

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	VIEQTSGRSYDIYSRLKDRIIMLTGPTEEDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	298	STER RS01925 WP 002949732.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPIEDNMANSIIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	282	KZH43 RS03215 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	246	SPD RS03495 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	244	SPR RS03300 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	242	SP RS03655 WP 000613477.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDS	TKDIYLYVNTPGGSVSAG	72
NTDB id	446	SpyM6JRS4 RS01695 WP 002985850.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	445	SPYM3 RS01720 WP 002985850.1	MIPV	VIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSVIAQLFLDAQDN	TKDIYLYVNTPGGSVSAG	72
NTDB id	376	SMU RS07595 WP 255262720.1	MELKEKYS	MIPVVIEQTSGRSYDIYSRLKDRIIMLTGPVEDNMANSIIAQLFLDAQDN	TKDIYLYINSPGGSVSAG	80
NTDB id	90784	TM2 RS15880 WP 007500118.1	MNL	IPTVIEQTNRGERAYDIYSRLKDRIIMLGSAIDDNVANISVSQLLFLEAEDPEKDISIYINSPGGSI	TAG	74
NTDB id	86	BSU 34540 NP 391334.1	MNL	IPTVIEQTNRGERAYDIYSRLKDRIIMLGSAIDDNVANISVSQLLFLAAEEDPEKEISLYINSPGGSI	TAG	74
NTDB id	1223	Cj0192c YP 002343650.1	MFIP	PYVIEKSSRGRSYDIYSRLKDRIIMLSGEIHDELAASIVIAQLFLAEADPT	TKDIYLYINSPGGVITSG	73
consensus				**!*!*	*****!	*!*****!*****!*****!*****!*****!*****!*****!*****!*****!

NTDB id	602	KW2 RS03060 WP 011834647.1
NTDB id	611	V4T04 RS07970 WP 003129593.1
NTDB id	330	STU RS11365 WP 002949732.1
NTDB id	298	STER RS01925 WP 002949732.1
NTDB id	282	KZH43 RS03215 WP 000613477.1
NTDB id	246	SPD RS03495 WP 000613477.1
NTDB id	244	SPR RS03300 WP 000613477.1
NTDB id	242	SP RS03655 WP 000613477.1
NTDB id	446	SpyM6JRS4 RS01695 WP 002985850.1
NTDB id	445	SPYM3 RS01720 WP 002985850.1
NTDB id	376	SMU RS07595 WP 255262720.1
NTDB id	90784	TM2 RS15880 WP 007500118.1
NTDB id	86	BSU 34540 NP 391334.1
NTDB id	1223	Cj0192c YP 002343650.1
consensus		

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	ILADNSGQPTEKVVHDAERDNWMSAQETLEYGFIDEIMTNQLK..	196
NTDB id	298	STER	RS01925	WP	002949732.1	ILADNSGQPTEKVVHDAERDNWMSAQETLEYGFIDEIMTNQLK..	196
NTDB id	282	KZH43	RS03215	WP	000613477.1	ILAENSQGSMKEKVHADAEARNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id	246	SPD	RS03495	WP	000613477.1	ILAENSQGSMKEKVHADAEARNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id	244	SPR	RS03300	WP	000613477.1	ILAENSQGSMKEKVHADAEARNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id	242	SP	RS03655	WP	000613477.1	ILAENSQGSMKEKVHADAEARNWMSAQETLEYGFIDEIMANNSLN..	196
NTDB id	446	SpyM6JRS4	RS01695	WP	002985850.1	ILAAQNAGKTIKQIHKAERDYWMSAEEETLAYGFIDEIMENNELK..	196
NTDB id	445	SPYM3	RS01720	WP	002985850.1	ILAAQNAGKTIKQIHKAERDYWMSAEEETLAYGFIDEIMENNELK..	196
NTDB id	376	SMU	RS07595	WP	255262720.1	ILSDNSGKTIKQIHKAERDYWMDAKETLKYGFIDEIMENNELK..	204
NTDB id	90784	TM2	RS15880	WP	007500118.1	VLAERTGGPTEVIERDTDRDNFKTAEEALQYGLIDKVLTRNTEEQK	198
NTDB id	86	BSU	34540	NP	391334.1	VLAERTGGPTEVIERDTDRDNFKSAEEALEYGLIDKILTHTEDKK.	197
NTDB id	1223	Cj0192c	YP	002343650.1	ILAKNTIKQKVAKIAKDTERDFFMSAQEAKKEYGLIDKVLKSFK...	194	
consensus						*!*****!****!*!!**!!!***!!*!***!!*!!*!***	

 non conserved
 similar
 $\geq 50\%$ conserved