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NTDB id 1177 A1552VC RS01165 WP 000422572.1	...MEINQYL DGMITHKASDLYITV GAPI IYRVDGELRAQGEA. LSVADV TALLHAMDDARQAEFKITREANFAVVR.	74
NTDB id 1019 ACIAD RS04205 WP 004922051.1	...MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVS KTKL DGMIAQLIDSITTTQKQRQEFIE THECNFAILNR	76
NTDB id 999935 ABFU06 RS06945 WP 005990431.1	.MSTIDFTSFLKLMAGKASDLFITSCMPPIAKVHGKISPITQTPLTAQQSRDLVLNMTSPSQREEFIEKTHECNFAIGVS	79
NTDB id 1203 PSJM300 01605 AFN76401.1	...MEFEKLLRLMVEKCGSDLFITAGVPPSMKVNGKILPVNKTPSPEMTRET VHGVMNEQQRREFTENHECNFAISAR	76
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITLAAGLPPQFKLSCTDYDAQGFEP LSASDTRKLMYSMMNERQQRIFEEKRELD FSFAIG	80
NTDB id 1194 PAKAF RS01995 WP 003084552.1	...MDITELLAFSAKQGASDLHL SAGLPPMIRVDGCVRRINLPPL EHKQVHALIYD IMNDKQRKD FEEFLETDFSFEVP	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	...MDITELLAFSVKNGASDLHL SAGMPPMIRVDGCVRRINLPAL EHKDVHRLVYD IMNDKQRRDY EEEKLETDFSFEVP	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	...MDITELLAFSVKNGASDLHL SAGMPPMIRVDGCVRRINLPAL EHKDVHRLVYD IMNDKQRRDY EEEKLETDFSFEVP	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	...MDITELLAFSVKNGASDLHL SAGMPPMIRVDGCVRRINLPAL EHKDVHRLVYD IMNDKQRRDY EEEKLETDFSFEVP	76
consensus	*****! *****! * * * * ! * * * * * * * * ! * * * * * * * * * * * * * * * * * * * ! * ! * * * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	.DSCRFRVSAFFQRELP GAVIRRIETRIPTFEELKLP EVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHTGHI	153
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFQQRDMPGVIIRRIETKIPSPDLHLPPILKELAMSKRGITIFSCATCTGKSTSLASMTQHRNQHSKGHI	156
NTDB id 999935 ABFU06 RS06945 WP 005990431.1	.GVCRFRVSCFYQRNQVGMVLRRIETRIPTVEELSLPPVIKTLAMTKRGILIFVGATCTGKSTSLAAMIGYRNQNSTGHI	158
NTDB id 1203 PSJM300 01605 AFN76401.1	.GICRFRVSAFYQRNLACGMVLRRIETNIPTIEDLKLDPDVLKKLALTKRGILVLFVGATCTGKSTSLAAMIGYRNKNSSGHI	155
NTDB id 1307 DR RS10055 WP 010888596.1	.DKARFRVNAPMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGGLVLVTGPTGSGKSTTLASMDHINTTKLHI	159
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.GVARFRVNAPNQRGAGAVFRTIPSKVLTMEELCMGEVFKRVS DVP RGLVLVTGPTGSGKSTTLAAMDYLNNTKYHHI	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.NVARFRVNAPNQRGAGAVFRTIPSKVLTMEDLGLGQIFKDCDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.NVARFRVNAPNQRGAGAVFRTIPSKVLTMEDLGLGQIFKDCDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	.NVARFRVNAPNQRGAGAVFRTIPSKVLTMEDLGLGQIFKDCDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
consensus	* * ! * ! * ! * ! * ! * ! * * * * * * * * * * * * * * * * * * ! * ! * * * * * ! * * * * ! * !	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	LTIEDPIEFVHEHKKCIITQREVGLDTSYEVALKNSLRQAPDMILIGEIRSR EIM EYAMTFAETGHL CMA TLHANNANQ	233
NTDB id 1019 ACIAD RS04205 WP 004922051.1	ITIEDPIEFIEHEAGCIITQREVGIDTDSFEIALKNTLRQAPDVILLIGEIRSR EIM VMDYALAF AETGHLVFA TLHANNANQ	236
NTDB id 999935 ABFU06 RS06945 WP 005990431.1	ITIEDPIEFVHKHEGCIITQREVGLDTSWENALKNTLRQAPDVIMIGEVRTREGM DHA TFAETGHLVLC TLHANNANQ	238
NTDB id 1203 PSJM300 01605 AFN76401.1	ISIEDPIEFIHQHQNCIITQREVGLDTSFEVALKNTLRQAPDVILLGEVRTRETDH AFAETGHLCLATLHANNANQ	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 1081 FDQ49 RS05335 WP 006581387.1	LTVEDPIEFVHQSKKCLINQREVHRD THGFNEALRSALREDPDITLVGEMRDLETIRLALTA 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
consensus	* * * * ! * ! * ! * ! * * * * * * * * ! * ! * * * * ! * * * ! * * * ! * * * ! * * * ! * * * ! * * * ! * * * !	

