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NTDB id 1203	PSJM300 01605 AFN76401.1 MEFKLLRLMVEKGCSDLFTTACVPPSMKVNCKILPVNKTPTMSPEMTRETWHGVNNEQQRREFTENHFCNFAISAR	76
NTDB id 1177	A1552VC RS01165 WP 000422572.1	.... MELNQYLDGMLTHKASDLYITVGGAPILYRVDGELRAQGEA.LSVADVTAALHAMDDARQAEFKQTRANFAV.VR	74
NTDB id 1100370	NVR62 RS17925 WP 022649354.1	.... MDVEEIVALSVKHNVSDDLHLCSDSPRRWRRSGRLEPAPFP...PDVEALLKAWLNDEQGGAWWANGVDFAVTLT	73
NTDB id 1307	DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGSDDTLAACIPPFQKISCDYDAQGFEPISASDTRKLMYSMMNERQQRIEERKRELDFSFALG	80
NTDB id 1086	NMV RS00245 WP 002218487.1	.... MQITDLLAFGAKNKASDLHLSSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
NTDB id 1116	NGFG RS10615 WP 003690200.1	.... MQITDLLAFGAKNKASDLHLSSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
NTDB id 1185	GTF74 RS11940 WP 000350195.1	.... MDIAELLEFSVKHNASDLHLSSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
NTDB id 1176	A1552VC RS01160 WP 000350195.1	.... MDIAELLEFSVKHNASDLHLSSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
NTDB id 1283	ACE17W RS02630 WP 010947729.1	.... MDIAELLEFSVKHNASDLHLSSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
NTDB id 1259	GCO85 RS10305 WP 010947729.1	.... MDIAELLEFSVKHNASDLHLSSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
NTDB id 1202	PSJM300 01600 AFN76400.1	.... MDITELLAFSAKGGASDLHLSSGILPPMIRVDGCVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1194	PAKAF RS01995 WP 003084552.1	.... MDITELLAFSAKGGASDLHLSSGILPPMIRVDGCVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1020	ACIAD RS04210 WP 011182164.1	.... MDITELLAFSVQRASDLHLSSGILPPMIRVDGCVRRINLPAMDHSEVHNLIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1060	ABD1 RS04380 WP 000355489.1	.... MDITELLAFSVKNGASDLHLSSGILPPMIRVDGCVRRINLPAMDHSEVHNLIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1040	HON27 RS13360 WP 000355489.1	.... MDITELLAFSVKNGASDLHLSSGILPPMIRVDGCVRRINLPAMDHSEVHNLIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1081	FDQ49 RS05335 WP 006581387.1 MDITELLAFSVKNGASDLHLSSGILPPMIRVDGCVRRINLPAMDHSEVHNLIYDIMNDKQRKDFEEFLETDFSFEVP	76
consensus		*****!*****!***** * * * * *****!***** * * * * *****	

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NTDB id 1203	PSJM300 01605 AFN76401.1	GICRFRVSAFYQRNLAGMVLRRRIETINPTIEDLKLPLDVLKLLALTKRGLVLFVGCATGKSTSLAAMIGYRNKNSSGHI	156
NTDB id 1177	A1552VC RS01165 WP 000422572.1	DSCRFRVSAFFQRELPGAVIRRIETIRIPTFEELKLPVLLQNLAIARGLVLVVGATGSGKSTTMAAMTGYRNQHRITGHIL	154
NTDB id 1100370	NVR62 RS17925 WP 022649354.1	GGQRLRGSFAFKHMGVSIARLLPLTCPQLSALCVPRAIPELNSNDNGLTLVTGATGSGKSTTAAAMVDFLNHHTDGHIL	153
NTDB id 1307	DR RS10055 WP 010888596.1	DKARFRVNAFMQRGNVGVMLRLLIPTVVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTAAAMIDHINTTKLHIL	160
NTDB id 1086	NMV RS00245 WP 002218487.1	NVARFRVNAFNIIGRGPAAVFRITIPSTVLSLEELKAPSIKQIAESPRGMVLVTGPTGSGKSTTAAAMINYNETQPAHIL	156
NTDB id 1116	NGFG RS10615 WP 003690200.1	NVARFRVNAFNTIGRGPAAVFRITIPSTVLSLEELKAPSIKQIAESPRGMVLVTGPTGSGKSTTAAAMINYNETQPAHIL	156
NTDB id 1185	GTF74 RS11940 WP 000350195.1	NVGRFRVNAFHQARGCSAVFRITIPVITPLEQLDAPVIFSKIANYEKGLVLVTGPTGSGKSTTAAAMVYNVAHNNKHIL	156
NTDB id 1176	A1552VC RS01160 WP 000350195.1	NVGRFRVNAFHQARGCSAVFRITIPVITPLEQLDAPVIFSKIANYEKGLVLVTGPTGSGKSTTAAAMVYNVAHNNKHIL	156
NTDB id 1283	ACE17W RS02630 WP 010947729.1	NLARFRVNAFNQSRGAAAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTAAAVIDYINSSRYEHIL	156
NTDB id 1259	GCO85 RS10305 WP 010947729.1	NLARFRVNAFNQSRGAAAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTAAAVIDYINSSRYEHIL	156
NTDB id 1202	PSJM300 01600 AFN76400.1	GVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGMGEVFRKTDVPRGLVLVTGPTGSGKSTTAAAMDYLNNTKYHHIL	156
NTDB id 1194	PAKAF RS01995 WP 003084552.1	GVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGMGEVFRKTDVPRGLVLVTGPTGSGKSTTAAAMDYLNNTKYHHIL	156
NTDB id 1020	ACIAD RS04210 WP 011182164.1	NLARFRVNVFNQNRGAGAVFRITIPSKVLTLEELGLGKIFRDI CDYPRGLVLVTGPTGSGKSTTAAAMDYINNHRYDHIL	156
NTDB id 1060	ABD1 RS04380 WP 000355489.1	NVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGLGQIFKDI CDYPRGLVLVTGPTGSGKSTTAAAMDYINENRYDHIL	156
NTDB id 1040	HON27 RS13360 WP 000355489.1	NVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGLGQIFKDI CDYPRGLVLVTGPTGSGKSTTAAAMDYINENRYDHIL	156
NTDB id 1081	FDQ49 RS05335 WP 006581387.1	NVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGLGQIFKDI CDYPRGLVLVTGPTGSGKSTTAAAMDYINENRYDHIL	156
consensus		***!***!*** *****!***** ***** ***** * * * * *!***!***!***!***!***!***!***!***!***!***	

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NTDB id 1203 PSJM300 01605 AFN76401.1	FDQALYNLYVQGEITTYEDALLHADSSNHLRLMIKLGSETDG.EHLTSVVSQGLTL...EMSDDDPGRSFR.....	381
NTDB id 1177 A1552VC RS01165 WP 000422572.1	FDQALYQLVDDDKISEQDALHSADSANHLRLMLKTKRGDDY.GSG..SLQNVKI....DME.....	368
NTDB id 1100370 NVR62 RS17925 WP 022649354.1	FEQSLAERRAQQRI.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	MDAYLAGLFRHLITTYDKGLERAIDPKLFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATPA	400
NTDB id 1086 NMV RS00245 WP 002218487.1	MDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	MDQSLQSLVRQGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MEQNAKQLIARGVVDAAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MEQNAKQLIARGVVDAAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	LDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	LDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	LDQSLKGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	LDQSLKGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LDQSLKGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	LDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
consensus	*** * ** ***** * * * *	



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NTDB id 1203 PSJM300 01605 AFN76401.1	381
NTDB id 1177 A1552VC RS01165 WP 000422572.1	368
NTDB id 1100370 NVR62 RS17925 WP 022649354.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APAAGRSEPGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
consensus	.....

APAAGRSEPGRAGGFGRR

 non conserved
 similar
 ≥ 50% conserved