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NTDB id 1177 A1552VC RS01165 WP 000422572.1	...MEINQYL DGMITHKASDLYITV GAPIIYRV DGEI RAQGEA. LSVADV TALLHAMDARQA EFKITREANFAVVR.	74
NTDB id 1019 ACIAD RS04205 WP 004922051.1	...MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTTQKQRQEFIE THECNFAILNR	76
NTDB id 1101872 Q9276 RS16185 WP 044757021.1	.MSTIDFTSFLKLMAGKASDLFITSCMPPIAKVNGKISPIITQPTLAQQSRDLVLNMTPSQREVEFEKTHECNFAIGVS	79
NTDB id 1203 PSJM300 01605 AFN76401.1	...MEFEKLLRLMVEKCGSDLFITAGVPPSMKVNCKILPVNKTPSPEMTRETIVHGV MNEQQRRREFTENHECNFAISAR	76
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITLAAGLPPQFKLSCTDYDAQGFEPISASDTRKIMYSMMNERQQRIFEEKRELDDFSFAIG	80
NTDB id 1194 PAKAF RS01995 WP 003084552.1	...MDITELLAFSAKQGASDLHL SAGLPPMIRVDGCVRRINLPPL EHKQVHALIYD IMNDKQRKD FEEFLETDFSFEVP	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	...MDITELLAFSVKNGASDLHL SAGMPPMIRVDGCVRRINLPAL EHKDVHRLVYD IMNDKQRRDY EEKLETDFSFEVP	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	...MDITELLAFSVKNGASDLHL SAGMPPMIRVDGCVRRINLPAL EHKDVHRLVYD IMNDKQRRDY EEKLETDFSFEVP	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	...MDITELLAFSVKNGASDLHL SAGMPPMIRVDGCVRRINLPAL EHKDVHRLVYD IMNDKQRRDY EEKLETDFSFEVP	76
consensus	*****! *****! * * * * ! * * * * * * * * ! * * * * * * * * * * * * * * * * * * * ! * ! * * * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	.DSCRFRVSAFFQRELP GAVIRRIETRIPTFEELKLP EVLQNLAI AKRGLVLVVGATGSGKSTTMAAMTGYRNQHTGHI	153
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFQQRDMPGMIIRRIETKIPSPDLHLPPILKELAMSKRGITIFSCATCTGKSTSLASMTQHRNQHSKGHI	156
NTDB id 1101872 Q9276 RS16185 WP 044757021.1	.GVCRFRVSCFYQRNQVGMVLRRIETRIPTVDELSLPPVIKTLAMTKRGIVFVGATGAGKSTSLAAMIGYRNQNSTGHI	158
NTDB id 1203 PSJM300 01605 AFN76401.1	.GICRFRVSAFYQRNLACGMVLRRIETNIPTIEDLKLDPDVLKKLALTKRGIVLFGATCTGKSTSLAAMIGYRNKNSSGHI	155
NTDB id 1307 DR RS10055 WP 010888596.1	.DKARFRVNAPMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGVLVLTGPTGSGKSTTLASMDHINTTKLHI	159
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.GVARFRVNAPNQRGAGAVFRTIPSKVLTMEELCMGEVFKRVS DVP RGLVLVLTGPTGSGKSTTLAAMDYLNNTKYHHI	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.NVARFRVNAPNQRGAGAVFRTIPSKVLTMEDLGLGQIFKDCDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	.NVARFRVNAPNQRGAGAVFRTIPSKVLTMEDLGLGQIFKDCDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.NVARFRVNAPNQRGAGAVFRTIPSKVLTMEDLGLGQIFKDCDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
consensus	* * ! * ! * ! * ! * ! * ! * * ! * ! * * * * * * * * * * * * * * * * * * ! * ! * * * * ! * * ! * !	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	LTIEDPIEFVHEHKKCIITQREVGLDTSYEV ALKNSLRQAPDMILGEIRSRETM EYAMTFAETGHL CMTLHANNANQ	233
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ITIEDPIEFIEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILLGEIRSREVM DYALAF AETGHLV FATHLANNANQ	236
NTDB id 1101872 Q9276 RS16185 WP 044757021.1	ITIEDPIEFVHKHEGCIITQREVGLDTSWENALKNTLRQAPDVIMIGEVRTREGM DHATAFAETGHLV LCTLHANNANQ	238
NTDB id 1203 PSJM300 01605 AFN76401.1	ISIEDPIEFIHQHQCIVTQREVGLDTSFEV ALKNTLRQAPDVILLGEVTR ETDHATAFAETGHLCLATHLANNANQ	235
NTDB id 1307 DR RS10055 WP 010888596.1	LTIEDPIEFMHPNKASIIINQREVGS DTL SFDDALRAALRQAPDVILVGMERDYETIKAAV TAAETGHLVMGTLHTNSAPE	239
