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NTDB id 617 LCA RS06480 WP 011375001.1
NTDB id 586 KW2 RS10855 WP 011836048.1
NTDB id 584 DLJ51 RS00890 WP 019777327.1
NTDB id 385 SMU RS09035 WP 002263435.1
NTDB id 394 FSA28 RS09405 WP 002291652.1
NTDB id 298462 DK877 RS00775 WP 002936562.1
NTDB id 429 SGO RS09420 WP 012130942.1
NTDB id 500 SM12261 RS00945 WP 000249545.1
NTDB id 270 KZH43 RS09265 WP 000249564.1
NTDB id 229 SPD RS09895 WP 000249564.1
NTDB id 195 SPR RS09430 WP 000249564.1
NTDB id 160 SP RS10380 WP 000249564.1
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[illegible]

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Y	Y	D	K	A	S	R	L	S	T	V	G	D	Y	R	G	E	S	L	V	I	R	L	L	H	D	E	E	Q	L	H	F	W	F	Q	D	I	E	E	L	G	K	Q	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F								
L	Q	L	A	D	Q	.	T	I	Y	L	R	L	A	T	V	G	D	F	L	N	R	E	S	L	V	I	R	F	I	Y	P	I	G	A	I	Y	H	C	D	D	Q	I	L	A	Q	L	T	Q	M	S	R	Q	S	G	L	I	L	F	A	G	P	T	G	S	G	K	T	T	S	L	Y	H	L	A	Q	Q	S	M	
Y	E	L	E	G	S	S	A	K	R	L	R	L	S	T	V	G	D	F	E	G	N	E	S	L	V	I	R	L	L	H	D	K	Q	E	L	F	W	F	D	.	D	K	.	L	Q	D	F	R	C	K	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	S	L	M	F	D	L	A	H	R	H	F			
Y	A	F	A	D	G	E	T	A	L	R	L	S	T	V	G	D	Y	Q	G	R	E	S	L	V	I	R	L	F	D	R	K	R	E	L	K	F	W	F	D	.	G	N	A	L	L	P	K	I	G	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	Y	E	L	V	S	R	K	Y				
Y	S	Y	D	E	G	K	V	I	S	L	R	L	S	V	G	D	Y	R	G	Y	E	S	L	V	I	R	L	F	S	G	R	H	D	L	K	F	W	F	N	.	S	M	D	L	I	L	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	S	L	M	Y	Q	L	V	K	L	R	F			
Y	S	Y	D	E	G	K	V	I	S	L	R	L	S	V	G	D	Y	R	G	Y	E	S	L	V	I	R	L	F	S	G	R	H	D	L	K	F	W	F	N	.	S	M	D	L	I	L	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	S	L	M	Y	Q	L	V	K	L	R	F			
Y	D	Y	G	S	G	.	E	I	S	L	R	L	S	T	V	G	D	Y	R	G	Y	E	S	L	V	I	R	L	L	Y	D	N	D	K	E	L	K	F	W	F	E	.	A	A	E	R	L	A	E	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	Y	H	L	A	R	L	K	F	
Y	Y	Y	D	D	K	.	E	T	S	I	R	L	S	T	V	G	D	Y	R	G	Y	E	S	L	V	I	R	L	L	H	D	E	E	T	L	K	F	W	F	T	.	H	F	P	E	L	R	E	K	F	D	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	T	L	M	H	L	A	Q	L	K	F			
Y	E	Y	D	Q	K	.	M	A	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	I	R	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F
Y	A	Y	D	H	K	.	I	A	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	I	R	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	T	L	M	H	E	L	A	K	S	L	F
Y	A	Y	D	H	K	.	I	A	S	L	R	L</																																																																			

