

NTDB id 320	STU RS10340 WP 002949220.1	MEQEVFVKAYEKVRPIVLKAFRQYFIQLWDQ	31
NTDB id 47	STER RS00925 WP 002949220.1	MEQEVFVKAYEKVRPIVLKAFRQYFIQLWDQ	31
NTDB id 468	HSISS4 RS00725 WP 021143466.1	MEQEVFVHAYEVVRPIVLKASRQYFIQLWDQ	31
NTDB id 50	STRSA0001 RS07545 WP 002885610.1	MEQEVFVHAYEVVRPIVLKASRQYFIQLWDL	31
NTDB id 44	SMU RS09085 WP 002263585.1	MEEDFEIVFNKVKPIVWKLSRYFFIKMWTR	30
NTDB id 424	SGO RS10430 WP 012130755.1	MKFEDVYKQVEGIVKRCYKDYYLHLWEY	28
NTDB id 423	SGO RS08370 WP 012130755.1	MKFEDVYKQVEGIVKRCYKDYYLHLWEY	28
NTDB id 457	SSUD9 RS00080 WP 002936602.1	MEFEKVYASVKGIVNKARKEFYIKLWDR	28
NTDB id 461	GPW51 RS00080 WP 011921639.1	MEFEKVYASVKGIVNKARKEFYIKLWDR	28
NTDB id 454	SSU RS00080 WP 011921639.1	MEFEKVYASVKGIVNKARKEFYIKLWDR	28
NTDB id 582	DLJ51 RS00505 WP 002962720.1	MDKEKLKEIFNKHSALEEVEEFDDGMVKEVITAGLLFCLKEVL...DMDDSSFVSASFRRVEKTVSKLAKDYYIKLWTY	76
NTDB id 442	SPYM3 RS08515 WP 011106595.1	MS..CCFFVVLFILGIVKKKRLKMSIETRAVFEKVKPIILKLKRHHYYIQLWDR	52
NTDB id 441	SPYM3 RS01385 WP 011106595.1	MS..CCFFVVLFILGIVKKKRLKMSIETRAVFEKVKPIILKLKRHHYYIQLWDR	52
NTDB id 448	SpyM6JRS4 RS07800 WP 010921894.1	MS..CCFFVVLFILGIVKKKRLKMSIETRAAFEVKVKPIILKLKRHHYYIQLWDR	52
NTDB id 447	SpyM6JRS4 RS01370 WP 010921894.1	MS..CCFFVVLFILGIVKKKRLKMSIETRAAFEVKVKPIILKLKRHHYYIQLWDR	52
NTDB id 450	SPYM18 RS08475 WP 011018214.1	MS..CCFFVVLFILGIVKKKRLKMSIETRAAFEVKVKPIILKLKRHHYYIQLWDR	52
NTDB id 449	SPYM18 RS01395 WP 011018214.1	MS..CCFFVVLFILGIVKKKRLKMSIETRAAFEVKVKPIILKLKRHHYYIQLWDR	52
NTDB id 554	STRINF RS00370 WP 115283725.1	MDFERAYFQTVKPIILKLKRHHYFVKLWDY	28
consensus		*** **!* ** ** *	

