

NTDB id 320 STU RS10340 WP 002949220.1	MEQEVFVKA	YEKVRPIVLKAFRQYFIQLWDQ	31
NTDB id 47 STER RS00925 WP 002949220.1	MEQEVFVKA	YEKVRPIVLKAFRQYFIQLWDQ	31
NTDB id 468 HSISS4 RS00725 WP 021143466.1	MEQEVFVHA	YEVVRPIVLKASRQYFIQLWDQ	31
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	MEQEVFVHA	YEVVRPIVLKASRQYFIQLWDL	31
NTDB id 44 SMU RS09085 WP 002263585.1	MEEDFEIVFN	KVKPIVWKLSRYFFIKMWTR	30
NTDB id 424 SGO RS10430 WP 012130755.1	MKFEDVYKQVEG	IVKRCYKDYYLHLWEY	28
NTDB id 423 SGO RS08370 WP 012130755.1	MKFEDVYKQVEG	IVKRCYKDYYLHLWEY	28
NTDB id 457 SSUD9 RS00080 WP 002936602.1	MEFEKVYASVKG	IVNKARKEFYIKLWDR	28
NTDB id 461 GPW51 RS00080 WP 011921639.1	MEFEKVYASVKG	IVNKARKEFYIKLWDR	28
NTDB id 454 SSU RS00080 WP 011921639.1	MEFEKVYASVKG	IVNKARKEFYIKLWDR	28
NTDB id 582 DLJ51 RS00505 WP 002962720.1	MDKEKLKEIFNKH	SALPEEVEEFDDGMVKEVITAGLLFCLKEVL...DMDDSSFVSASFR	76
NTDB id 442 SPYM3 RS08515 WP 011106595.1	MS..CCFFVVLFILGIVKKKRLKMS	ETRAVFEKVKPIILKLKRHHYYIQLWDR	52
NTDB id 441 SPYM3 RS01385 WP 011106595.1	MS..CCFFVVLFILGIVKKKRLKMS	ETRAVFEKVKPIILKLKRHHYYIQLWDR	52
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	MS..CCFFVVLFILGIVKKKRLKMS	ETRAAFEKVKPIILKLKRHHYYIQLWDR	52
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	MS..CCFFVVLFILGIVKKKRLKMS	ETRAAFEKVKPIILKLKRHHYYIQLWDR	52
NTDB id 450 SPYM18 RS08475 WP 011018214.1	MS..CCFFVVLFILGIVKKKRLKMS	ETRAAFEKVKPIILKLKRHHYYIQLWDR	52
NTDB id 449 SPYM18 RS01395 WP 011018214.1	MS..CCFFVVLFILGIVKKKRLKMS	ETRAAFEKVKPIILKLKRHHYYIQLWDR	52
NTDB id 554 STRINF RS00370 WP 115283725.1	MDFERAYFQT	VKPIILKLKRHHYFVKLWDY	28
consensus	***	***!*****	***!***

