

logo



NTDB id 320 STU RS10340 WP 002949220.1	.....MEQEVFVKAYEKVVRP	I	V	L	K	A	F	R	Q	Y	F	I	Q	L	W	D	Q	A	D	M	E	Q	E	A	M	T	L	Y	Q	L	L	K	K	F	P	D	L	E	K	D	D	D	K	L		
NTDB id 47 STER RS00925 WP 002949220.1	.....MEQEVFVKAYEKVVRP	I	V	L	K	A	F	R	Q	Y	F	I	Q	L	W	D	Q	A	D	M	E	Q	E	A	M	T	L	Y	Q	L	L	K	K	F	P	D	L	E	K	D	D	D	K	L		
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	.....MEQEVFVHAYEVVRP	I	V	L	K	A	S	R	Q	Y	F	I	Q	L	W	D	L	A	D	M	E	Q	E	A	M	T	L	Y	Q	L	L	E	K	F	P	E	L	K	S	D	D	D	K	L		
NTDB id 468 HSISS4 RS00725 WP 021143466.1	.....MEQEVFVHAYEVVRP	I	V	L	K	A	S	R	Q	Y	F	I	Q	L	W	D	Q	A	D	M	E	Q	E	A	M	T	L	Y	Q	L	L	E	K	F	P	E	L	K	S	D	D	D	K	L		
NTDB id 450 SPYM18 RS08475 WP 011018214.1	MSCCFFVVLFILGIVKKKRRLLKMSIETRAAF	F	E	K	V	K	P	I	L	K	L	K	R	H	Y	I	Q	L	W	R	D	D	W	L	Q	E	G	H	I	I	L	Q	L	L	E	R	Y	P	E	L	I	E	E	E	R	L
NTDB id 449 SPYM18 RS01395 WP 011018214.1	MSCCFFVVLFILGIVKKKRRLLKMSIETRAAF	F	E	K	V	K	P	I	L	K	L	K	R	H	Y	I	Q	L	W	R	D	D	W	L	Q	E	G	H	I	I	L	Q	L	L	E	R	Y	P	E	L	I	E	E	E	R	L
NTDB id 442 SPYM3 RS08515 WP 011106595.1	MSCCFFVVLFILGIVKKKRRLLKMSIETRAV	F	E	K	V	K	P	I	L	K	L	K	R	H	Y	I	Q	L	W	R	D	D	W	L	Q	E	G	H	I	I	L	Q	L	L	E	R	Y	P	E	L	I	E	E	E	R	L
NTDB id 441 SPYM3 RS01385 WP 011106595.1	MSCCFFVVLFILGIVKKKRRLLKMSIETRAV	F	E	K	V	K	P	I	L	K	L	K	R	H	Y	I	Q	L	W	R	D	D	W	L	Q	E	G	H	I	I	L	Q	L	L	E	R	Y	P	E	L	I	E	E	E	R	L
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	MSCCFFVVLFILGIVKKKRRLLKMSIETRAAF	F	E	K	V	K	P	I	L	K	L	K	R	H	Y	I	Q	L	W	R	D	D	W	L	Q	E	G	H	I	I	L	Q	L	L	E	R	Y	P	E	L	I	E	E	E	R	L
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	MSCCFFVVLFILGIVKKKRRLLKMSIETRAAF	F	E	K	V	K	P	I	L	K	L	K	R	H	Y	I	Q	L	W	R	D	D	W	L	Q	E	G	H	I	I	L	Q	L	L	E	R	Y	P	E	L	I	E	E	E	R	L
NTDB id 44 SMU RS09085 WP 002263585.1	.....MEEDFEIVFNKVKP	I	V	W	K	L	S	R	Y	F	I	K	M	W	T	R	E	D	W	Q	E	G	M	L	I	L	H	Q	L	L	R	E	H	P	E	L	E	D	D	T	K	L				
NTDB id 457 SSUD9 RS00080 WP 002936602.1	.....MEFEKVVYASVKG	I	V	N	K	A	R	K	E	F	Y	I	K	L	W	R	D	D	W	E	Q	E	G	M	T	L	F	E	L	L	E	A	Q	P	W	L	V	D	E	Q	V	Q	L			
NTDB id 461 GPW51 RS00080 WP 011921639.1	.....MEFEKVVYASVKG	I	V	N	K	A	R	K	E	F	Y	I	K	L	W	R	D	D	W	E	Q	E	G	M	T	L	F	E	L	L	E	A	Q	P	W	L	V	D	E	Q	V	Q	L			
NTDB id 454 SSU RS00080 WP 011921639.1	.....MEFEKVVYASVKG	I	V	N	K	A	R	K	E	F	Y	I	K	L	W	R	D	D	W	E	Q	E	G	M	T	L	F	E	L	L	E	A	Q	P	W	L	V	D	E	Q	V	Q	L			
NTDB id 424 SGO RS10430 WP 012130755.1	.....MKFEDVYKQVEG	I	V	K	R	C	Y	K	D	Y	L	H	L	W	E	Y	A	D	W	R	Q	E	G	M	L	V	L	Y	E	L	L	K	S	H	P	N	L	L	E	D	Q	P	R	L		
