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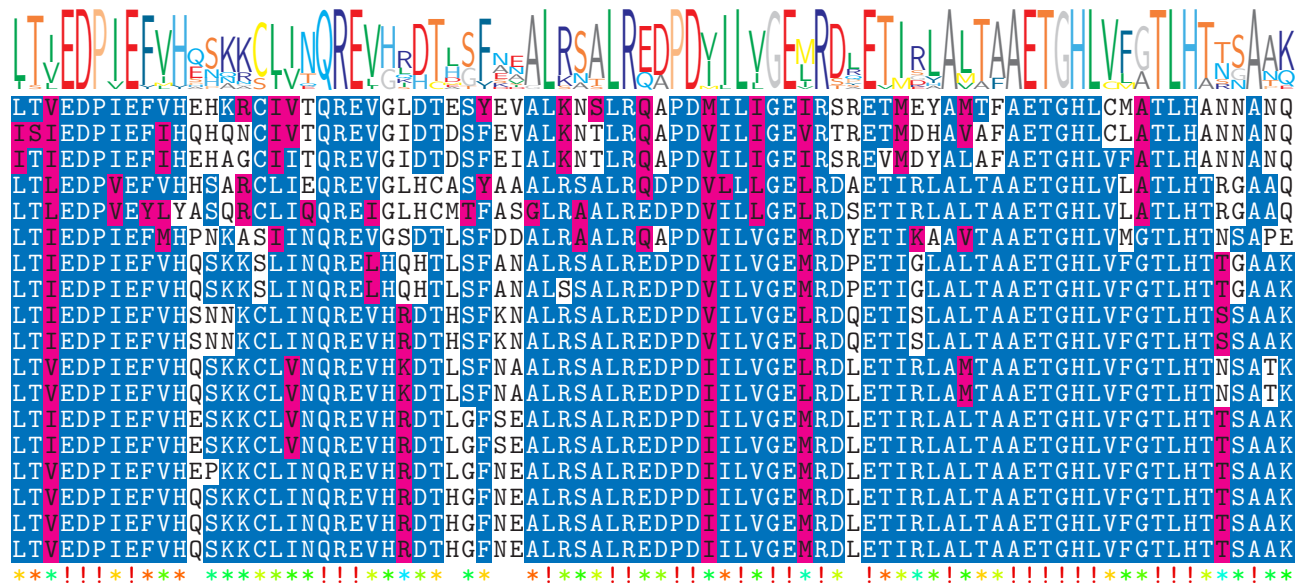
NTDB id 1177 A1552VC RS01165 WP 000422572.1	MEINQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEAL.SVADVTALLHAMDDARQAEFKQTREANFAVVRD	75
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTTPMSPEMTRETVHGVMMNEQQRREFTENHECNFAISAR	76
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLGDGMTIAQLIDSITTQKQRQEFIEIETHECNFAILNR	76
NTDB id 28257 ENTCL RS04035 WP 013364832.1	MDMQEIVSLSVKHNVSDDLHLCSQMQRWRREGRLIPA...PFPSDPLMLLDGWLNAAQQRQWRQREDRQVDFAVDAG	73
NTDB id 1448 BW25113 RS15320 WP 001326494.1	MNMEEIVALSVKHNVSDDLHLCSAWPARWRIRGRMEAA...PFDTPDVEELLREWLDQDRAILLENGQLDFAVSLA	73
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDIILAAAGLPPQFKLSGDIYDAQGFEPISASDTRKLMYSMMNERQQRIIFEKKRELDDFSFAIG	80
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRINLPPEMSAEVGNMVTSMVNDHQKRIYQQNLEVDDFSFLP	76
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRINLPPEMSAEVGNMVTSMVNDHQKRIYQQNLEVDDFSFLP	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDGEVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEEKLEVDDFSFLP	76
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDGEVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEEKLEVDDFSFLP	76
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA	76
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA	76
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1194 PA0395 NP 249086.1	MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
NTDB id 1020 ACIAD RS04210 WP 011182164.1	MDITELLAFSVQNRASDLHLSSAGIPPMIRVDGEVRRINLPAMDHSVHNLIYDIMNDKQRRDYEEKLETDFSFEVP	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNASDLHLSSAGMPPMIRVDGEVRRINLPALPHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNASDLHLSSAGMPPMIRVDGEVRRINLPALPHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNASDLHLSSAGMPPMIRVDGEVRRINLPALPHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP	76
consensus	*** ***** *!*****!***** **** ** ********** ***** *!*****	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRRTGHI	153
NTDB id 1203 PSJM300 01605 AFN76401.1	G.IGRFRVSAFYQRNLAGMVLRRRIETNIPTIEDLKLDPVLKKLALTKRGLVLVVGATGTGKSTSLAAMIGYRNKNSSGHI	155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGITIFSGATGTGKSTSLASMIQHRNQHSKGHI	156
NTDB id 28257 ENTCL RS04035 WP 013364832.1	G.GQRLRGNASVHCRGVSVVLRLLLPVSCPQLSTLGAPAAIPSLDLAESGIILVTGATGSGKSTTLAAMVDSLNNQQRDGI	152
NTDB id 1448 BW25113 RS15320 WP 001326494.1	E.NQRLRGSAFAQRHGISLALRLLP SHCPQLEQLGAPTIVLPPELLKSENGLILVTGATGSGKSTTLAAMVGYLNQHADAHI	152
NTDB id 1307 DR RS10055 WP 010888596.1	D.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHI	159
