

NTDB id	602	KW2	RS03060	WP	011834647.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	75
NTDB id	611	V4T04	RS07970	WP	003129593.1	MGYL	VPTVIEQSSRGERAYDIYSRLKDRIIMLTGPVEDGMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	75
NTDB id	282	KZH43	RS03215	WP	000613477.1	MIPV	VIEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDS TKDIIYLYVNTPGGSVSAG	72
NTDB id	246	SPD	RS03495	WP	000613477.1	MIPV	VIEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDS TKDIIYLYVNTPGGSVSAG	72
NTDB id	244	SPR	RS03300	WP	000613477.1	MIPV	VIEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDS TKDIIYLYVNTPGGSVSAG	72
NTDB id	242	SP	RS03655	WP	000613477.1	MIPV	VIEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDS TKDIIYLYVNTPGGSVSAG	72
NTDB id	234037	BB313	RS08170	WP	000613483.1	MIPV	VIEQTSGERSYDIYSRLKDRIIMLTGQVEDNMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	330	STU	RS11365	WP	002949732.1	MIPV	VIEQTSGERSYDIYSRLKDRIIMLTGPIEDNMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	298	STER	RS01925	WP	002949732.1	MIPV	VIEQTSGERSYDIYSRLKDRIIMLTGPIEDNMANSIIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	MIPV	VIEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	445	SPYM3	RS01720	WP	002985850.1	MIPV	VIEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDQAQDNTKDIIYLYVNTPGGSVSAG	72
NTDB id	376	SMU	RS07595	WP	255262720.1	MELKEKYS	MIPVVIEQTSGERSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDQAQDNTKDIIYLYINSPPGGSVSAG	80
NTDB id	1223	Cj0192c	YP	002343650.1	MFIPY	VIEKSSRGRSYDIYSRLKDRIIMLSGEIHDELAAASIV AQLLFLAEADPTKDIIYLYINSPPGVITSG	73	
NTDB id	86	BSU	34540	NP	391334.1	MNL	IPTVIEQTNRGERAYDIYSRLKDRIIMLGSAIDDNVANSIVS QLLFLAAEDPEKEISLYINSPPGSITAG	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	282	KZH43	RS03215	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	246	SPD	RS03495	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	244	SPR	RS03300	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	242	SP	RS03655	WP	000613477.1	ILAENSQGSMSEKVVHADAERDNWMSAQETLEYGFIDEIMANNSLN.	196
NTDB id	234037	BB313	RS08170	WP	000613483.1	ILADNSGQSIEKVVDHAERDRWMSAQETLDYGFIDAIME>NNNLQ.	196
NTDB id	330	STU	RS11365	WP	002949732.1	ILADNSGQPPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id	298	STER	RS01925	WP	002949732.1	ILADNSGQPPIEKVHVDAERDNWMSAQETLEYGFIDEIMTNNQLK.	196
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	ILAAQNAGKTIIKQIHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id	445	SPYM3	RS01720	WP	002985850.1	ILAAQNAGKTIIKQIHKDAERDYWMSAEETLAYGFIDEIMENNELK.	196
NTDB id	376	SMU	RS07595	WP	255262720.1	ILSDNSGKTIKQIHKDAERDYWMDAKETLKYGFIDEIMENNELK.	204
NTDB id	1223	Cj0192c	YP	002343650.1	ILAKNTKKKVAKIAKDTERDFFMSAQEAKKEYGLIDKVLKSFK.	194	
NTDB id	86	BSU	34540	NP	391334.1	VLAERTGGPLELVIERDTDRDNFKAEEALEYGLIDKILTHTEDKK	197
consensus						*!*****!!****!*!!!!*!***!!**!	

 non conserved
 similar
 $\geq 50\%$ conserved