEQTNRGERAYDIYSRLKDRIMIIGSAIDNNVANSIVSQLFLFAEDPEKEISL	YNISPGGSI	74
consensus			** * *	* ** *	* ** *	* ** *

[illegible]

NTDB id 281804 LL14B4 RS03065 WP 003129593.1	ILADNSNRSL	EQIHKDAERD	HWM	DAKETLEYGFIDEIMENN	SLK	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL	EQIHKDAERD	HWM	DAKETLEYGFIDEIMENN	SLK	199
NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSL	EQIHKDAERD	HWM	DAKETLEYGFIDEIMENN	SLK	199
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPI	EKVHVDAERD	NWMSA	QETLEYGFIDEIMTNN	QLK	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPI	EKVHVDAERD	NWMSA	QETLEYGFIDEIMTNN	QLK	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAENSGQSM	EKVHADAERD	NWMSA	QETLEYGFIDEIMANN	SLN	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAENSGQSM	EKVHADAERD	NWMSA	QETLEYGFIDEIMANN	SLN	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAENSGQSM	EKVHADAERD	NWMSA	QETLEYGFIDEIMANN	SLN	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAENSGQSM	EKVHADAERD	NWMSA	QETLEYGFIDEIMANN	SLN	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSDNSGKTI	KQIHKDAERD	YWM	DAKETLKYGFIDEIMENN	ELK	204
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNA	GKTIKQIHKDAERD	YWMSA	EETLAYGFIDEIMENN	ELK	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNA	GKTIKQIHKDAERD	YWMSA	EETLAYGFIDEIMENN	ELK	196
NTDB id 1223 Cj0192c YP 002343650.1	ILAKN	KQKVAKIAK	DTERRF	FMSAQEAK	EYGLIDK	VLEKSFK.. 194
NTDB id 86 BSU 34540 NP 391334.1	VLAERT	GQPLEVIER	DTDRDN	FKSAEEA	EYGLIDK	ILTHTEDKK 197
consensus	* * *	* * * * * * * * *	* * * * *	* * * * *	* * * * *	* * *

 non conserved
 similar
 $\geq 50\%$ conserved