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NTDB id 420	DQL23 RS10740 WP 008808031.1	.MKVLVLEDTIEHQVRLERILDEISKE ¹ SNIPISY.KITGK ¹ VREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIR ¹ QH	78
NTDB id 417	SGO RS10500 WP 008808031.1	.MKVLVLEDTIEHQVRLERIVFEEISRELNL ¹ EITKA.KVTGK ¹ IHEFKEYVESDEVNQLYFLDIDIKGEEQKGLEMAQFIR ¹ QH	78
NTDB id 627	AAM18091.1 1453..2205()	.MKVLILEDVIEHQVRLERTLDEISKELNIPISY.KTTGKEREFKEYIENDEVNQLYFLDIDIHGVEKKGF ¹ EVAQFIRRH	78
NTDB id 487	SM12261 RS09370 WP 000866073.1	.MKVLILEDVIEHQVRLERILDEISKE ¹ SNIPISY.KTTGK ¹ VREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQFIRHH	78
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	.MKVLILEDVIEHQVRLERILDEISKE ¹ SNIPISY.KTTGK ¹ VREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 250	KZH43 RS10245 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKE ¹ SNIPISY.KTTGK ¹ VREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 209	SPD RS10920 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKE ¹ SNIPISY.KTTGK ¹ VREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 175	SPR RS10400 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKE ¹ SNIPISY.KTTGK ¹ VREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 139	SP RS11425 WP 000866065.1	.MKVLILEDVIEHQVRLERILDEISKE ¹ SNIPISY.KTTGK ¹ VREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY	78
NTDB id 545	H702 RS02385 WP 052071091.1	MIDIVVLEDN ¹ VNQ ¹ QFRIEKMGID ¹ LETN ¹ QWETR ¹ HF ¹ DLFSE ¹ PDCLTN.LVE ¹ ESFPQIFFLDIDIHGDN ¹ TG ¹ IEVAKAIREK	79
NTDB id 542	H702 RS02345 WP 039696227.1	MLDIFILEDNITQ ¹ QFRIERQ ¹ LETIMERNHWEYQRLEAF ¹ AASK ¹ DIKKADGGGNH ¹ QV ¹ FLDLEIKGDEKQGLDVAR ¹ SIREK	80
NTDB id 163408	ATM98 RS05735 WP 040803104.1	MLNIFVLED ¹ DFLQ ¹ QTRIE ¹ TATIKKCM ¹ T ¹ DHHIKYKYLEV ¹ FGKPTQLL ¹ EATKETGNH ¹ QFFFLDIBIKGEEKKCM ¹ TAIREK	80
NTDB id 55	SMU RS08710 WP 002262114.1	MISIFVLED ¹ DFLQ ¹ QGRLETT ¹ AAITMKEKNWSYKELTIFGK ¹ PQQLIDATPEKGNH ¹ QIFFLDIBIKGEEKKGLEVA ¹ NQIRQH	80
consensus		*****!!! **!*!*!*!***** ** * * * ***** ** ** **!*!!!!!!*! **!* **!* **!*!!!	

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NTDB id 420	DQL23 RS10740 WP 008808031.1	NPYAIIVFVTSRSEFATLT ¹ FKYKVSALDFIDKDINDNSFKKRVKDCIVYTRNNLI ¹ ENTD ¹ IVDFFEYSFRGNEIRIP ¹ ERDI	158
NTDB id 417	SGO RS10500 WP 008808031.1	NPYAIIVFVTSRSEFATLT ¹ FKYKVSALDFIDKDINDNSFKKRVKDCIVYTRNNLI ¹ ENTD ¹ IVDFFEYSFRGNEIRIP ¹ ERDI	158
NTDB id 627	AAM18091.1 1453..2205()	NPYAIIVFVTSRSEFATLT ¹ FKYKVSALDFIDKDIND ¹ ELFKKRIBQ ¹ SILYTKSMLE ¹ ENKDVVDYFDYN ¹ YKGN ¹ DLKIPYHDI	158
NTDB id 487	SM12261 RS09370 WP 000866073.1	NPYAIIVFVTSRSEFATLT ¹ FKYKVSALDFIDKDIND ¹ ELFKKRIBQ ¹ NIFYTKSMLE ¹ ENEDVDYFDYN ¹ YKGN ¹ DLKIPYHDI	158
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	NPYAIIVFVTSRSEFATLT ¹ FKYKVSALDFIDKDIND ¹ ELFKKRIBQ ¹ NIFYTKSMLE ¹ ENEDVDYFDYN ¹ YKGN ¹ DLKIPYHDI	158
NTDB id 250	KZH43 RS10245 WP 000866065.1	NPYAIIVFVTSRSEFATLT ¹ FKYKVSALDFIDKDIND ¹ EMFKKRIBQ ¹ NIFYTKSMLE ¹ ENEDVDYFDYN ¹ YKGN ¹ DLKIPYHDI	158
NTDB id 209	SPD RS10920 WP 000866065.1	NPYAIIVFVTSRSEFATLT ¹ FKYKVSALDFIDKDIND ¹ EMFKKRIBQ ¹ NIFYTKSMLE ¹ ENEDVDYFDYN ¹ YKGN ¹ DLKIPYHDI	158
NTDB id 175	SPR RS10400 WP 000866065.1	NPYAIIVFVTSRSEFATLT ¹ FKYKVSALDFIDKDIND ¹ EMFKKRIBQ ¹ NIFYTKSMLE ¹ ENEDVDYFDYN ¹ YKGN ¹ DLKIPYHDI	158
NTDB id 139	SP RS11425 WP 000866065.1	NPYAIIVFVTSRSEFATLT ¹ FKYKVSALDFIDKDIND ¹ EMFKKRIBQ ¹ NIFYTKSMLE ¹ ENEDVDYFDYN ¹ YKGN ¹ DLKIPYHDI	158
NTDB id 545	H702 RS02385 WP 052071091.1	SRTATIVFVTTTHSEFM ¹ LT ¹ YRAQVSALDFIDKTDK ¹ DAIKND ¹ KKCKQKVFEDQ.GFNIPK ¹ EIFV ¹ ENNKTKIRIPLEDI	158
NTDB id 542	H702 RS02345 WP 039696227.1	DPTAIIIVFVTTTHSEFM ¹ LT ¹ YQSLVGA ¹ DFIDK ¹ ND ¹ EA ¹ FGGRIBLC ¹ KEALK.YQTGSFG ¹ ENS ¹ YLETAKARIRVAYDDI	159
NTDB id 163408	ATM98 RS05735 WP 040803104.1	DPSASIVFVTTTHSEFM ¹ PV ¹ TYRYRVSALDFIDKGLND ¹ GDYQEA ¹ ISSVL ¹ IHAAEN ¹ VNK.TIGEDS ¹ FS ¹ FKSEHSQIQVPSDI	159
NTDB id 55	SMU RS08710 WP 002262114.1	NPSAIVFVTTTHSEFM ¹ PLT ¹ HQQYVSALDFIDKSLN ¹ PBB ¹ SHRIBSALYVAMENSQKN ¹ GQSEEL ¹ FIH ¹ SSETQFQVPAEI	160
consensus		***!*!!!!!!*! !!!*****!*!!!!!!***** ***** * *** ***** ********** ******!	

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NTDB id 420	DQL23 RS10740 WP 008808031.1	LYIETTGSPYKL ¹ RVV ¹ GKNFFKEFYGTIAEIQEQDKELGYF ¹ SPHKSYLSNISN ¹ ISGYDK ¹ TKDVL ¹ YD ¹ GHRSPISRL ¹ RVR	238
NTDB id 417	SGO RS10500 WP 008808031.1	LYIETTGSPYKL ¹ RVV ¹ GKNFFKEFYGTIAEIQEQDKELGYF ¹ SPHKSYLSNISN ¹ ISGYDK ¹ TKDVL ¹ YD ¹ GHRSPISRL ¹ RVR	238
NTDB id 627	AAM18091.1 1453..2205()	LYIETTGVS ¹ SHKLRI ¹ IGKNFAKEFYGTMA ¹ DIQEKDKHTQRFYSPHK ¹ SFLVNI ¹ GNIREIDRKNLEIVFYEDHRCPI ¹ TRLKVR	238
NTDB id 487	SM12261 RS09370 WP 000866073.1	LYIETTGVS ¹ SHKLRI ¹ IGKNFAKEFYGTMA ¹ DIQEKDKHTQRFYSPHK ¹ SFLVNI ¹ GNIREIDRKNLEIVFYEDHRCPI ¹ SRLKIR	238
NTDB id 515	SMSK321 RS0102895 WP 000866074.1	LYIETTGVS ¹ SHKLRI ¹ IGKNFAKEFYGTMA ¹ DIQEKDKHTQRFYSPHK ¹ SFLVNI ¹ GNIREIDRKNLEIVFYEDHRCPI ¹ SRLKIR	238
NTDB id 250	KZH43 RS10245 WP 000866065.1	LYIETTGVS ¹ SHKLRI ¹ IGKNFAKEFYGTMA ¹ DIQEKDKHTQRFYSPHK ¹ SFLVNI ¹ GNIREIDRKNLEIVFYEDHRCPI ¹ SRLKIR	238
NTDB id 209	SPD RS10920 WP 000866065.1	LYIETTGVS ¹ SHKLRI ¹ IGKNFAKEFYGTMA ¹ DIQEKDKHTQRFYSPHK ¹ SFLVNI ¹ GNIREIDRKNLEIVFYEDHRCPI ¹ SRLKIR	238
NTDB id 175	SPR RS10400 WP 000866065.1	LYIETTGVS ¹ SHKLRI ¹ IGKNFAKEFYGTMA ¹ DIQEKDKHTQRFYSPHK ¹ SFLVNI ¹ GNIREIDRKNLEIVFYEDHRCPI ¹ SRLKIR	238
NTDB id 139	SP RS11425 WP 000866065.1	LYIETTGVS ¹ SHKLRI ¹ IGKNFAKEFYGTMA ¹ DIQEKDKHTQRFYSPHK ¹ SFLVNI ¹ GNIREIDRKNLEIVFYEDHRCPI ¹ SRLKIR	238
NTDB id 545	H702 RS02385 WP 052071091.1	LYFETAE ¹ .SHRLKLI ¹ TKTGQH ¹ FYCSIKEVM ¹ IANQ...KL ¹ ERCH ¹ KS ¹ YL ¹ NI ¹ NNIV ¹ RLDK ¹ KEGLV ¹ YFDD ¹ KAC ¹ YVSRKYIK	234
NTDB id 542	H702 RS02345 WP 039696227.1	LYFETSPTVHRVILHTKTGQTEFYGTIAEVA ¹ AKSDK...RL ¹ LKCH ¹ RSFV ¹ IN ¹ VN ¹ VFED ¹ KSTR ¹ TAYFENG ¹ SYCQVSRD ¹ KVK	236
NTDB id 163408	ATM98 RS05735 WP 040803104.1	LYFETSSTVHKVVLTTTKGHMEFYGV ¹ GVSDIAKSDK...RLYQSHRAYV ¹ NPEN ¹ VVRID ¹ KAN ¹ HYFEN ¹ DS ¹ CFVSR ¹ LK ¹ LK	236
NTDB id 55	SMU RS08710 WP 002262114.1	LYFETSSTA ¹ HKLCLYTYDERIEFYGSMDI ¹ VKMDK...RL ¹ EQCH ¹ RSFIV ¹ NPANITRIDR ¹ KRLAYERN ¹ NSCLISRT ¹ KT	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 163408 ATM98 RS05735 WP 040803104.1	G L V E K V D K 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