NTDB id 1194 PAKAF RS01995 WP 003084552.1	LTIEDPIEFVHESKKCLVNQREVHRD TLGFSEALRSALREDPDITLVGEMRDLETIRLALTA AETGHLVFGTLHTTSAAK	235
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LTVEDPIEFVHQSKKCLINQREVHRD THGFNEALRSALREDPDITLVGEMRDLETIRLALTA AETGHLVFGTLHTTSAAK	235
NTDB id 1040 HON27 RS13360 WP 000355489.1	LTVEDPIEFVHQSKKCLINQREVHRD THGFNEALRSALREDPDITLVGEMRDLETIRLALTA AETGHLVFGTLHTTSAAK	235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LTVEDPIEFVHQSKKCLINQREVHRD THGFNEALRSALREDPDITLVGEMRDLETIRLALTA AETGHLVFGTLHTTSAAK	235
consensus	* * * * ! * ! * ! * ! * ! * * * * * * ! * ! * * * * ! * * ! * * * * ! * * * * ! * * * * ! * * * !	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	ALERILHIVPKEQREQFLIDL SLNLKGVIAQQLLDKNCKGRHGVFEVLINSPRIADLIRGELHELKATMARSQEVGMQ	313
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINIPLLSDYIROGEIYKIKELMARSCELGMQ	316
NTDB id 1101872 Q9276 RS16185 WP 044757021.1	AMDRIINFPPKDRRNQLLMDLSLNLKGVVAQQLIPTPDGCRSRRVAMEIMLGTPLVQDYIRDGEIHKIKEIMKESTNLGMR	318
NTDB id 1203 PSJM300 01605 AFN76401.1	ALDRIINFPPADRQNVVMDLSLNLKAI VAQQLVPTPDGKGRRAVIEVLINIPLAADLIRKGEVHELKGLMKRSTDLGMQ	315
NTDB id 1307 DR RS10055 WP 010888596.1	SIDRIVDVFP EEQEQIVRLANNLVAVMTQQLIPRADCGQGRVLAYEILLANPAVRALIREGKTQITSVMQTGAREGMV	319
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TIDRVVDVFPABEKKAMVRSMLS ESLQSVISQTLIK.KITGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAITQTGCSLGMQ	314
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TIDRVIDVFPABEKKMVRAMLSESLQAVISQTLIK.KNCGGRVAAHEIMIGTPAIRNLIRENKVAQMYSAITQTGANHGMT	314
NTDB id 1040 HON27 RS13360 WP 000355489.1	TIDRVIDVFPABEKKMVRAMLSESLQAVISQTLIK.KNCGGRVAAHEIMIGTPAIRNLIRENKVAQMYSAITQTGANHGMT	314
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TIDRVIDVFPABEKKMVRAMLSESLQAVISQTLIK.KNCGGRVAAHEIMIGTPAIRNLIRENKVAQMYSAITQTGANHGMT	314
consensus	* * * ! * * * * * * * * * * * * * ! * * ! * * * * ! * ! * * * * ! * * * * ! * * * * ! * * * * * * * !	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVDDKISEQDALHSADSANDLRLMLK.TKRGDDYGSG...SLQNV....KIDME.....	368
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHISYADALKHADSPNNLRLQIK.LSEEANKPLDNRERMSEN....ERKMTFDGQRRNLK.....	383
NTDB id 1101872 Q9276 RS16185 WP 044757021.1	TFDQSLFELYQAGEISYEDALRYADSQNEVRLRIK.LSQGGDAKTLTSQ.GMDGV....EISEVR.....	376
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQCEITYEDALLHADSSNDLRLMIK.LGSETDGEHLTS.VSQGL....TLEMSDDDPGRSFR.....	381
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGASMTP.AAPPVPAYNSASSSSSTGRGGDFGRGAAAPAT	398
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TIDMCLKGLVAKGLISRENAREKAKIPENF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQPESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQPESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQPESFL.....	345
consensus	!*!* !*!* ****!* ** !* * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	PAAPAAGRSEPRAGGFGRR	368
NTDB id 1019 ACIAD RS04205 WP 004922051.1		383
NTDB id 1101872 Q9276 RS16185 WP 044757021.1		376
NTDB id 1203 PSJM300 01605 AFN76401.1		381
NTDB id 1307 DR RS10055 WP 010888596.1	PAAPAAGRSEPRAGGFGRR	418
NTDB id 1194 PAKAF RS01995 WP 003084552.1		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		

- X non conserved
- X similar
- X ≥ 50% conserved