NTDB id 320	STU RS10340 WP 002949220.1	ADMEQ	EA	MM	T	L	Y	Q	L	L	K	F	P	D	L	E	K	D	D	D	K	L	R	R	Y	F	K	T	K	F	R	N	R	L	N	D	E	V	R	R	Q	S	V	K	R	Q	A	N	R	Q	C	Y	V	E	I	S	D	I	A	F	C	I	P	N	K	E	L	D	.	M	V	D	R		110			
NTDB id 47	STER RS00925 WP 002949220.1	ADMEQ	EA	MM	T	L	Y	Q	L	L	K	F	P	D	L	E	K	D	D	D	K	L	R	R	Y	F	K	T	K	F	R	N	R	L	N	D	E	V	R	R	Q	S	V	K	R	Q	A	N	R	Q	C	Y	V	E	I	S	D	I	A	F	C	I	P	N	K	E	L	D	.	M	V	D	R		110			
NTDB id 468	HSISS4 RS00725 WP 021143466.1	ADMEQ	EA	MM	T	L	Y	Q	L	L	K	F	P	E	L	K	S	D	D	D	K	L	R	R	Y	F	K	T	K	F	R	N	R	L	N	D	E	V	R	R	Q	S	V	K	R	Q	A	N	R	Q	C	Y	I	E	I	S	D	I	A	F	C	L	P	N	K	E	L	D	.	A	V	D	R		110			
NTDB id 50	STRSA0001 RS07545 WP 002885610.1	ADMEQ	EA	MM	T	L	Y	Q	L	L	K	F	P	E	L	K	S	D	D	D	K	L	R	R	Y	F	K	T	K	F	R	N	R	L	N	D	E	V	R	R	Q	S	V	K	R	Q	A	N	R	Q	C	Y	I	E	I	S	D	I	A	F	C	L	P	N	K	E	L	D	.	A	V	D	R		110			
NTDB id 44	SMU RS09085 WP 002263585.1	EDWQ	Q	E	G	M	L	I	L	H	Q	L	R	E	H	P	E	L	E	E	D	T	K	L	Y	I	Y	F	K	T	R	S	N	Y	I	K	D	V	L	R	Q	Q	S	Q	K	R	R	F	N	R	M	S	Y	E	E	V	G	E	I	E	H	C	L	S	S	G	G	M	Q	.	L	D	E	Y		109		
NTDB id 424	SGO RS10430 WP 012130755.1	ADWR	Q	E	G	M	L	V	L	Y	E	L	L	K	S	H	P	N	L	E	D	Q	P	R	L	Y	R	Y	F	K	T	K	F	R	N	I	H	D	L	I	R	R	Q	S	Q	K	R	K	L	D	R	Q	P	Y	E	E	V	S	E	I	G	H	R	L	R	M	K	E	L	Y	.	L	D	E	L		107	
NTDB id 423	SGO RS08370 WP 012130755.1	ADWR	Q	E	G	M	L	V	L	Y	E	L	L	K	S	H	P	N	L	E	D	Q	P	R	L	Y	R	Y	F	K	T	K	F	R	N	I	H	D	L	I	R	R	Q	S	Q	K	R	K	L	D	R	Q	P	Y	E	E	V	S	E	I	G	H	R	L	R	M	K	E	L	Y	.	L	D	E	L		107	
NTDB id 457	SSUD9 RS00080 WP 002936602.1	DDWE	Q	E	G	M	M	T	L	F	E	L	L	E	A	Q	P	W	L	V	D	E	Q	V	Q	L	Y	C	Y	F	K	V	K	F	R	N	I	K	D	R	I	R	K	Q	S	Q	K	R	K	F	D	R	M	P	H	E	D	I	H	E	L	S	H	A	I	Q	S	P	G	L	I	.	N	D	E	L		107
NTDB id 461	GPW51 RS00080 WP 011921639.1	DDWE	Q	E	G	M	M	T	L	F	E	L	L	E	A	Q	P	W	L	V	D	E	Q	V	Q	L	Y	C	Y	F	K	V	K	F	R	N	I	K	D	R	I	R	K	Q	S	Q	K	R	K	F	D	R	M	P	H	E	D	I	H	E	L	S	H	A	I	Q	S	P	G	L	I	.	N	D	E	L		107
NTDB id 454	SSU RS00080 WP 011921639.1	DDWE	Q	E	G	M	M	T	L	F	E	L	L	E	A	Q	P	W	L	V	D	E	Q	V	Q	L	Y	C																																																		

logo

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	ILFRDSSLAYKQGLSTEKQELFERLVAGEHFLGRQSMLKDLRKKLSDFKEK....	160
NTDB id 424 SGO RS10430 WP 012130755.1	VAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMLKDLSYHLRDFNPRLD..	160
NTDB id 423 SGO RS08370 WP 012130755.1	VAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMLKDLSYHLRDFNPRLD..	160
NTDB id 457 SSUD9 RS00080 WP 002936602.1	LMLRGALRDYRKNLSDQLDKYEKLISGQCFNGRREMIRD LQIHLKDFR.....	156
NTDB id 461 GPW51 RS00080 WP 011921639.1	LMLRGALRDYRKNLSDQLDKYEKLISGQCFNGRREMIRD LQIHLKDFR.....	156
NTDB id 454 SSU RS00080 WP 011921639.1	LMLRGALRDYRKNLSDQLDKYEKLISGQCFNGRREMIRD LQIHLKDFR.....	156
NTDB id 582 DLJ51 RS00505 WP 002962720.1	CALKEKLKELKQKLAPEDYAKILLLMRGGAFFKGRSAFLKDIKVEFEDFEDN...	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	VAYQDSLACLRLTLGREDRCLKLEKVIIRGERFECKKAFLKSTELVFSDFRP.....	158
consensus	*** * * *****!***** ****!* *!*****! ****!	

- non conserved
- similar
- ≥ 50% conserved