NTDB id 423 SGO RS08370 WP 012130755.1	.....MKFEDVYKQVEG	I	V	K	R	C	Y	K	D	Y	L	H	L	W	E	Y	A	D	W	R	Q	E	G	M	L	V	L	Y	E	L	L	K	S	H	P	N	L	L	E	D	Q	P	R	L		
NTDB id 488 SM12261 RS00065 WP 000471939.1	.....MFKELYEEVQG	I	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	I	C	L	H	E	L	I	S	R	E	E	G	I	V	E	D	I	P	R	L			
NTDB id 489 SM12261 RS01070 WP 000471940.1	.....MFKELYEEVQG	I	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	I	C	L	H	E	L	I	S	R	E	E	E	L	V	E	D	I	P	R	L			
NTDB id 517 SMSK321 RS10700 WP 000471945.1	.....MFKELYKEVQG	I	V	Y	K	S	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	I	C	L	H	E	L	I	S	R	E	E	E	L	V	E	D	I	P	R	L		
NTDB id 516 SMSK321 RS09125 WP 000471944.1	.....MFKELYKEVQG	I	V	Y	K	S	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	I	C	L	H	E	L	I	S	K	E	E	L	A	E	D	I	P	R	L			
NTDB id 1170093 ACLV65 RS01375 WP 411864339.1	.....MLKELYEEVQG	I	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	I	C	L	H	E	L	I	S	K	E	E	G	L	V	E	D	I	P	R	L			
NTDB id 252 KZH43 RS09050 WP 000588897.1	.....MIKELYEEVQG	T	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	L	C	L	H	E	L	I	S	R	E	E	G	L	V	D	D	I	P	R	L			
NTDB id 251 KZH43 RS09050 WP 000588897.1	.....MIKELYEEVQG	T	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	L	C	L	H	E	L	I	S	R	E	E	G	L	V	D	D	I	P	R	L			
NTDB id 211 SPD RS09675 WP 000588897.1	.....MIKELYEEVQG	T	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	L	C	L	H	E	L	I	S	R	E	E	G	L	V	D	D	I	P	R	L			
NTDB id 210 SPD RS00065 WP 000588897.1	.....MIKELYEEVQG	T	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	L	C	L	H	E	L	I	S	R	E	E	G	L	V	D	D	I	P	R	L			
NTDB id 177 SPR RS09210 WP 000588897.1	.....MIKELYEEVQG	T	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	L	C	L	H	E	L	I	S	R	E	E	G	L	V	D	D	I	P	R	L			
NTDB id 176 SPR RS00065 WP 000588897.1	.....MIKELYEEVQG	T	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	L	C	L	H	E	L	I	S	R	E	E	G	L	V	D	D	I	P	R	L			
NTDB id 141 SP RS10155 WP 000588925.1	.....MIKELYEEVQG	T	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	L	C	L	H	E	L	I	S	R	E	E	G	L	V	D	D	I	P	R	L			
NTDB id 140 SP RS00070 WP 000588925.1	.....MIKELYEEVQG	T	V	Y	K	R	N	E	Y	L	H	L	W	E	L	S	D	W	D	Q	E	G	M	L	C	L	H	E	L	I	S	R	E	E	G	L	V	D	D	I	P	R	L			
consensus		*	*	***	!	***	*	*	****	*!	*	!***!	***	!	***!	***	!	*!*	*	****	*!																									