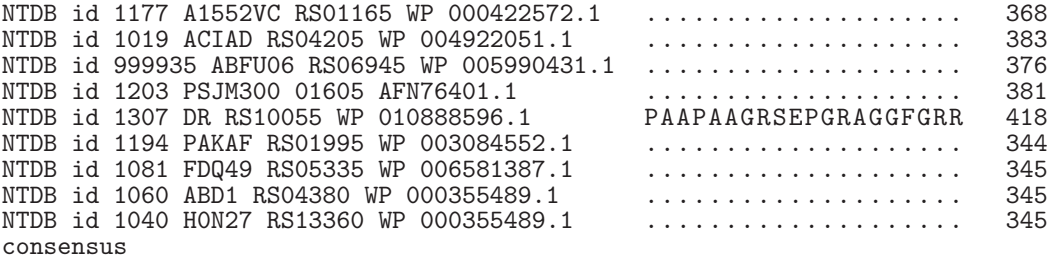
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	ALERTILHIVPKEQREQFLIDLSLNLKGVIAQQLLDKNCKGRHGVFEVLINSPRIADLIRRGELHELKATMARSQEVGMQ	313
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINIPLLSDYIROGEIYKIKELMARSCELGMQ	316
NTDB id 999935 ABFU06 RS06945 WP 005990431.1	AMDRIINFPPEDRRNQLLMDLSLNLKGVVAQQLIPTPDGGRRVAMEIMLGTPLVQDYIRDGEIHKIKEIMKESTNLGMR	318
NTDB id 1203 PSJM300 01605 AFN76401.1	ALDRIINFPPADRQNVVMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINIPLAADLIRKGEVHELKGLMKRSTDLGMQ	315
NTDB id 1307 DR RS10055 WP 010888596.1	SIDRIVDVFP EEQEQIVRLANNLVAVMITQQLPRADGQGRVLAYEILLANPAVRALIREGKTQITSVMQTGAREGMV	319
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TIDRVVDVFPABEKAMVRSMLS ESLQSVISQTLIK.KITGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAITQTGCSLGMQ	314
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TIDRVIDVFPABEKDMVRAMLS ESLQAVISQTLIK.KNCGGRVAAHEIMIGTPAIRNLIRENKVAQMYSAITQTGANHGMT	314
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TIDRVIDVFPABEKDMVRAMLS ESLQAVISQTLIK.KNCGGRVAAHEIMIGTPAIRNLIRENKVAQMYSAITQTGANHGMT	314
NTDB id 1040 HON27 RS13360 WP 000355489.1	TIDRVIDVFPABEKDMVRAMLS ESLQAVISQTLIK.KNCGGRVAAHEIMIGTPAIRNLIRENKVAQMYSAITQTGANHGMT	314
consensus	* * * ! * * * * * * * * * * * * * * ! * * ! * * * * ! * ! * * * * ! * * * ! * * * ! * * * * * * * * * * !	

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