

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	VIEQTSGERSYDIYSRLKDRIIMLTGTIEDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	298	STER	RS01925	WP	002949732.1	MIPVV	IEQTSRGERSYDIYSRLKDRIIMLTGTEIDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	282	KZH43	RS03215	WP	000613477.1	MIPV	VIEQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	246	SPD	RS03495	WP	000613477.1	MIPV	VIEQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	244	SPR	RS03300	WP	000613477.1	MIPV	VIEQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	242	SP	RS03655	WP	000613477.1	MIPV	VIEQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	MIPVV	IEQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	445	SPYM3	RS01720	WP	002985850.1	MIPV	VIEQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	376	SMU	RS07595	WP	255262720.1	MELKEKYS	MIPVVIEQTSRGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDN	TKDIYLYINSPGGSVSAG	80
NTDB id	406411	GPA07	RS04005	WP	008361979.1	MNL	IPTVIEQTNRGERAYDIYSRLKDRIIMLGSAIDDNVANSIVSQLLFLEAEDPEKD	ISLIYNISPPGGSITAG	74
NTDB id	86	BSU	34540	NP	391334.1	MNL	IPTVIEQTNRGERAYDIYSRLKDRIIMLGSAIDDNVANSIVSQLLFLAAEDPEKE	EISLIYNISPPGGSITAG	74
NTDB id	1223	Cj0192c	YP	002343650.1	MFIP	PYVIEKSSRGERSYDIYSRLKDRIIMLSGEIHDELAAASIVAQLFLFAEDP	TKDIYLYINSPGGVITS	73	
consensus							**!*!*	*****!	*!!**!*!*

[illegible]

NTDB id 602 KW2 RS03060 WP 011834647.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFIDEIMENNSLK	..	199
NTDB id 611 V4T04 RS07970 WP 003129593.1	ILADNSNRSL	EQIHKDAERDHWMDAK	ETLEYGFIDEIMENNSLK	..	199
NTDB id 330 STU RS11365 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFIDEIMTNNQLK	..	196
NTDB id 298 STER RS01925 WP 002949732.1	ILADNSGQPI	EKVHVDAERDNWMSAQ	ETLEYGFIDEIMTNNQLK	..	196
NTDB id 282 KZH43 RS03215 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNSLN	..	196
NTDB id 246 SPD RS03495 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNSLN	..	196
NTDB id 244 SPR RS03300 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNSLN	..	196
NTDB id 242 SP RS03655 WP 000613477.1	ILAE NSGQSM	EKVHADAERDNWMSAQ	ETLEYGFIDEIMANNSLN	..	196
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1	ILAQNA	GKTIKQIHKDAERDYWMSAE	ETLAYGFIDEIMENNELK	..	196
NTDB id 445 SPYM3 RS01720 WP 002985850.1	ILAQNA	GKTIKQIHKDAERDYWMSAE	ETLAYGFIDEIMENNELK	..	196
NTDB id 376 SMU RS07595 WP 255262720.1	ILSD	NSGKTIKQIHKDAERDYWMDAK	ETLKYGFIDEIMENNELK	..	204
NTDB id 406411 GPA07 RS04005 WP 008361979.1	VL	SERTGQPIEVIERD	TDRDNFKTAE	EAL	EYGLIDKVLTRNTDEQK
NTDB id 86 BSU 34540 NP 391334.1	VLA	SERTGQPIEVIERD	TDRDNFKSAE	EAL	EYGLIDKILTHTEDKK
NTDB id 1223 Cj0192c YP 002343650.1	ILAKNT	IKQKVAKIAK	DTERDFFMSAQ	EAK	EYGLIDKVLKSFK
consensus	*****	*****	*****	*****	*****

 non conserved
 similar
 $\geq 50\%$ conserved