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NTDB id 420 DQL23 RS10740 WP 008808031.1	.MKVLVLEDTIEHQVRIENVFEEISRELNLEIKA.KVTGKIHEFKEYVESDEVNQLYFLDIDIKGEEQKGLEMAQFIRQH	78
NTDB id 417 SGO RS10500 WP 008808031.1	.MKVLVLEDTIEHQVRIENVFEEISRELNLEIKA.KVTGKIHEFKEYVESDEVNQLYFLDIDIKGEEQKGLEMAQFIRQH	78
NTDB id 250 KZH43 RS10245 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEEYIENDEVNQLYFLDIDIHGIEKKGFVEVAQLIRHY	78
NTDB id 209 SPD RS10920 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEEYIENDEVNQLYFLDIDIHGIEKKGFVEVAQLIRHY	78
NTDB id 175 SPR RS10400 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEEYIENDEVNQLYFLDIDIHGIEKKGFVEVAQLIRHY	78
NTDB id 139 SP RS11425 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEEYIENDEVNQLYFLDIDIHGIEKKGFVEVAQLIRHY	78
NTDB id 545 H702 RS02385 WP 052071091.1	MIDIYVLEDNVNQVFRIEKMIGDLLETNQWETRHFDFSEPDCLTN.LVEESFPQIFFLDIDIHGDNTKGIEVAKAIREK	79
NTDB id 542 H702 RS02345 WP 039696227.1	MLDIFILEDNITQVFRIERQIETIMERNHWEYQRLEAF.AASKDIIKKADGGGNHQVFFLDLEIKGDEKQGLDVARSIRESK	80
NTDB id 1024885 ABW635 RS09230 WP 003100196.1	.MNIFILEDNFIQQTRIESTIEEILAEITGINCNLEIFSNPDKLYDAILEKGNHQLFFLDIEIKNEQKKGLELATKIRQR	79
NTDB id 55 SMU RS08710 WP 002262114.1	MISIFVLEDDFLQQRLETTIAAIMKEKNWSYKELTIFGKPPQLIDAPEKGNHQIFFLDIEIKKEKKGLEVANQIRQH	80
consensus	*****!!!! **!*!*!*!***** * ***** ***** *****!!!!!!*!*!!!!!!*!*!!!!!!	

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NTDB id 420 DQL23 RS10740 WP 008808031.1	NPYAIIVFVTSHSEFATLTFKYKVSALDFIDKDKDINDNSFKKRVKDCIVYTRNNLIENTDIVDFFEYSFRGNEIRIPFRDI	158
NTDB id 417 SGO RS10500 WP 008808031.1	NPYAIIVFVTSHSEFATLTFKYKVSALDFIDKDKDINDNSFKKRVKDCIVYTRNNLIENTDIVDFFEYSFRGNEIRIPFRDI	158
NTDB id 250 KZH43 RS10245 WP 000866065.1	NPYAIIVFVITSRSEFATLTLYKYQVSALDFVDKDINDEMFKKRIEQNIIFYTKSMLENEDVVDYFDYNYKGNDLKIPYHDI	158
NTDB id 209 SPD RS10920 WP 000866065.1	NPYAIIVFVITSRSEFATLTLYKYQVSALDFVDKDINDEMFKKRIEQNIIFYTKSMLENEDVVDYFDYNYKGNDLKIPYHDI	158
NTDB id 175 SPR RS10400 WP 000866065.1	NPYAIIVFVITSRSEFATLTLYKYQVSALDFVDKDINDEMFKKRIEQNIIFYTKSMLENEDVVDYFDYNYKGNDLKIPYHDI	158
NTDB id 139 SP RS11425 WP 000866065.1	NPYAIIVFVITSRSEFATLTLYKYQVSALDFVDKDINDEMFKKRIEQNIIFYTKSMLENEDVVDYFDYNYKGNDLKIPYHDI	158
NTDB id 545 H702 RS02385 WP 052071091.1	SRTATIVFVTTTHSEFMLLTYRAQVSALDFIDKTDKDAIKDNLKKCLQKVFEDQ.GFNIPKEIFVFENNKTIRIPLEDI	158
NTDB id 542 H702 RS02345 WP 039696227.1	DPTAIIVFVTTTHSEFMLLTYQSLVGAIDFDIDKMNDEAFGGRIELCLKEALKYQ.TGSFGENSILFETAKARIRVAYDDI	159
NTDB id 1024885 ABW635 RS09230 WP 003100196.1	DANAVIVFVTTTHSEFAPISFKYKVSALDFIDKAVDKQQFKEQIEECIQYTSKMM.ESHPEEFFIFETAQTKLRLPFKDI	158
NTDB id 55 SMU RS08710 WP 002262114.1	NPSAVIVFVTTTHSEFMPLTFQYQVSALDFIDKSLNPEEFSHRIESALYYAMENSQKNGQSEELFIHSSSETQFQVPFAEI	160
consensus	***!*****!*****!*****!***** ***** ***** ***** ***** ***** ***** ***** *	