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NTDB id 229 SPD RS09895 WP 000249564.1
NTDB id 195 SPR RS09430 WP 000249564.1
NTDB id 160 SP RS10380 WP 000249564.1
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Sequence	Position
SAKMVVAIEDPIETIVAP ^{EF} LQLQVNDNAGLSYAELIKLSLRHRPD ^{LI} IGEIRDLETAQYVVSAA ^{LS} GHLV ^{LS} TIHARS ^T	238
SNAQVITIEEPVELIDS ^{DF} IQLQVNDNAGLSYAELIKLSLRHRPD ^{LI} IGEIRDQ ^T ARAVIRASLTGYTVFSTIHAAS ^V	235
PDSQITIEDPVEIKQDNMLQLQLNPSIGNTYDHLIKLSLRHRPD ^{VI} IGEIRDRETAQAVIRASLTGYTVFSTIHA ^{KS} I	239
ETKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPD ^{LI} IGEIRDKETARAVIRASLTGAMVFS ^{TI} HA ^{KS} I	237
ETKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPD ^{LI} IGEIRDKETARAVIRASLTGAMVFS ^{TI} HA ^{KS} I	237
PDKQILTIEDPVEIKQEDMLQLQLNEAIGATYDNLIKLSLRHRPD ^{LI} IGEIRDAETARAVIRASLTGATVFST ^{VI} HA ^{RS} I	236
KGQVMSIEDPVEIKQEDMLQLQLNETIGLTYESLIKLSLRHRPD ^{LI} IGEIRSETARAVRASLTGATVFSTIHA ^{KS} I	236
KGQVMSIEDPVEIKQDNMLQLQLNEAIGLTYENLIKLSLRHRPD ^{LI} IGEIRSETARAVRASLTGATVFSTIHA ^{KS} I	236
KGQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPD ^{LI} IGEIRSETARAVRASLTGATVFSTIHA ^{KS} I	236
KGQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPD ^{LI} IGEIRSETARAVRASLTGATVFSTIHA ^{KS} I	236
KGQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPD ^{LI} IGEIRSETARAVRASLTGATVFSTIHA ^{KS} I	236
KGQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPD ^{LI} IGEIRSETARAVRASLTGATVFSTIHA ^{KS} I	236

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NTDB id 617 LCA RS06480 WP 011375001.1	QGVVARLLDLGISELQLRACLTGTAYQSLVTKDDVVQAH...YELLTGSDYFSKKE.....GGCDV.....	296
NTDB id 586 KW2 RS10855 WP 011836048.1	KGVVQRLLLELGLSDWELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKTENLYANGHLTAIEAEREKISINQAS	315
NTDB id 584 DLJ51 RS00890 WP 019777327.1	PGVYARILELGVSQDELNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEEKIKD....	315
NTDB id 385 SMU RS09035 WP 002263435.1	PGVYARMLELGTSSSEELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAAKWNKQIYDLFTAGYITEGEAQAEIEIED....	313
NTDB id 394 FSA28 RS09405 WP 002291652.1	PGVYARMLELGTSSSEELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAAKWNKQIYDLFTAGYITEGEAQAEIEIED....	313
NTDB id 298462 DK877 RS00775 WP 002936562.1	SGVYARMLELGVSPPEELNNALQGIAYQRLIRGGGVVDFAKGNYQNHSADQWNAQIDRLFAAGHISLRQAETEKIALGSPA	316
NTDB id 429 SGO RS09420 WP 012130942.1	PGVYERLLELGVSEEEELKIVLQGCYQRLIGGGGVITDFASDNYQEHEPTVWNQQIDQLLAAGHIHPEQAEAEKIRNQQAK	316
NTDB id 500 SM12261 RS00945 WP 000249545.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLLKDGHITSLQAETEKISYS...	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGIVDFASRDYQEHQAANKWNEQIDQLLLKDGHITSLQAETEKISYS...	313
NTDB id 229 SPD RS09895 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGIVDFASRDYQEHQAANKWNEQIDQLLLKDGHITSLQAETEKISYS...	313
NTDB id 195 SPR RS09430 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGIVDFASRDYQEHQAANKWNEQIDQLLLKDGHITSLQAETEKISYS...	313
NTDB id 160 SP RS10380 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGCYQRLIGGGGIVDFASRDYQEHQAANKWNEQIDQLLLKDGHITSLQAETEKISYS...	313
consensus	!!*!*!!!!*!***!!***!!*!************* ** *	

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NTDB id 617 LCA RS06480 WP 011375001.1	TSYTTDGESEFE	296
NTDB id 586 KW2 RS10855 WP 011836048.1	KIDTTDGESEFE	326
NTDB id 584 DLJ51 RS00890 WP 019777327.1		315
NTDB id 385 SMU RS09035 WP 002263435.1		313
NTDB id 394 FSA28 RS09405 WP 002291652.1		313
NTDB id 298462 DK877 RS00775 WP 002936562.1		316
NTDB id 429 SGO RS09420 WP 012130942.1	TSY.....	319
NTDB id 500 SM12261 RS00945 WP 000249545.1		313
NTDB id 270 KZH43 RS09265 WP 000249564.1		313
NTDB id 229 SPD RS09895 WP 000249564.1		313
NTDB id 195 SPR RS09430 WP 000249564.1		313
NTDB id 160 SP RS10380 WP 000249564.1		313
consensus		

- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved