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NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTINIVALLRQAEILISATCEQAVVTQVVSASGTSVPEALLSLSIFHAQELTEQLSHIFGIPETDLSRYDYA	70
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSLTLRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGHSQPELSQYEYA	70
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSGEESLLEQVKASGISMPEALLSSGFFQSHELTETHLSSVFGLSCTSLNQYEYA	70
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLRLRLVQMQVVTVGEAEHYYNESQA.GKEVLPLMFSDGVTSPKSLAALIARVFSYSLDLRHYPRH	69
NTDB id 1251 GC085 RS07725 WP 011946523.1	..MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQITALTAQNFQVPMLDINCIDVG	78
NTDB id 999913 ABFU69 RS05325 WP 012437606.1	MNSVATTNLVGITCIARRLVQDGALEEAARTAMGQAAAQAKVPIQWFQAEKKLVSAQAALAAANAVEFGMPLMDVSFEDAS	80
NTDB id 1058 ABD1 RS01615 WP 001274986.1	..MSALHTSPKFTGFFRRLVBEKHVSAATMQTALDAAKRAKQDTPVAYLIEEVHLSPSLLAETTSABFAEPYFDLDVYDTS	78
NTDB id 1018 ACIAD RS01685 WP 004920473.1	..MSAFTTPPKFSGFIRRLVBEGYVNAQNMQQALEKAKKFKQDVPYVLIQDNFSLPLTIAETISLEFGEPLLDLGVFDPA	78
consensus	*** *!*** **** * ** * ** ** ** **	

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NTDB id 1168 A1552VC RS11070 WP 000957200.1	SLCQQLVLEELIRHSLPLERRCGLYAVSDPTNQAEDDRLFATGLVELVIVEVDKLSALLRRLYCRSSEFSSSL	150
NTDB id 1293 VP RS12240 WP 005479695.1	SLCQQLVLEELIRHSLPLERRCGLYAVSDPTNQAEDDRLFATGLVELVIVEVDKLSALLRRLYCRSSEFSSSL	150
NTDB id 1401 DSB67 RS12665 WP 010643259.1	SLCQQLVLEELIRHSLPLERRCGLYAVSDPTNQAEDDRLFATGLVELVIVEVDKLSALLRRLYCRSSEFSSSL	150
NTDB id 1110 NGFG RS09235 WP 003689817.1	SLCQQLVLEELIRHSLPLERRCGLYAVSDPTNQAEDDRLFATGLVELVIVEVDKLSALLRRLYCRSSEFSSSL	148
NTDB id 1251 GC085 RS07725 WP 011946523.1	SLCQQLVLEELIRHSLPLERRCGLYAVSDPTNQAEDDRLFATGLVELVIVEVDKLSALLRRLYCRSSEFSSSL	158
NTDB id 999913 ABFU69 RS05325 WP 012437606.1	SLCQQLVLEELIRHSLPLERRCGLYAVSDPTNQAEDDRLFATGLVELVIVEVDKLSALLRRLYCRSSEFSSSL	160
NTDB id 1058 ABD1 RS01615 WP 001274986.1	SLCQQLVLEELIRHSLPLERRCGLYAVSDPTNQAEDDRLFATGLVELVIVEVDKLSALLRRLYCRSSEFSSSL	158
NTDB id 1018 ACIAD RS01685 WP 004920473.1	SLCQQLVLEELIRHSLPLERRCGLYAVSDPTNQAEDDRLFATGLVELVIVEVDKLSALLRRLYCRSSEFSSSL	158
consensus	* ** *** ** *!*** **** *****!*** ***** ** ***** * ** *****	

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NTDB id 1168 A1552VC RS11070 WP 000957200.1	KEISQEEELDLVSYCDEDEDSLEDLSQDESPVRYINKLLDAIRGASDIHFEPYEYRVRPDCGLLEVAQP	226
NTDB id 1293 VP RS12240 WP 005479695.1	KEISQEEELDLVSYCDEDEDSLEDLSQDESPVRYINKLLDAIRGASDIHFEPYEYRVRPDCGLLEVAQP	226
NTDB id 1401 DSB67 RS12665 WP 010643259.1	KEISQEEELDLVSYCDEDEDSLEDLSQDESPVRYINKLLDAIRGASDIHFEPYEYRVRPDCGLLEVAQP	226
NTDB id 1110 NGFG RS09235 WP 003689817.1	KEISQEEELDLVSYCDEDEDSLEDLSQDESPVRYINKLLDAIRGASDIHFEPYEYRVRPDCGLLEVAQP	216
NTDB id 1251 GC085 RS07725 WP 011946523.1	KEISQEEELDLVSYCDEDEDSLEDLSQDESPVRYINKLLDAIRGASDIHFEPYEYRVRPDCGLLEVAQP	235
NTDB id 999913 ABFU69 RS05325 WP 012437606.1	KEISQEEELDLVSYCDEDEDSLEDLSQDESPVRYINKLLDAIRGASDIHFEPYEYRVRPDCGLLEVAQP	239
NTDB id 1058 ABD1 RS01615 WP 001274986.1	KEISQEEELDLVSYCDEDEDSLEDLSQDESPVRYINKLLDAIRGASDIHFEPYEYRVRPDCGLLEVAQP	230
NTDB id 1018 ACIAD RS01685 WP 004920473.1	KEISQEEELDLVSYCDEDEDSLEDLSQDESPVRYINKLLDAIRGASDIHFEPYEYRVRPDCGLLEVAQP	230
consensus	* ** * * ** *****!*** ***** *!*****!*** *****	

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NTDB id 1168 A1552VC RS11070 WP 000957200.1	ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSH.DTAIDMRVSTLPTLFGKEVLRRLDSSAANLIDDKLGYNPQQ	305
NTDB id 1293 VP RS12240 WP 005479695.1	ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSH.DTAIDMRVSTLPTLFGKEVLRRLDSSAANLIDDKLGYNPQQ	305
NTDB id 1401 DSB67 RS12665 WP 010643259.1	ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSH.DTAIDMRVSTLPTLFGKEVLRRLDSSAANLIDDKLGYNPQQ	305
NTDB id 1110 NGFG RS09235 WP 003689817.1	ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSH.DTAIDMRVSTLPTLFGKEVLRRLDSSAANLIDDKLGYNPQQ	296
NTDB id 1251 GC085 RS07725 WP 011946523.1	ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSH.DTAIDMRVSTLPTLFGKEVLRRLDSSAANLIDDKLGYNPQQ	314
NTDB id 999913 ABFU69 RS05325 WP 012437606.1	ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSH.DTAIDMRVSTLPTLFGKEVLRRLDSSAANLIDDKLGYNPQQ	318
NTDB id 1058 ABD1 RS01615 WP 001274986.1	ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSH.DTAIDMRVSTLPTLFGKEVLRRLDSSAANLIDDKLGYNPQQ	309
NTDB id 1018 ACIAD RS01685 WP 004920473.1	ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSH.DTAIDMRVSTLPTLFGKEVLRRLDSSAANLIDDKLGYNPQQ	309
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NTDB id 1168	A1552VC	RS11070	WP 000957200.1	KQLEALRPQCMILMTGPTGSGKTVSLYTGLNINTEELNISTAE DPVEINLPGINQVQVQPKIGFGFAEALRSFLRQ	385
NTDB id 1293	VP	RS12240	WP 005479695.1	KQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNINLKPETINISTAEDPVEINLPGINQVQVQPKIGFGFAEALRSFLRQ	385
NTDB id 1401	DSB67	RS12665	WP 010643259.1	KQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPETINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQ	385
NTDB id 1110	NGFG	RS09235	WP 003689817.1	KKLLLEATHRPYCMVLVTGPTGSGKTVSLYTCLNINLNTESVNIAETAEDPAEINLPGINQVNVNDKQGTTFAAALRSFLRQ	376
NTDB id 1251	GCO85	RS07725	WP 011946523.1	RTNFKAIQRPQGMILVTGPTGSGKTVTLYTALNINLNTIEVNISTAEDPVEIKVPGINQVNIINPKAGETFSGALRSFLRQ	394
NTDB id 999913	ABFU69	RS05325	WP 012437606.1	KKLFDAIHKPYCMVLVTGPTGSGKTVSLYTALGILNDETRNISTAEDPVEIRLPGVNVQVQVQVNRGCTFAAALRSFLRQ	398
NTDB id 1058	ABD1	RS01615	WP 001274986.1	KALFMEALDKPQGMILITGPTGSGKTVSLYTGLNINLNTESSNISTAEDPVEINLEGINQVNVNPKVGTTFAAALRSFLRQ	389
NTDB id 1018	ACIAD	RS01685	WP 004920473.1	KALFMEALNKPQGMILITGPTGSGKTVSLYTGLNINLNTAHANISTAEDPVEINLEGVNVQVNVNPKVGTTFAAALRSFLRQ	389