NTDB id 1086 NMV RS00245 WP 002218487.1	N.VARFRVNAFNIIGRGAFAVFRITIPSTVLSLEELKAPSIQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI	155
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.VARFRVNAFNTIGRGAFAVFRITIPSTVLSLEELKAPSIQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI	155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.VGRFRVNAFHQAARGCSAVFRITIPSTVPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.VGRFRVNAFHQAARGCSAVFRITIPSTVPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N.LARFRVNAFNQSRGAFAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAVIDYINSSRYEHI	155
NTDB id 1259 GC085 RS10305 WP 010947729.1	N.LARFRVNAFNQSRGAFAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAVIDYINSSRYEHI	155
NTDB id 1202 PSJM300 01600 AFN76400.1	G.VARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGMGEVFRKITDVPRLVLVTGPTGSGKSTTLAAML DYLNNTKYHHI	155
NTDB id 1194 PA0395 NP 249086.1	G.VARFRVNAFNQNRGAGAVFRITIPSKVLTMEDLGMGEVFRKITDVPRLVLVTGPTGSGKSTTLAAML DYLNNTKYHHI	155
NTDB id 1020 ACIAD RS04210 WP 011182164.1	N.LARFRVNVFNQNRGAGAVFRITIPSKVLTLEELGLGKIFRDI CDYPRGLVLVTGPTGSGKSTTLAAMDYINNHRDYHI	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.VARFRVNAFNQNRGAGAVFRITIPSKVLTLEELGLGQIFKDI CDYPRGIVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
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consensus	* **!*!***** ** *****!***** ********** **** ** *!*****!*****!*****!*****! *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 28257 ENTCL RS04035 WP 013364832.1
NTDB id 1448 BW25113 RS15320 WP 001326494.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus



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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSandLRLMLKTKR.GDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGs.ETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
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NTDB id 28257 ENTCL RS04035 WP 013364832.1	TYAQSHQQRIAEGKM.....	326
NTDB id 1448 BW25113 RS15320 WP 001326494.1	TFQQSYQHRVGEGR.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PA0395 NP 249086.1	TLDMCLKGLVAKGLISRENAREKAKIP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIIINLPTARAVAKSP.ESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAGRSEPGRAGGFGRR	368
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NTDB id 1019 ACIAD RS04205 WP 004922051.1		383
NTDB id 28257 ENTCL RS04035 WP 013364832.1		326
NTDB id 1448 BW25113 RS15320 WP 001326494.1		326
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NTDB id 1194 PA0395 NP 249086.1		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		

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved