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NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISAR	76
NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTTALLHAMMDARQAEFKQTREANFAV.VR	74
NTDB id 58763 NGK71 RS19775 WP 017692691.1	MDVEEIVALSVKHNVSDLHLCSDSPPRWRRSGRLEPAP...FPPDPVEALLKAWLNDEQQGAWANGQVDFAVTLA	73
NTDB id 1448 BW25113 RS15320 WP 001326494.1	MNMEEIVALSVKHNVSDLHLCSAWPARWRIRGRMEAAP...FDTPDVEELLREWLDDQRAILLENGQLDFAVSLA	73
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITLAAGLPQFKLSGDIYAQGFEPISASDTRKLMYSMMNERQQRIFEEREKRELDIFSALG	80
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRINLPEMSAEVGNMVTSMVNDHQKRIYQQNLEVDFSFELP	76
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRINLPEMSAEVGNMVTSMVNDHQKRIYQQNLEVDFSFELP	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDGVEVRKLGVPFATHSDVHRLIFEIMNDAQRSYEYEKLEVDFSFELP	76
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDGVEVRKLGVPFATHSDVHRLIFEIMNDAQRSYEYEKLEVDFSFELP	76
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIITYDIMNDRQRKEYEEFFETDDFSFEIA	76
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIITYDIMNDRQRKEYEEFFETDDFSFEIA	76
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1194 PA0395 NP 249086.1	MDITELLAFSAKQGGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1020 ACIAD RS04210 WP 011182164.1	MDITELLAFSVQNRASDLHLSSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSFEVP	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLSSAGMPPMIRVDGEVRRINLPALAHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLSSAGMPPMIRVDGEVRRINLPALAHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSSAGMPPMIRVDGEVRRINLPALAHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP	76
consensus	*** ***** *!* ***** ***** !***** * * ** ***** ***** ***** *!* *****	

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NTDB id 1203 PSJM300 01605 AFN76401.1	GIGRFRVSAFYQRNLACGMVLRRIETNIPTIEDIKLPDVLKKIALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHIL	156
NTDB id 1177 A1552VC RS01165 WP 000422572.1	DSGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVVLVGATGTGKSTTMAAMTGYNRQHRTGHIL	154
NTDB id 58763 NGK71 RS19775 WP 017692691.1	GRQRLRGSFAKHMLGVSTIALRLPLTTCPLSALGVPAIPELLSNDNGLILVTGATGTGKSTTTLAAMVDFLNHQTDGHIL	153
NTDB id 1448 BW25113 RS15320 WP 001326494.1	ENQRLRGSFAFAQRHGISLALRLLPSSHCPQLEQLGAPTLPPELLKSENGLILVTGATGTGKSTTTLAAMVGYNLQHADAHIL	153
NTDB id 1307 DR RS10055 WP 010888596.1	DKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLTGPTGTGSGKSTTLASMDIHINTTKKLHIL	160
NTDB id 1086 NMV RS00245 WP 002218487.1	NVARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIQKIAESPRGMVLVTGPTGTGSGKSTTLAAMINYINETQPAHIL	156
NTDB id 1116 NGFG RS10615 WP 003690200.1	NVARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIQKIAESPRGMVLVTGPTGTGSGKSTTLAAMINYINETQPAHIL	156
NTDB id 1185 GTF74 RS11940 WP 000350195.1	NVGRFRVNAFHQARGCSAVFRTIPTVPTLEQLDAPEIFSKIANYEKGLVLTGPTGTGSGKSTTLAAMVNVYNAHNNKHIL	156
NTDB id 1176 A1552VC RS01160 WP 000350195.1	NVGRFRVNAFHQARGCSAVFRTIPTVPTLEQLDAPEIFSKIANYEKGLVLTGPTGTGSGKSTTLAAMVNVYNAHNNKHIL	156
NTDB id 1283 ACE17W RS02630 WP 010947729.1	NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLTGPTGTGSGKSTTLAAVIDYINSSRYEHIL	156
NTDB id 1259 GC085 RS10305 WP 010947729.1	NLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLTGPTGTGSGKSTTLAAVIDYINSSRYEHIL	156
NTDB id 1202 PSJM300 01600 AFN76400.1	GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRLVLTGPTGTGSGKSTTLAAMDYLNNTKYHHIL	156
NTDB id 1194 PA0395 NP 249086.1	GVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRLVLTGPTGTGSGKSTTLAAMDYLNNTKYHHIL	156
NTDB id 1020 ACIAD RS04210 WP 011182164.1	NLARFRVNVFNQNRGAGAVFRTIPSKVLTLEELGLGKIFRDI CDYPRGLVLTGPTGTGSGKSTTLAAMDYINNHRDYHIL	156
NTDB id 1060 ABD1 RS04380 WP 000355489.1	NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDI CDYPRGIVLVTGPTGTGSGKSTTLAAMDYINENRYDHIL	156
NTDB id 1040 HON27 RS13360 WP 000355489.1	NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDI CDYPRGIVLVTGPTGTGSGKSTTLAAMDYINENRYDHIL	156
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	NVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDI CDYPRGIVLVTGPTGTGSGKSTTLAAMDYINENRYDHIL	156
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consensus



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NTDB id 1203 PSJM300 01605 AFN76401.1	FDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDG.EHLTSVSQGLTL...EMSDDDPGRSFR.....	381
NTDB id 1177 A1552VC RS01165 WP 000422572.1	FDQALYQLVVDKISEQDALHSAADSANDLRLMLKTKRGDDY.GSG..SLQNVKI....DME.....	368
NTDB id 58763 NGK71 RS19775 WP 017692691.1	FEQSLAERRAQGR.....	326
NTDB id 1448 BW25113 RS15320 WP 001326494.1	FQQSYQHRVGEGR.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	MDAYLAGLFRHLLITYDKGLERAIDPKEFARLANDASAGLGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATPA	400
NTDB id 1086 NMV RS00245 WP 002218487.1	MDQSLQSLVRQGGLIAPEVARRRAQNSSEMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	MDQSLQSLVRQGGLIAPEAARRRAQNSSEMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	LDQHLTELNVNKNIIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	LDQHLTELNVNKNIIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	LDSCCLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PA0395 NP 249086.1	LDMCLKGLVAKGLISRENAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LDQSLKQLLAKGIINLPTARAVAKSP.ESF.....	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	LDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
consensus	*** * ** ***** * *	

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NTDB id 1203 PSJM300 01605 AFN76401.1	APAAAGRSEPGRAGGFCRR	381
NTDB id 1177 A1552VC RS01165 WP 000422572.1		368
NTDB id 58763 NGK71 RS19775 WP 017692691.1		326
NTDB id 1448 BW25113 RS15320 WP 001326494.1		326
NTDB id 1307 DR RS10055 WP 010888596.1	APAAAGRSEPGRAGGFCRR	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
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NTDB id 1040 HON27 RS13360 WP 000355489.1		345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1		345
consensus		

ⓧ

 non conserved

ⓧ

 similar

ⓧ

 ≥ 50% conserved