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NTDB id 1168	A1552VC	RS11070	WP 000957200.1	DPDWMNGEIRDLETAETAKAAQTGHLVSLHTNSAAETIRLNMGVAFNFIASSVSLIAQRLARRLCCKHCKIAV.	464
NTDB id 1293	VP	RS12240	WP 005479695.1	DPDVVMVGEIRDLDTAETAIKASQTGHLVSLHTNSAAETIRLSNMGVESFNLIASSLSLIAQRLARRLCOPYCKQPQ.	464
NTDB id 1401	DSB67	RS12665	WP 010643259.1	DPDVVMVGEIRDLDTAETAIKASQTGHLVSLHTNSAAETIRLSNMGVESFNLIASSLSLIAQRLARRLCOPYCKQPQ.	464
NTDB id 1110	NGFG	RS09235	WP 003689817.1	DPDIIMVGEIRDLETAETAKAAQTGHLVSLHTNSAAETIRLNMGVAFNFIASSVSLIAQRLARRLCSSCKQEVE	456
NTDB id 1251	GCO85	RS07725	WP 011946523.1	DPDIIMVGEIRDLETAETAIKAAQTGHLVSLHTNSAAETIRLNMGVAFNFIASSVSLIAQRLARRLCNQCCKAVRD	474
NTDB id 999913	ABFU69	RS05325	WP 012437606.1	DPDIIMVGEIRDLETAETAIKAAQTGHLVSLHTNSAAETIRLNMGVAFNFIASSVSLIAQRLARRLCNNCKRK.S	477
NTDB id 1058	ABD1	RS01615	WP 001274986.1	DPDIIMVGEIRDLETAETAIKAAQTGHLVSLHTNSAAETIRLNMGVAFNFIASSVSLIAQRLARRLCSCCKIP.A	468
NTDB id 1018	ACIAD	RS01685	WP 004920473.1	DPDIIMVGEIRDLETAETAIKAAQTGHLVSLHTNSAAETIRLNMGVAFNFIASSVSLIAQRLARRLCSCCKRP.I	468
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NTDB id 1168	A1552VC	RS11070	WP 000957200.1	RPSALLQSQFAHQPNEL...IYEANAAGCNECT.GGYSGRVGIYEVMAFNTEIAEALMQRASIHQTERIAKANGMQTLQ	539
NTDB id 1293	VP	RS12240	WP 005479695.1	EHTVQL.QHIGIQTDDN...IFRANPDGCNECT.HGYSGRGTGIYEVMRFDSESEALIKGASVHELEKLAIANGMSTLQ	538
NTDB id 1401	DSB67	RS12665	WP 010643259.1	EPNSQL.QHIGIANTEBQ...IFQANPDGCNECT.HGYSGRGTGIYEVMMKFDESSEALIKGASVHELEKLAIANGMQTLQ	538
NTDB id 1110	NGFG	RS09235	WP 003689817.1	RPSASALKEVGFTDEDIK.DWKLYRAVGCDCRGQCYKGRACVYEVMPISEEMQRVIMNNGTEVGLILDVAYKEGMVDLR	535
NTDB id 1251	GCO85	RS07725	WP 011946523.1	DFTNQGLIELGFKEADLVN..IKLYKAVGCECT.SGYRGRVGLFEVLPMTKELGQLIMSGCNSLDILKLAQSEGMLTF	551
NTDB id 999913	ABFU69	RS05325	WP 012437606.1	TLPEHALLABGFTPEQVAN..IELYEAVGCDECT.EGYKGRGTGIYQVMPMTDEIGATVLEGGNAMQIAEAAQKIGTRDLR	554
NTDB id 1058	ABD1	RS01615	WP 001274986.1	DIPKQSLLEMGFTEQDLAHPDFRVQPVGCLECR.EGYKGRVGIYEVMMKTPETISKIIMEDCNALEIAAASEKLCFNCLR	547
NTDB id 1018	ACIAD	RS01685	WP 004920473.1	QVPERSLLEMGFTEPDLAQPEFQIFEPVGCDCR.EGYKGRVGIYEVMMKTPETISKIIMEDCNALEIAATAETLCFNCLR	547
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NTDB id 1168	A1552VC	RS11070	WP 000957200.1	ESGLEKIREGITSFAELQRVLYF	562
NTDB id 1293	VP	RS12240	WP 005479695.1	MSGIEKIKQGITSFSELQRVLYF	561
NTDB id 1401	DSB67	RS12665	WP 010643259.1	MSGIEKIKQGITSFRELQRVLYF	561
NTDB id 1110	NGFG	RS09235	WP 003689817.1	RAGILKIMQGITSLEEVNTANTND	558
NTDB id 1251	GCO85	RS07725	WP 011946523.1	QSGIEKVKEGITTIEEVNRVTVD	574
NTDB id 999913	ABFU69	RS05325	WP 012437606.1	QSALMKASHGVTSLAEINRVTKD	577
NTDB id 1058	ABD1	RS01615	WP 001274986.1	RSCLKKVMQCVTSLQEVNRVTSE	570
NTDB id 1018	ACIAD	RS01685	WP 004920473.1	RSGLKKVMQCVTSLQEVNRVTSE	570
consensus					

 non conserved
 similar
 $\geq 50\%$ conserved