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NTDB id 420	DQL23 RS10740 WP 008808031.1	.MKVLVLEDTIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 417	SGO RS10500 WP 008808031.1	.MKVLVLEDTIEHQVRLERIVFEEISRELNLIEIKA.KVTGKTHEFKEYVESDEVNQLYFLDIDIKGEEQKGLEMAQFIRQH	78
NTDB id 627	AAM18091.1 1453..2205()	.MKVLILEDVIEHQVRLERTLDEISKELNIPISY.KTTGKEREFKEYIENDEVNQLYFLDIDIHGVEKKGFEVAQFIRRH	78
NTDB id 487	SM12261 RS09370 WP 000866073.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEYIENDEVNQLYFLDIDIHGIEKKGFEVAQFIRHH	78
NTDB id 250	KZH43 RS10245 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 209	SPD RS10920 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 175	SPR RS10400 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 139	SP RS11425 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRFEFEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 545	H702 RS02385 WP 052071091.1	MIDIYVLEDNPNVQQRFRTEKMIGDILETNCWETRHFDFLSEPDCLTNL.VESFPQIFFLDIDIHGDNTEKGEVAKAIREK	79
NTDB id 542	H702 RS02345 WP 039696227.1	MLDIFILEDNITQQFRIERQIETIMERNHWEYQRLEAF.AASKDIIKKADGGGNHGVFFLDLEIKGDEKQGLDVARSIRESK	80
NTDB id 367370	FHI56 RS09885 WP 002886762.1	MLNIYVLEDHFIQCNRIIEEVIHTILKKMNIKVGDFEVFDKPNQLLDFITERGSHQLBFLDIQIKDDTKKCLEVAKQIRKS	80
NTDB id 55	SMU RS08710 WP 002262114.1	MISIFVLEDDFLQQRLETTIAATMKEKNWSYKELTIFGKPPQLIDAIPEKGNHQTFFFLDIEIKKEKKGLEVANQIRQH	80
consensus		*****!!! **!*!*!*!***** ** * * ***** ** ** **!*!!!!!!** **!* **!* **!	

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NTDB id 420	DQL23 RS10740 WP 008808031.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEFKKRLEQNLYTKSMLENEEDVDYFDYNYKGNLKIPIYHDI	158
NTDB id 417	SGO RS10500 WP 008808031.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEFKKRLEQNLYTKSMLENEEDVDYFDYNYKGNLKIPIYHDI	158
NTDB id 627	AAM18091.1 1453..2205()	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDELFKKRIEQSILYTKSMLENEEDVDYFDYNYKGNLKIPIYHDI	158
NTDB id 487	SM12261 RS09370 WP 000866073.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDELFKKRIEQNIFYTKSMLENEEDVDYFDYNYKGNLKIPIYHDI	158
NTDB id 250	KZH43 RS10245 WP 000866065.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEMFKKRIEQNIFYTKSMLENEEDVDYFDYNYKGNLKIPIYHDI	158
NTDB id 209	SPD RS10920 WP 000866065.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEMFKKRIEQNIFYTKSMLENEEDVDYFDYNYKGNLKIPIYHDI	158
NTDB id 175	SPR RS10400 WP 000866065.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEMFKKRIEQNIFYTKSMLENEEDVDYFDYNYKGNLKIPIYHDI	158
NTDB id 139	SP RS11425 WP 000866065.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEMFKKRIEQNIFYTKSMLENEEDVDYFDYNYKGNLKIPIYHDI	158
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDELFKKRIEQNIFYTKSMLENEEDVDYFDYNYKGNLKIPIYHDI	158
NTDB id 545	H702 RS02385 WP 052071091.1	SRTAIVFVVTTHSEFMLLTYRAQVSALDFDKTDKDAIKNDKKCKQKVE.DQGFNIPKEIFVHNNKTKIRIPLEDI	158
NTDB id 542	H702 RS02345 WP 039696227.1	DPTAIVFVVTTHSEFMLLTYQSLVGATDFDKNDDEAFGGRIELCKEALK.YQTGSFGENSFLEETAKARIRVAYDDI	159
NTDB id 367370	FHI56 RS09885 WP 002886762.1	DPYANIVFFTTTHSEYLPFLTQQYQLAALDFDKSLIEGEDFQKRLESILLTCKKIQSQ.NPEDAFRIENVKTVIQVPFHDI	159
NTDB id 55	SMU RS08710 WP 002262114.1	NPSAIVFVVTTHSEFMPLTHQQYQVSALDFDKSLNPEBFSHRIBSALYYAMENSQKNGQSEELFIHSSSETQFQVPAEII	160
consensus		***!*!!!!!!* !!*****!*****!*****!***** ***** * *** ***** ***** **********!	

