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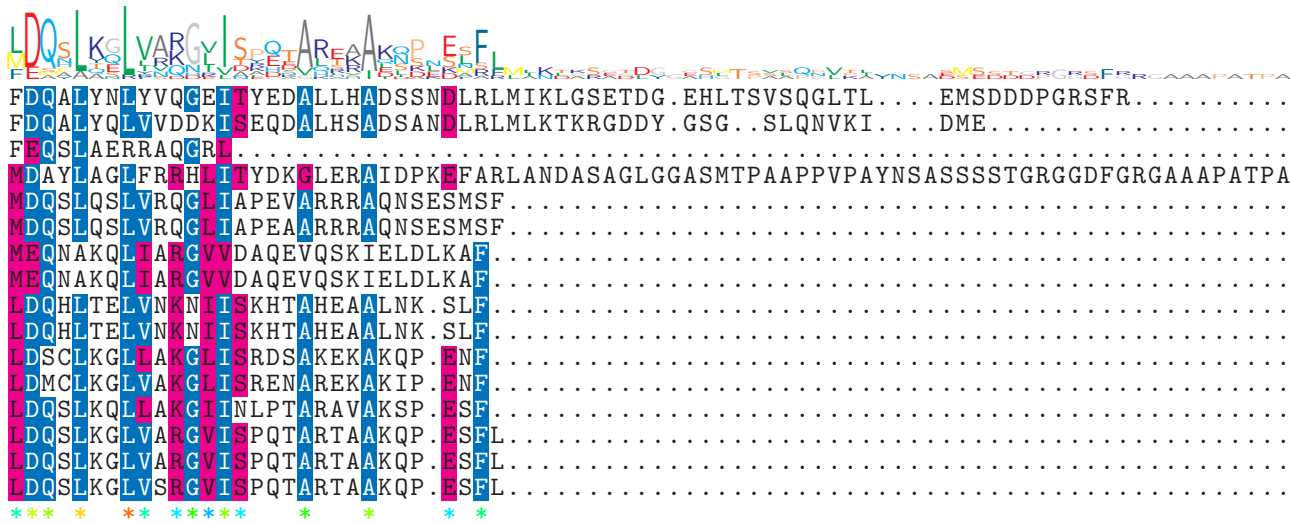
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGCSDLIETACVPPSMKVNCKILPVNKTQMSPEMTRRETWHGVNNEQQRREFTENHHCNFAISAR	76
NTDB id 1177 A1552VC RS01165 WP 000422572.1	....	MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTAALHAMDDARQAEFKQTRERANFAV.VR	74
NTDB id 111128 ACKTT5 RS19035 WP 003860028.1	....	MDVEEIVALSVKHNVSDDLHLCSDSPRRWRRSGRLEPAPFP...PDVEALLKAWLNDEQGGAWWANGVDFAVTLT	73
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGID	ITDILRLAADKGASDITLAACIPPFQKISCDYDAQGFEPISASDTRKLMYSMMNERQQRIEERELDFSFALG	80
NTDB id 1086 NMV RS00245 WP 002218487.1	....	MQITDLLAFGAKNKASDLHLSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
NTDB id 1116 NGFG RS10615 WP 003690200.1	....	MQITDLLAFGAKNKASDLHLSGISTPMIRVHCDMRRINLPESAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	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	....	MDIAELLEFSVKHNKSSDLHLSAGMPPMIRVDGDLRKINLPLEHKDVIKTIYDIMNDRQRKEYEYEFFETDFSFEIA	76
NTDB id 1259 GCO85 RS10305 WP 010947729.1	....	MDIAELLEFSVKHNKSSDLHLSAGMPPMIRVDGDLRKINLPLEHKDVIKTIYDIMNDRQRKEYEYEFFETDFSFEIA	76
NTDB id 1202 PSJM300 01600 AFN76400.1	....	MDITELLAFSAKGGASDLHLSGILPPMIRVDGCVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1194 PAKAF RS01995 WP 003084552.1	....	MDITELLAFSAKGGASDLHLSAGLPPMIRVDGCVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1020 ACIAD RS04210 WP 011182164.1	....	MDITELLAFSVQRASDLHLSAGLPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRDRYEEKLETDFSFEVP	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	....	MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALBHKDVHRLVYDIMNDKQRDRYEEKLETDFSFEVP	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	....	MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALBHKDVHRLVYDIMNDKQRDRYEEKLETDFSFEVP	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALBHKDVHRLVYDIMNDKQRDRYEEKLETDFSFEVP	76
consensus		*****!*****!***** * * * * *****!***** * * * * *****	

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NTDB id 1203 PSJM300 01605 AFN76401.1		GICRFRVSAFYQRNLAGMVLRRRIETINPTIEDLKLDPVLKKLALTKRGLVLFVGAATGKSTSLAAMIGYRNKNSSGHI	156
NTDB id 1177 A1552VC RS01165 WP 000422572.1		DSCRFRVSAFFQRELPGAVIRRIETIRIPTFEELKLPVQLNLAIARGLVLVGATGSGKSTTMAAMTGYRNQHRGTGHIL	154
NTDB id 111128 ACKTT5 RS19035 WP 003860028.1		GGQRLRGSFAFKHMGVSIARLLPLTCPQLSALCVPRAIPELNSNDNGLTLVTGATGSGKSTTLAAMVDFLNHQTDGHIL	153
NTDB id 1307 DR RS10055 WP 010888596.1		DKARFRVNAFMQRGNVGVMLRLLIPTVVRTIAEMGLPQTVIDIANAPRGLVLTGPTGSGKSTTLAAMIDHINTTKLHIL	160
NTDB id 1086 NMV RS00245 WP 002218487.1		NVARFRVNAFNIIGRCPAAVFRITIPSTVLSLEELKAPSIKQIAESPRGMVLVTGPTGSGKSTTLAAMINYNETQPAHIL	156
NTDB id 1116 NGFG RS10615 WP 003690200.1		NVARFRVNAFNTIGRCPAAVFRITIPSTVLSLEELKAPSIKQIAESPRGMVLVTGPTGSGKSTTLAAMINYNETQPAHIL	156
NTDB id 1185 GTF74 RS11940 WP 000350195.1		NVGRFRVNAFHQARGCSAVFRITIPVITPLEQLDAPEIFSKIANYEKGLVLTGPTGSGKSTTLAAMVYNVAHNNKHIL	156
NTDB id 1176 A1552VC RS01160 WP 000350195.1		NVGRFRVNAFHQARGCSAVFRITIPVITPLEQLDAPEIFSKIANYEKGLVLTGPTGSGKSTTLAAMVYNVAHNNKHIL	156
NTDB id 1283 ACE17W RS02630 WP 010947729.1		NLARFRVNAFNQSRGAAAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLTGPTGSGKSTTLAAMVDYINSSRYEHIL	156
NTDB id 1259 GCO85 RS10305 WP 010947729.1		NLARFRVNAFNQSRGAAAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLTGPTGSGKSTTLAAMVDYINSSRYEHIL	156
NTDB id 1202 PSJM300 01600 AFN76400.1		GVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGMGEVFRKIDTDVPRGLVLTGPTGSGKSTTLAAMVDYINNTKYHHIL	156
NTDB id 1194 PAKAF RS01995 WP 003084552.1		GVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGMGEVFRKIDTDVPRGLVLTGPTGSGKSTTLAAMVDYINNTKYHHIL	156
NTDB id 1020 ACIAD RS04210 WP 011182164.1		NLARFRVNVFNQNRGAGAVFRITIPSKVLTLEELGLGKIFRDI CDYPRGLVLTGPTGSGKSTTLAAMVDYINNHRYDHIL	156
NTDB id 1060 ABD1 RS04380 WP 000355489.1		NVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGLGQIFKDI CDYPRGLVLTGPTGSGKSTTLAAMVDYINENRYDHIL	156
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1		NVARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGLGQIFKDI CDYPRGLVLTGPTGSGKSTTLAAMVDYINENRYDHIL	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	FDQALYQLVDDDKISEQDALHSAADSANHLRLMLKTKRGDDY.GSG..SLQNVKI....DME.....	368
NTDB id 111128 ACKTT5 RS19035 WP 003860028.1	FEQSLAERRAQQRI.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	MDAYLAGLFRHLITTYDKGLERAIDPKH FARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATPA	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	LDQHLTELNVKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	LDQHLTELNVKNIISKHTAHEAALNK.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	LDQSLKGLIAKGLINLPTARAVAKSP.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	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 111128 ACKTT5 RS19035 WP 003860028.1	.....	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
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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
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