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NTDB id 420	DQL23 RS10740 WP 008808031.1	.MKVLVLEDTIEHQVRLERILDEISKESNIPISY.KTTGKVRREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 417	SGO RS10500 WP 008808031.1	.MKVLVLEDTIEHQVRLERIVFEEISRELNLLEIKA.KVTGKTHEFKEYVESDEVNQLYFLDIDIKGEEQKGLEMAQFIRQH	78
NTDB id 627	AAM18091.1 1453..2205()	.MKVLILEDVIEHQVRLERTLDEISKELNIPISY.KTTGKEREFKEYIENDEVNQLYFLDIDIHGVEKKGFEVAQFIRRH	78
NTDB id 487	SM12261 RS09370 WP 000866073.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQFIRHH	78
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 250	KZH43 RS10245 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 209	SPD RS10920 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 175	SPR RS10400 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 139	SP RS11425 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKESNIPISY.KTTGKVRREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 545	H702 RS02385 WP 052071091.1	MIDIYVLEDNIVNQQRFRTEKMIGDILETNQWETRHFDFLSEPDCLTNLY.EESFPQIFFLDIDIHGDNTEKGEVAKAIREK	79
NTDB id 542	H702 RS02345 WP 039696227.1	MLDIFILEDNITQQFRIRERQIETIMERNHWEYQRLEAF.AASKDIKKADGGGNHGVFFLDLEIKGDEKQGLDVARSIRESK	80
NTDB id 58447	I872 RS05505 WP 015605157.1	.MKIFVLEDDIKQQAYPESTIKGILEKNGWECQGLEIYKGPDMLDIAVRERGSHQIFFLDIBIKQETQKCLEVAGKIRKL	79
NTDB id 55	SMU RS08710 WP 002262114.1	MISIFVLEDDFLQGRLETTIAATMKEKNWSYKELTIFGKPPQLIDATPEKGNHQIFFLDIBIKKEKKGLEVANQIRQH	80
consensus		*****!!! ***!***!********** * * * * ***** ***** **!!!**!* * * *! *!* *! *	

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NTDB id 420	DQL23 RS10740 WP 008808031.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEFKKRLEONLYTSMLENEVDVDYFDYNYKGNDLKIPIYHDI	158
NTDB id 417	SGO RS10500 WP 008808031.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEFKKRLEONLYTSMLENEVDVDYFDYNYKGNDLKIPIYHDI	158
NTDB id 627	AAM18091.1 1453..2205()	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDELFKKRIEQSILYTKSMLENEKDVDYFDYNYKGNDLKIPIYHDI	158
NTDB id 487	SM12261 RS09370 WP 000866073.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDELFKKRIEQNIFYTKSMLENEVDVDYFDYNYKGNDLKIPIYHDI	158
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDELFKKRIEQNIFYTKSMLENEVDVDYFDYNYKGNDLKIPIYHDI	158
NTDB id 250	KZH43 RS10245 WP 000866065.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEMFKKRIEQNIFYTKSMLENEVDVDYFDYNYKGNDLKIPIYHDI	158
NTDB id 209	SPD RS10920 WP 000866065.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEMFKKRIEQNIFYTKSMLENEVDVDYFDYNYKGNDLKIPIYHDI	158
NTDB id 175	SPR RS10400 WP 000866065.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEMFKKRIEQNIFYTKSMLENEVDVDYFDYNYKGNDLKIPIYHDI	158