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NTDB id 420	DQL23 RS10740 WP 008808031.1	LYIETTGSPIYKLVVGNKNNFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLVYDGHRSPIISRLRVR	238
NTDB id 417	SGO RS10500 WP 008808031.1	LYIETTGSPIYKLVVGNKNNFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLVYDGHRSPIISRLRVR	238
NTDB id 627	AAM18091.1 1453..2205()	LYIETTGSPIYKLVVGNKNNFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLVYDGHRSPIISRLRVR	238
NTDB id 487	SM12261 RS09370 WP 000866073.1	LYIETTGSPIYKLVVGNKNNFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLVYDGHRSPIISRLRVR	238
NTDB id 250	KZH43 RS10245 WP 000866065.1	LYIETTGSPIYKLVVGNKNNFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLVYDGHRSPIISRLRVR	238
NTDB id 209	SPD RS10920 WP 000866065.1	LYIETTGSPIYKLVVGNKNNFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLVYDGHRSPIISRLRVR	238
NTDB id 175	SPR RS10400 WP 000866065.1	LYIETTGSPIYKLVVGNKNNFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLVYDGHRSPIISRLRVR	238
NTDB id 139	SP RS11425 WP 000866065.1	LYIETTGSPIYKLVVGNKNNFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLVYDGHRSPIISRLRVR	238
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	LYIETTGSPIYKLVVGNKNNFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLVYDGHRSPIISRLRVR	238
NTDB id 545	H702 RS02385 WP 052071091.1	LYFETAE.SHRLKLIITKGGQHFGYSIKEVMIANQ...KLRCHKSYSLNINNIIVRLDKKEGLVYFDDDKACYVSRKYIK	234
NTDB id 542	H702 RS02345 WP 039696227.1	LYFETSPTVHVRVILHTKTGQTEFYGTIAEVAKS...RLLKCHRSFVIVNNVTEFDDKSTRATAYFENGSCYQVSRDKVK	236
NTDB id 367370	FHI56 RS09885 WP 002886762.1	LYFETSPTVHVRVILHTKTGQTEFYGTIAEVAKS...RLLKCHRSFVIVNNVTEFDDKSTRATAYFENGSCYQVSRDKVK	236
NTDB id 55	SMU RS08710 WP 002262114.1	LYFETSPTVHVRVILHTKTGQTEFYGTIAEVAKS...RLLKCHRSFVIVNNVTEFDDKSTRATAYFENGSCYQVSRDKVK	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 627 AAM18091.1 1453..2205()	K L R D I L E K K S K K *	250
NTDB id 487 SM12261 RS09370 WP 000866073.1	K L K D I L E K K S Q K	250
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 515 SMSK321 RS0102895 WP 000866074.1	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 367370 FHI56 RS09885 WP 002886762.1	K L L E R I S L	244
NTDB id 55 SMU RS08710 WP 002262114.1	K L R A V I A D Q R R A K	250
consensus	* ! * * * * * * * *	

- ☐ non conserved
- ☒ similar
- ☒ ≥ 50% conserved