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NTDB id 420	DQL23 RS10740 WP 008808031.1	.MKVLILEDVIEHQVRLERILDEISKE SNIP ISY.KITGKVR EF KEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 417	SGO RS10500 WP 008808031.1	.MKVLILEDVIEHQVRLERIVFEEISRELNLIEIKA.KVTGKTHEFKEYVESDEVNQLYFLDIDIKGEEQKGLEMAQFIRQH	78
NTDB id 627	AAM18091.1 1453..2205()	.MKVLILEDVIEHQVRLERILDEISKE SNIP ISY.KITGKEREFKEYIENDEVNQLYFLDIDIHGVEKKGF EV AQFIRRH	78
NTDB id 250	KZH43 RS10245 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKE SNIP ISY.KITGKVR EF EYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 209	SPD RS10920 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKE SNIP ISY.KITGKVR EF EYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 175	SPR RS10400 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKE SNIP ISY.KITGKVR EF EYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 139	SP RS11425 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKE SNIP ISY.KITGKVR EF EYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 487	SM12261 RS09370 WP 000866073.1	.MKVLILEDVIEHQVRLERILDEISKE SNIP ISY.KITGKVR EF KEYIENDEVNQLYFLDIDIHGIEKKGFEVAQFIRHH	78
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	.MKVLILEDVIEHQVRLERILDEISKE SNIP ISY.KITGKVR EF KEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 545	H702 RS02385 WP 052071091.1	MIDIYVLEDN V NQ Q FRIEK M IGD L LETN Q WETR H FDL F SEP D CLTN L .VE S SFP Q IFFLDIDIHGDN T KGIE V AKAIREK	79
NTDB id 542	H702 RS02345 WP 039696227.1	MLDIFILEDNIT Q QFRIER Q IE T IMERN H WEY Q RLEAF A ASK D I I KKAD G GNH Q V F FLDLEIK G DEK Q GLD V ARSIREK	80
NTDB id 999180	ABD410 RS01125 WP 023612237.1	MLNIFILED D FI Q QSRLE K AVL A CV V STV V KYKTLE V FG K PN L L L GAT Q ETGNH Q FFFLDIBIK G EKK G CM E AREIRER	80
NTDB id 55	SMU RS08710 WP 002262114.1	MISIFVLED D FL Q QGRLE T TAAT M KE K NWSYKELTIF G KP Q QLID A IPEKGNH Q IFFLDIBIK G EKK G LEVANQIRQH	80
consensus		*****!!! ***!*!*!***** ** * * ***** ** ** **!*!!!!!!** **!* **!* **!	

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NTDB id 420	DQL23 RS10740 WP 008808031.1	NPYAIIVFVTSHSEFATLT F KYKVSALDFIDKDINDNSF K KRVKDCIVYTRN N LIENTDIDVDFEY S SFRGNEIRIP R DI	158
NTDB id 417	SGO RS10500 WP 008808031.1	NPYAIIVFVTSHSEFATLT F KYKVSALDFIDKDINDNSF K KRVKDCIVYTRN N LIENTDIDVDFEY S SFRGNEIRIP R DI	158
NTDB id 627	AAM18091.1 1453..2205()	NPYAIIVFVTSHSEFATLT F KYKVSALDFIDKDIND E LFKKRIEQSILYTKSM L LENEDVDYFDYNYKGN D LKIPYHDI	158
NTDB id 250	KZH43 RS10245 WP 000866065.1	NPYAIIVFVTSHSEFATLT F KYKVSALDFIDKDIND E MFKKRIEQNIFYTKSM L LENEDVDYFDYNYKGN D LKIPYHDI	158
NTDB id 209	SPD RS10920 WP 000866065.1	NPYAIIVFVTSHSEFATLT F KYKVSALDFIDKDIND E MFKKRIEQNIFYTKSM L LENEDVDYFDYNYKGN D LKIPYHDI	158
NTDB id 175	SPR RS10400 WP 000866065.1	NPYAIIVFVTSHSEFATLT F KYKVSALDFIDKDIND E MFKKRIEQNIFYTKSM L LENEDVDYFDYNYKGN D LKIPYHDI	158
NTDB id 139	SP RS11425 WP 000866065.1	NPYAIIVFVTSHSEFATLT F KYKVSALDFIDKDIND E MFKKRIEQNIFYTKSM L LENEDVDYFDYNYKGN D LKIPYHDI	158
NTDB id 487	SM12261 RS09370 WP 000866073.1	NPYAIIVFVTSHSEFATLT F KYKVSALDFIDKDIND E LFKKRIEQNIFYTKSM L LENEDVDYFDYNYKGN D LKIPYHDI	158
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	NPYAIIVFVTSHSEFATLT F KYKVSALDFIDKDIND E LFKKRIEQNIFYTKSM L LENEDVDYFDYNYKGN D LKIPYHDI	158
NTDB id 545	H702 RS02385 WP 052071091.1	SRTAIVFV V THSEFM L LT Y QAQVSALDFIDKTDK D AIK N LKKCLQKVFDQ.GFNIPKEIF V ENNKTKIRIP LEDI	158
NTDB id 542	H702 RS02345 WP 039696227.1	DPTAIVFV V THSEFM L LT Y QSLV G AT DFDIDKNNDEAFGGRIELCLKEALKY.QTGSFGENSYLETAKARIRVAYDDI	159
NTDB id 999180	ABD410 RS01125 WP 023612237.1	DPYAVIVFV V THSEFM P V TYRYRVSALDFIDKGLSNDEFQKAVTDVLVHAFENIDH.TVAENSFIYKTENAHIQVPSDI	159
NTDB id 55	SMU RS08710 WP 002262114.1	NPSAVIVFV V THSEFM P LT Y QYQVSALDFIDKSL N PE B ESH RIESALYVAMENSQKNGQSEELFIHSSETQFQVPAEI	160
consensus		***!*!!!!!!* !!!***!*****!*!!!!!!***** ***** * *** ***** ***** ***** *****	

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NTDB id 420	DQL23 RS10740 WP 008808031.1	LYIETTGSPYKLRVVGKNFFKEFYGTIAEIQEQDKELGY F SPHKSYLSNIS IS SGYDK K TKDVL Y YD G HRSPISRL R VR	238
NTDB id 417	SGO RS10500 WP 008808031.1	LYIETTGSPYKLRVVGKNFFKEFYGTIAEIQEQDKELGY F SPHKSYLSNIS IS SGYDK K TKDVL Y YD G HRSPISRL R VR	238
NTDB id 627	AAM18091.1 1453..2205()	LYIETTGVS H KLRIIGKNFAKEFYGTMA DIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEVVFYEDHRCPITRLKVR	238
NTDB id 250	KZH43 RS10245 WP 000866065.1	LYIETTGVS H KLRIIGKNFAKEFYGTMA DIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEVVFYEDHRCPISRLKIR	238
NTDB id 209	SPD RS10920 WP 000866065.1	LYIETTGVS H KLRIIGKNFAKEFYGTMA DIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEVVFYEDHRCPISRLKIR	238
NTDB id 175	SPR RS10400 WP 000866065.1	LYIETTGVS H KLRIIGKNFAKEFYGTMA DIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEVVFYEDHRCPISRLKIR	238
NTDB id 139	SP RS11425 WP 000866065.1	LYIETTGVS H KLRIIGKNFAKEFYGTMA DIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEVVFYEDHRCPISRLKIR	238
NTDB id 487	SM12261 RS09370 WP 000866073.1	LYIETTGVS H KLRIIGKNFAKEFYGTMA DIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEVVFYEDHRCPISRLKIR	238
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	LYIETTGVS H KLRIIGKNFAKEFYGTMA DIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEVVFYEDHRCPISRLKIR	238
NTDB id 545	H702 RS02385 WP 052071091.1	LYFETAE . SHRL K LIT T KGQH F YCS I KEV M IANQ...KL R CH H KS Y L N NI V RLDK E GLV F YDD D KAC Y VS R KY I K	234
NTDB id 542	H702 RS02345 WP 039696227.1	LYFETSPTV H RVILHTKTGQTEFYGTIAE V AKSDK...RL L K C HR S FV I NN V TE FDKSTRATAYFENGSYCQVSRDKVK	236
NTDB id 999180	ABD410 RS01125 WP 023612237.1	LYFETSTTH K VT L KTKTGQLEFYGK V SEISKADN...RL L Y A HR S V V NPAN V TKIDRT N HTIYFENG D S C LVSRL K QK	236
NTDB id 55	SMU RS08710 WP 002262114.1	LYFETSSTA H KLCLYTY DERIEFYGSMTDIVKMDK...RLLCHHRSFIVNPANITRIDRKKRLAYERNNSCLISRTKIT	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 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 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 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 999180 ABD410 RS01125 WP 023612237.1	K L V D L V E N K	245
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