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NTDB id 1203 PSJM300 01605 AFN76401.1	....	MEFEKLLRLMVEKGCSDLIETACVPPSMKVNCKILPYNKTPMSPEMTRETVHGVNNEQQRREFTENHHCNFAISAR	76
NTDB id 1177 A1552VC RS01165 WP 000422572.1	....	MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTAIHAMMDARQAEFKQTRANFAV.VR	74
NTDB id 993044 AAHF05 RS18695 WP 129323754.1	....	MDVEEIVALSVKHNVSDDLHLCSDSPRRWRRLGRLEPAFPFP...PDVESLLKAWLNDEQQGAWANGVDFAVTIA	73
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGID	ITDILRLAADKGSDDIILAACIPPPQFKISCDYDAQGFEPISASDTRKLMYSMMNERQQRIEERELDFSFALG	80
NTDB id 1086 NMV RS00245 WP 002218487.1	....	MQITDLLAFGAKNKASDLHLSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRIYQQNLEVDFSFELP	76
NTDB id 1116 NGFG RS10615 WP 003690200.1	....	MQITDLLAFGAKNKASDLHLSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRIYQQNLEVDFSFELP	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	....	MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFELP	76
NTDB id 1176 A1552VC RS01160 WP 000350195.1	....	MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFELP	76
NTDB id 1283 ACE17W RS02630 WP 010947729.1	....	MDIAELLEFSVKNKSSDLHLISAGMPPMIRVDGDLRKLINLPLEHKKDVIKIITYDIMNDRQRKEYEEFFETDFSFEIA	76
NTDB id 1259 GCO85 RS10305 WP 010947729.1	....	MDIAELLEFSVKNKSSDLHLISAGMPPMIRVDGDLRKLINLPLEHKKDVIKIITYDIMNDRQRKEYEEFFETDFSFEIA	76
NTDB id 1202 PSJM300 01600 AFN76400.1	....	MDITELLAFSAKKGASDLHLSGILPPMIRVDGCVRRINLPAADHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1194 PAKAF RS01995 WP 003084552.1	....	MDITELLAFSAKKGASDLHLSAGLPPMIRVDGCVRRINLPLEHKKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1020 ACIAD RS04210 WP 011182164.1	....	MDITELLAFSVQNRASDLHLSAGLPPMIRVDGEVRRINLPAADHSEVHNLIYDIMNDKQRDRYEEKLETDFSFEVP	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	....	MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKKDVHRLVYDIMNDKQRDRYEEKLETDFSFEVP	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	....	MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKKDVHRLVYDIMNDKQRDRYEEKLETDFSFEVP	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	....	MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKKDVHRLVYDIMNDKQRDRYEEKLETDFSFEVP	76
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NTDB id 1203 PSJM300 01605 AFN76401.1		GICRFRVSAFYQRNLAGMVLRRRIETINPTIEDLKLDPVLLKLLALTKRGLVLFVGAFTGKSTSLAAMIGYRNKNSSGHI	156
NTDB id 1177 A1552VC RS01165 WP 000422572.1		DSCRFRVSAFFQRELPGAVIRRIETIRIPTFEELKLPVLLQNLAIARGLVLVVVGATGSGKSTTMAAMTGYRNQHRITGHIL	154
NTDB id 993044 AAHF05 RS18695 WP 129323754.1		GGQRLRGSFAFKQMKGVSVTLRLLPRSCPQLFSLCVPRAVPELLTNDNGLTLVTGATGSGKSTTAAAMVDFLNRNTDGHIL	153
NTDB id 1307 DR RS10055 WP 010888596.1		DKARFRVNAFMQRGNVGVMLRLLIPTVVRTIAEMGLPQTVIDIANAPRGLVLTGPTGSGKSTTLAAMIDHINTTKLHIL	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		NVGRFRVNAFHQARGCSAVFRITIPVITPLEQLDAPEIFSKIANYEKGLVLTGPTGSGKSTTAAAMVYNVAHNNKHIL	156
NTDB id 1176 A1552VC RS01160 WP 000350195.1		NVGRFRVNAFHQARGCSAVFRITIPVITPLEQLDAPEIFSKIANYEKGLVLTGPTGSGKSTTAAAMVYNVAHNNKHIL	156
NTDB id 1283 ACE17W RS02630 WP 010947729.1		NLARFRVNAFNQSRGAAAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLTGPTGSGKSTTAAAVIDYINSSRYEHIL	156