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NTDB id 320 STU RS10340 WP 002949220.1	CFRGRK <b>K</b> MIRELRFWMVDFDPCNEED	165
NTDB id 47 STER RS00925 WP 002949220.1	CFRGRK <b>K</b> MIRELRFWMVDFDPCNEED	165
NTDB id 50 STRSA0001 RS07545 WP 002885610.1	CFRGRK <b>K</b> MIRELRFWMVDFDPYNEDD	165
NTDB id 468 HSISS4 RS00725 WP 021143466.1	CFRGRK <b>K</b> MIRELRFWMVDFDPYNEDD	165
NTDB id 450 SPYM18 RS08475 WP 011018214.1	R <b>F</b> K <b>G</b> R <b>R</b> A <b>L</b> L <b>R</b> K <b>I</b> SPY <b>F</b> K <b>E</b> F <b>A</b> Q <b>L</b> ...	183
NTDB id 449 SPYM18 RS01395 WP 011018214.1	R <b>F</b> K <b>G</b> R <b>R</b> A <b>L</b> L <b>R</b> K <b>I</b> SPY <b>F</b> K <b>E</b> F <b>A</b> Q <b>L</b> ...	183
NTDB id 442 SPYM3 RS08515 WP 011106595.1	R <b>F</b> K <b>G</b> R <b>R</b> A <b>L</b> L <b>R</b> K <b>I</b> SPY <b>F</b> K <b>E</b> F <b>A</b> Q <b>L</b> ...	183
NTDB id 441 SPYM3 RS01385 WP 011106595.1	R <b>F</b> K <b>G</b> R <b>R</b> A <b>L</b> L <b>R</b> K <b>I</b> SPY <b>F</b> K <b>E</b> F <b>A</b> Q <b>L</b> ...	183
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1	R <b>F</b> K <b>G</b> R <b>R</b> A <b>L</b> L <b>R</b> K <b>I</b> SPY <b>F</b> K <b>E</b> F <b>A</b> Q <b>L</b> ...	183
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1	R <b>F</b> K <b>G</b> R <b>R</b> A <b>L</b> L <b>R</b> K <b>I</b> SPY <b>F</b> K <b>E</b> F <b>A</b> Q <b>L</b> ...	183
NTDB id 44 SMU RS09085 WP 002263585.1	H <b>F</b> L <b>G</b> R <b>Q</b> S <b>M</b> L <b>K</b> D <b>L</b> R <b>K</b> K <b>L</b> S <b>D</b> F <b>K</b> E <b>K</b> ....	160
NTDB id 457 SSUD9 RS00080 WP 002936602.1	C <b>F</b> N <b>G</b> R <b>R</b> E <b>M</b> I <b>R</b> D <b>L</b> Q <b>I</b> H <b>L</b> K <b>D</b> F <b>R</b> .....	156
NTDB id 461 GPW51 RS00080 WP 011921639.1	C <b>F</b> N <b>G</b> R <b>R</b> E <b>M</b> I <b>R</b> D <b>L</b> Q <b>I</b> H <b>L</b> K <b>D</b> F <b>R</b> .....	156
NTDB id 454 SSU RS00080 WP 011921639.1	C <b>F</b> N <b>G</b> R <b>R</b> E <b>M</b> I <b>R</b> D <b>L</b> Q <b>I</b> H <b>L</b> K <b>D</b> F <b>R</b> .....	156
NTDB id 424 SGO RS10430 WP 012130755.1	R <b>F</b> K <b>G</b> R <b>K</b> A <b>M</b> L <b>K</b> D <b>L</b> S <b>Y</b> H <b>L</b> R <b>D</b> F <b>N</b> P <b>R</b> L <b>D</b> ..	160
NTDB id 423 SGO RS08370 WP 012130755.1	R <b>F</b> K <b>G</b> R <b>K</b> A <b>M</b> L <b>K</b> D <b>L</b> S <b>Y</b> H <b>L</b> R <b>D</b> F <b>N</b> P <b>R</b> L <b>D</b> ..	160
NTDB id 488 SM12261 RS00065 WP 000471939.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>D</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 489 SM12261 RS01070 WP 000471940.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>D</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 517 SMSK321 RS10700 WP 000471945.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>D</b> I <b>R</b> T <b>Q</b> ..	159
NTDB id 516 SMSK321 RS09125 WP 000471944.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>D</b> I <b>R</b> T <b>R</b> ..	159
NTDB id 1170093 ACLV65 RS01375 WP 411864339.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>D</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 252 KZH43 RS09050 WP 000588897.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>T</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 251 KZH43 RS09050 WP 000588897.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>T</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 211 SPD RS09675 WP 000588897.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>T</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 210 SPD RS00065 WP 000588897.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>T</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 177 SPR RS09210 WP 000588897.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>T</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 176 SPR RS00065 WP 000588897.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>T</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 141 SP RS10155 WP 000588925.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>T</b> I <b>R</b> T <b>H</b> ..	159
NTDB id 140 SP RS00070 WP 000588925.1	R <b>F</b> R <b>G</b> R <b>Q</b> R <b>V</b> L <b>R</b> D <b>L</b> R <b>I</b> V <b>F</b> K <b>E</b> F <b>T</b> I <b>R</b> T <b>H</b> ..	159
consensus	*!***! ***** ***!	

non conserved  
 similar  
 ≥ 50% conserved