NTDB id	320	STU RS10340 WP 002949220.1	ADMEQEAAMMTLYQLLK KFPDLEKDDDKL LRRYFKTKFRNRLNDEVRRQESVVKRQANRQCVEISDIAFCIPNKELD.MVDR	110
NTDB id	47	STER RS00925 WP 002949220.1	ADMEQEAAMMTLYQLLK KFPDLEKDDDKL LRRYFKTKFRNRLNDEVRRQESVVKRQANRQCVEISDIAFCIPNKELD.MVDR	110
NTDB id	468	HSISS4 RS00725 WP 021143466.1	ADMEQEAAMMTLYQLLEKFPELKSDDDKL LRRYFKTKFRNRLNDEVRRQESVVKRQANRQCYEIISDIAFCLPNKELD.AVDR	110
NTDB id	50	STRSA0001 RS07545 WP 002885610.1	ADMEQEAAMMTLYQLLEKFPELKSDDDKL LRRYFKTKFRNRLNDEVRRQESVVKRQANRQCYEIISDIAFCLPNKELD.AVDR	110
NTDB id	44	SMU RS09085 WP 002263585.1	EDWQQEGMILLHQLLREHPLEEEDDTKLYIFKTRFSNYIKDVLRRQESQKRKFNRMSYEEVGIEHCLSSGGMQ.LDEY	109
NTDB id	424	SGO RS10430 WP 012130755.1	ADWRQEGMLLVLYELLKSHPNLLEDQPRLRYFYKTKFRNRIHDLI RRQESQKRKLDRQPYYEVS EIGHRLRMKELY.LDEL	107
NTDB id	423	SGO RS08370 WP 012130755.1	ADWRQEGMLLVLYELLKSHPNLLEDQPRLRYFYKTKFRNRIHDLI RRQESQKRKLDRQPYYEVS EIGHRLRMKELY.LDEL	107
NTDB id	457	SSUD9 RS00080 WP 002936602.1	DDWEQEGMMTLFELLEAAQPWLVD EQQVQLCYCFKV VKFRNRIKDRI RKQESQKRKFDRMPHEDIHEL SHAIIQSPGLI.NDEL	107
NTDB id	461	GPW51 RS00080 WP 011921639.1	DDWEQEGMMTLFELLEAAQPWLVD EQQVQLCYCFKV VKFRNRIKDRI RKQESQKRKFDRMPHEDIYEL SHAIIQSPGLI.NDEL	107
NTDB id	454	SSU RS00080 WP 011921639.1	DDWEQEGMMTLFELLEAAQPWLVD EQQVQLCYCFKV VKFRNRIKDRI RKQESQKRKFDRMPHEDIYEL SHAIIQSPGLI.NDEL	107
NTDB id	582	DLJ51 RS00505 WP 002962720.1	DDWRQEARTILYQLLERFPLAND EEKLR IYFYKTKFRSYVLDNI RKQESQKRAFDRMIYEEISLGHMIPSQGM.DTADY	155
NTDB id	442	SPYM3 RS08515 WP 011106595.1	DDWLQEGHIILLQLLERYPELIEEEEE RLYRYFKTKFSSYLKDLL RRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id	441	SPYM3 RS01385 WP 011106595.1	DDWLQEGHIILLQLLERYPELIEEEEE RLYRYFKTKFSSYLKDLL RRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id	448	SpyM6JRS4 RS07800 WP 010921894.1	DDWLQEGHIILLQLLERYPELIEEEEE RLYRYFKTKFSSYLKDLL RRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id	447	SpyM6JRS4 RS01370 WP 010921894.1	DDWLQEGHIILLQLLERYPELIEEEEE RLYRYFKTKFSSYLKDLL RRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id	450	SPYM18 RS08475 WP 011018214.1	DDWLQEGHIILLQLLERYPELIEEEEE RLYRYFKTKFSSYLKDLL RRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id	449	SPYM18 RS01395 WP 011018214.1	DDWLQEGHIILLQLLERYPELIEEEEE RLYRYFKTKFSSYLKDLL RRQESQKRQFHKLAYEEIGEVAHAIPSRGLW.LDDY	131
NTDB id	554	STRINF RS00370 WP 115283725.1	EDWIQEGRIVFFQLLEHPDLLNNEGKCYSYFKTKFSNHVKD LIIRHQESFKRKFNRMYPYEEISDISHCVPQVFFFEVEDY	108
consensus			*!* !!!!!!!!!!!!!!!*!?!*****!!!!!!!!!!*!***** ***** ***** ***** *	

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NTDB id 320 STU RS10340 WP 002949220.1	LAYDEQLNAFREQLSSEDSLKLDRLIGGECFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 47 STER RS00925 WP 002949220.1	LAYDEQLNAFREQLSSEDSLKLDRLIGGECFRGRKKMIRELRFWMVDFDPCNEED	165
NTDB id 468 HSISS4 RS00725 WP 021143466.1	LVIYDEQLNAFRNQLSSEDA TKLDRLLAGECFRGRKKMIRELKFWMVDFDPYNEDD	165
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	LVIYDEQLNAFRNQLSSEDA TKLDRLLAGECFRGRKKMIRELKFWMVDFDPYNEDD	165
NTDB id 44 SMU RS09085 WP 002263585.1	ILFRDSSLAYKQGLSTEKQELFERLVAGEHFLGRQSM LKDLRKKLSDFKEK....	160
NTDB id 424 SGO RS10430 WP 012130755.1	VAFRSAMSEYRSRLSP EEAQKYERLMADERFKGRKAMLKDLSYHLRDFNPRLD..	160
NTDB id 423 SGO RS08370 WP 012130755.1	VAFRSAMSEYRSRLSP EEAQKYERLMADERFKGRKAMLKDLSYHLRDFNPRLD..	160
NTDB id 457 SSUD9 RS00080 WP 002936602.1	LMLRGALRDYRK NLSNDQLDKYEKLISGQCFNGRREMIRD LQIHLKDFR.....	156
NTDB id 461 GPW51 RS00080 WP 011921639.1	LMLRGALRDYRK NLSNDQLDKYEKLISGQCFNGRREMIRD LQIHLKDFR.....	156
NTDB id 454 SSU RS00080 WP 011921639.1	LMLRGALRDYRK NLSNDQLDKYEKLISGQCFNGRREMIRD LQIHLKDFR.....	156
NTDB id 582 DLJ51 RS00505 WP 002962720.1	CALKEKLKELKQKLAPEDYAKILL LMRGGAFKGRSAFIKDIKVEFEDFEDN...	207
NTDB id 442 SPYM3 RS08515 WP 011106595.1	VAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 441 SPYM3 RS01385 WP 011106595.1	VAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	VAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	VAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 450 SPYM18 RS08475 WP 011018214.1	VAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 449 SPYM18 RS01395 WP 011018214.1	VAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...	183
NTDB id 554 STRINF RS00370 WP 115283725.1	VAYQDSLACLRLT LGREDRLKLEKVI RGERFECKKAFLKSTEL YFSDFRP.....	158
consensus	*** * * *****!***** ****!* *!*****! ****!	

- non conserved
- similar
- ≥ 50% conserved