NTDB id 1259 GCO85 RS10305 WP 010947729.1		NLARFRVNAFNQSRGAAAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLTGPTGSGKSTTAAAVIDYINSSRYEHIL	156
NTDB id 1202 PSJM300 01600 AFN76400.1		GVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLCMGEVFRKIDTDVPRGLVLTGPTGSGKSTTAAAMDYINNTKYHHIL	156
NTDB id 1194 PAKAF RS01995 WP 003084552.1		GVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLCMGEVFRKIDTDVPRGLVLTGPTGSGKSTTAAAMDYINNTKYHHIL	156
NTDB id 1020 ACIAD RS04210 WP 011182164.1		NLARFRVNVFNQNRGAGAVFRITIPSKVLTLEELGLGKIFRDI CDYPRGLVLTGPTGSGKSTTAAAMDYINNHRYDHIL	156
NTDB id 1060 ABD1 RS04380 WP 000355489.1		NVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGLGQIFKDI CDYPRGLVLTGPTGSGKSTTAAAMDYINENRYDHIL	156
NTDB id 1040 HON27 RS13360 WP 000355489.1		NVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGLGQIFKDI CDYPRGLVLTGPTGSGKSTTAAAMDYINENRYDHIL	156
NTDB id 1081 FDQ49 RS05335 WP 006581387.1		NVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGLGQIFKDI CDYPRGLVLTGPTGSGKSTTAAAMDYINENRYDHIL	156
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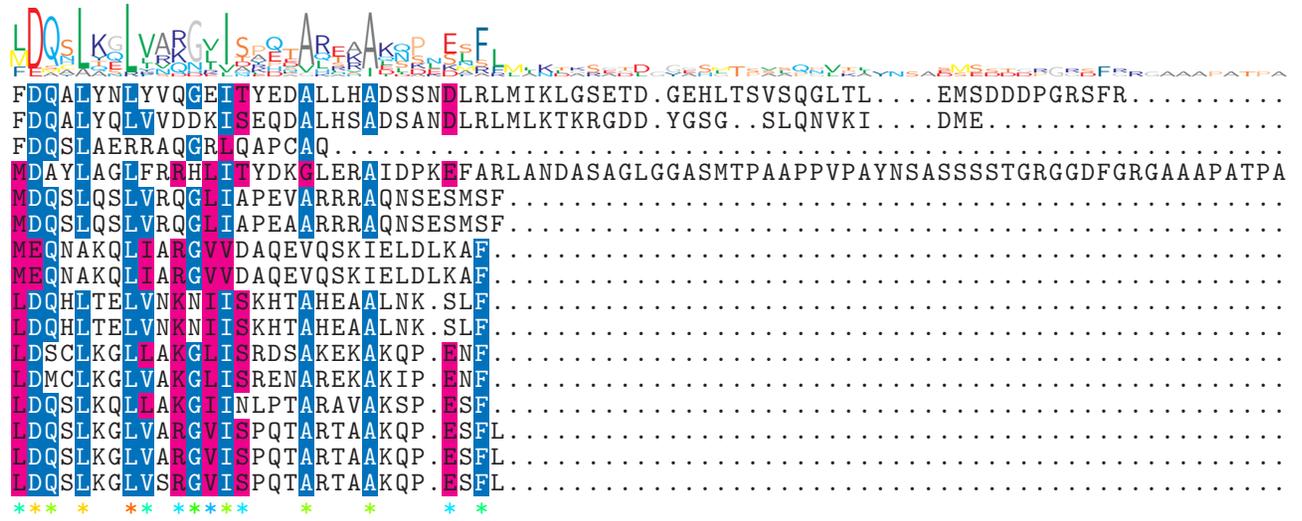


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NTDB id 1203 PSJM300 01605 AFN76401.1	FDQALYNLYVQGEITTYEDALLHADSSN	LRLMIKLGSETD.GEHLTSVSGGLTL....	EMSDDDPGRSFR.....	381
NTDB id 1177 A1552VC RS01165 WP 000422572.1	FDQALYQLVDDDKISEQDALHSA	DSANLRLMLKTKRGDD.YGSG..	SLQNVKI....DME.....	368
NTDB id 993044 AAHF05 RS18695 WP 129323754.1	FDQSLAERRAQQRIQAPCAQ.....			332
NTDB id 1307 DR RS10055 WP 010888596.1	MDAYLAGLFRHLITTYDKCLERA	IDPKIFARLANDASAGLGGASMT	PAAPPVPAYNSASSSSTGRGGDF	400
NTDB id 1086 NMV RS00245 WP 002218487.1	MDQSLQSLVRQGLIAPEVARRRA	QNSEMSF.....		347
NTDB id 1116 NGFG RS10615 WP 003690200.1	MDQSLQSLVRQGLIAPEAARRRA	QNSEMSF.....		347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MEQNAKQLIARGVVD	DAQEVQSKIELDLKAF.....		345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MEQNAKQLIARGVVD	DAQEVQSKIELDLKAF.....		345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	LDQHLTELVNKNIISKHTAHEA	ALNK.SLF.....		344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	LDQHLTELVNKNIISKHTAHEA	ALNK.SLF.....		344
NTDB id 1202 PSJM300 01600 AFN76400.1	LDQSLKGLIAKGLISRDSA	KEKAKQP.ENF.....		344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	LDQSLKGLIAKGLISRDSA	KEKAKQP.ENF.....		344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	LDQSLKQLIAKGLINLPTARA	VAKSP.ESF.....		344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	LDQSLKGLVARGVISPQTART	AAKQP.ESFL.....		345
NTDB id 1040 HON27 RS13360 WP 000355489.1	LDQSLKGLVARGVISPQTART	AAKQP.ESFL.....		345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	LDQSLKGLVARGVISPQTART	AAKQP.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 993044 AAHF05 RS18695 WP 129323754.1	.....	332
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
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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
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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