NTDB id 139	SP RS11425 WP 000866065.1	NPYAIIVFVTSRSEFATLTYYKYQVSALDFYDKDINDEMFKKRIEQNIFYTKSMLENEVDVDYFDYNYKGNDLKIPIYHDI	158
NTDB id 545	H702 RS02385 WP 052071091.1	SRTAIVFVVTTHSEFMLLTYRAQVSALDFIDKTDKDAIKNDLKKCKQKVFEDQ.GFNIPKEIFVFNENKTKIRIPLEDI	158
NTDB id 542	H702 RS02345 WP 039696227.1	DPYAIIVFVVTTHSEFMLLTYQSLVGAIDFDKNDNDEAFGGRIELCKEALKYQ.TGSFGENSYLEETAKARIVAYDDI	159
NTDB id 58447	I872 RS05505 WP 015605157.1	DPYAIIVFVVTTHSEFMPLTFRYQVSALDFIDKGLPEEDFIKQIEQDLAYLYERK.DSFQAEETFFVENSKSDQFQVPSSEI	158
NTDB id 55	SMU RS08710 WP 002262114.1	NPSAVIVFVVTTHSEFMPLTFRYQVSALDFIDKSLNPEBBSHRIBSALYYAMENSQKNGQSEELFIHSSSETQFQVPSAEI	160
consensus		***!***!!*!* !!!***!*****!***!!*!!***** ***** * *** * * * * ***** * * * *! *! * *! *	

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NTDB id 420	DQL23 RS10740 WP 008808031.1	LYIETTGSPLYKLVVGNKFFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKTKDVLVYDGHRSPI SRLRVR	238
NTDB id 417	SGO RS10500 WP 008808031.1	LYIETTGSPLYKLVVGNKFFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKTKDVLVYDGHRSPI SRLRVR	238
NTDB id 627	AAM18091.1 1453..2205()	LYIETTGVSHKLRIGKNFAKEFYGTMAEIQEQDKDTQRFYSAHKSFLVNVGNIREIDRKNLEVVFYEDHRCPI SRLKVR	238
NTDB id 487	SM12261 RS09370 WP 000866073.1	LYIETTGVSHKLRIGKNFAKEFYGTMDIQEQDKHTQRFYSPHKSYFLVNI GNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	LYIETTGVSHKLRIGKNFAKEFYGTMDIQEQDKHTQRFYSPHKSYFLVNI GNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 250	KZH43 RS10245 WP 000866065.1	LYIETTGVSHKLRIGKNFAKEFYGTMDIQEQDKHTQRFYSPHKSYFLVNI GNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 209	SPD RS10920 WP 000866065.1	LYIETTGVSHKLRIGKNFAKEFYGTMDIQEQDKHTQRFYSPHKSYFLVNI GNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 175	SPR RS10400 WP 000866065.1	LYIETTGVSHKLRIGKNFAKEFYGTMDIQEQDKHTQRFYSPHKSYFLVNI GNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 139	SP RS11425 WP 000866065.1	LYIETTGVSHKLRIGKNFAKEFYGTMDIQEQDKHTQRFYSPHKSYFLVNI GNIREIDRKNLEIVFYEDHRCPI SRLKIR	238
NTDB id 545	H702 RS02385 WP 052071091.1	LYFETAE.SHRLLKLIITKGGQHFGYSIKEVMIANQ...KLIRCHHSYLTNNIVRLDKKEGLVYFDDDKACYVSRKYIK	234
NTDB id 542	H702 RS02345 WP 039696227.1	LYFETSPTVHRVILHTKTGQTEFYGTIAEVAKSDK...RLLKCHRSFVIVNNVTEFDDKSTRATAYFENGSCYQVSRDKVK	236
NTDB id 58447	I872 RS05505 WP 015605157.1	YFFETSEVPHRLVLYTTKKERIEFYGQLSEITKQDK...RLYRCHRSYVNVNANISQLDKKTIENIAYFPNGASCYVSRDKMK	235
NTDB id 55	SMU RS08710 WP 002262114.1	LYFETSSTAHLCLYTYDERIEFYGSMIDIVKMDK...RLRQCHRSFIVNPNITRIDRKRLAYERNKSLISRTKLT	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 515 SMSK321 RS0102895 WP 000866074.1	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 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 58447 I872 RS05505 WP 015605157.1	G L R A A L R Q	243
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