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NTDB id 420 DQL23 RS10740 WP 008808031.1	LYIETTGSPYKLRVVGKNFFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLYYDGHRSPI SRLRVR	238
NTDB id 417 SGO RS10500 WP 008808031.1	LYIETTGSPYKLRVVGKNFFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLYYDGHRSPI SRLRVR	238
NTDB id 250 KZH43 RS10245 WP 000866065.1	LYIETTGVS HKLRIIGKNFAKEFYGTMTDIEQDKHTQRFYSPHKSFVLNIGNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 209 SPD RS10920 WP 000866065.1	LYIETTGVS HKLRIIGKNFAKEFYGTMTDIEQDKHTQRFYSPHKSFVLNIGNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 175 SPR RS10400 WP 000866065.1	LYIETTGVS HKLRIIGKNFAKEFYGTMTDIEQDKHTQRFYSPHKSFVLNIGNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 139 SP RS11425 WP 000866065.1	LYIETTGVS HKLRIIGKNFAKEFYGTMTDIEQDKHTQRFYSPHKSFVLNIGNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 545 H702 RS02385 WP 052071091.1	LYFETAESHLKLITKTGQRHFGYSIKEVMQANQ...KLFRCHKSYLINLNNIVRLDKKEGLVYFDDDKACYVSRKYIK	234
NTDB id 542 H702 RS02345 WP 039696227.1	LYFETSPIVHRVILHTKTGTQTFEYGTIAEVAKSDK...RLKCHRSFVINNVNTEFDKSTRATAYFENGSCQVSRDKVK	236
NTDB id 1024885 ABW635 RS09230 WP 003100196.1	LYFATSTTPHKVCLWTQTERLEFYGNLSEIQEAAP...KLFMCHRSYLINLANVVRIDKYEQLVYFENGDCPVSRLKIK	235
NTDB id 55 SMU RS08710 WP 002262114.1	LYFETSSTAHKLCLYTYDERIEFYGSMTDIVKMDK...RLFQCHRSFIVNPANITRIDRKKRLAYFRNNKSCSLISRTKLT	237
consensus	!!*!*!***** ***** **!*!!!!***** ** *****!*****!*****!*****!*****!*****!*****!*****!*****	

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NTDB id 420 DQL23 RS10740 WP 008808031.1	Y	L	K	E	I	L	K	A	K	S	K	K	E	E	N	K	K	255
NTDB id 417 SGO RS10500 WP 008808031.1	Y	L	K	E	I	L	K	A	K	S	K	K	E	E	N	K	K	255
NTDB id 250 KZH43 RS10245 WP 000866065.1	K	L	K	D	I	L	E	K	K	S	Q	K	.	.	.	.	.	250
NTDB id 209 SPD RS10920 WP 000866065.1	K	L	K	D	I	L	E	K	K	S	Q	K	.	.	.	.	.	250
NTDB id 175 SPR RS10400 WP 000866065.1	K	L	K	D	I	L	E	K	K	S	Q	K	.	.	.	.	.	250
NTDB id 139 SP RS11425 WP 000866065.1	K	L	K	D	I	L	E	K	K	S	Q	K	.	.	.	.	.	250
NTDB id 545 H702 RS02385 WP 052071091.1	D	L	R	S	K	M	E	N	L	K	.	.	.	.	.	.	.	244
NTDB id 542 H702 RS02345 WP 039696227.1	K	L	M	A	E	M	R	.	.	.	.	.	.	.	.	.	.	243
NTDB id 1024885 ABW635 RS09230 WP 003100196.1	H	L	I	E	K	W	E	E	L	H	.	.	.	.	.	.	.	245
NTDB id 55 SMU RS08710 WP 002262114.1	K	L	R	A	V	I	A	D	Q	R	R	A	K	.	.	.	.	250
consensus	*	!	*	*	*	*	*	*	*	*	*	*	.	.	.	.	.	

- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved