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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 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
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NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HQN27 RS13360 WP 000355489.1
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Sequence	Position 12
MEINCYLDGMTHKASDLYITVCGAPILYRVDGELRAQGEAL.SVADVTLAHAMMDARQAETKQTREANFAVVRD	73
MEFEKILRLMVEKGGSDLFITAGVPPSMKVNGKILPINKTPMSPEMTRETIVHGVMNEQQRREFTENHECNFAISAR	76
MDFNDLNLMAKHKASDLFITAGVEPSLKINGEITTPVSKTKLDGDMIAQLIDSITTTQKQRQFEIETHECNFAILNR	76
MTSGIDITDILRLADKGSADIILAGLPPQFKLSGDYDAQGFEP.LASDTRKLMYSMMNRRQQRIFEKRELDDFSFAIG	80
MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRRINLPPEMSAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMMRRINLPPEMSAEVGNMVTSMNDHQRKIYQQNLEVDFSFELP	76
MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDGVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEKKLEVDFSFELP	76
MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDGVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEKKLEVDFSFELP	76
MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA	76
MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA	76
MDIAELLAFSVKNKASDLHLSSAGLPPMIRVDGVRRINLPALDHKQVHALIYDIMNDKQRDYEEFFLEVDFSFEIP	76
MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
MDITELLAFSAKQGASDLHLSSAGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP	76
MDITELLAFSVQNRASDLHLSSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRDDYEKKLETDFSFEVP	76
MDITELLAFSVKNGASDLHLSSAGMPPMIRVDGEVRRINLPALHKDVHRLVYDIMNDKQRDDYEKKLETDFSFEVP	76
MDITELLAFSVKNGASDLHLSSAGMPPMIRVDGEVRRINLPALHKDVHRLVYDIMNDKQRDDYEKKLETDFSFEVP	76

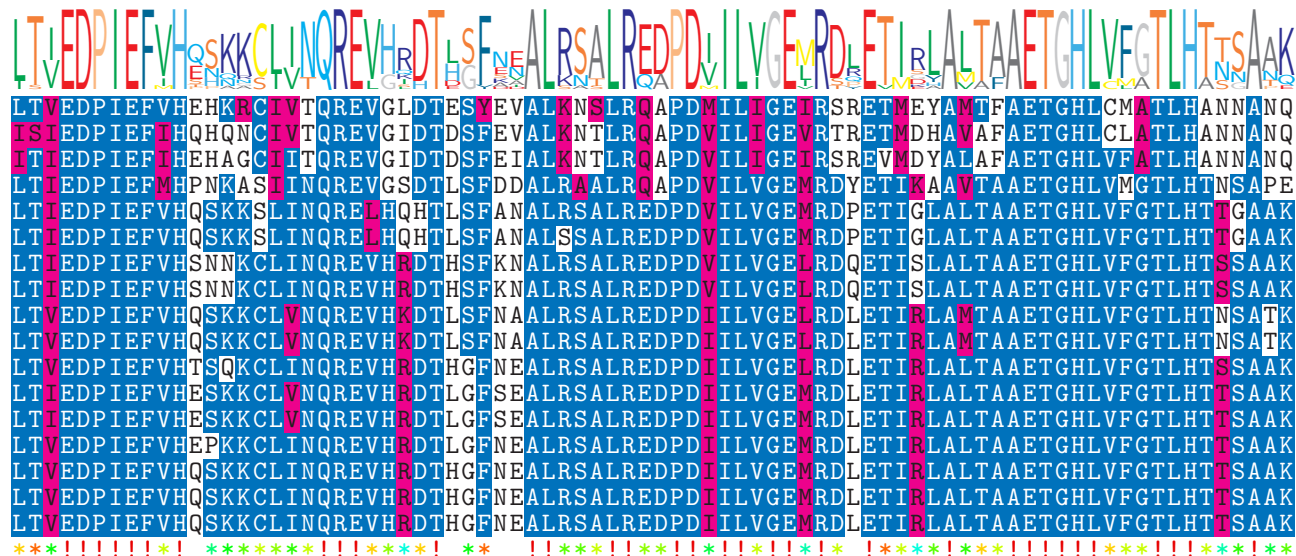


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Position	Sequence	Conservation (bits)
153	...SGRFRVSAFFQRELPGAVIRRTETRIPTFEELKLPVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHI	0.18
155	G...TCRFRVSFAFYQRNLACMVLRRITETINPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI	0.18
156	EKNERFRVSAFQQRDMPGMVIIRRIETIKIPSPDDLHLPLLELAKMSKRGITIFSGATGTGKSTSLASMIQHRNQHSKGI	0.18
159	D...KARFRVNAFMQRGNVCGVMRLIPTITVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMDIHNTTKLHI	0.18
155	N...VARFRVNAFNIQGRGPAAVFRTIPSTVLSLEELKAPSIQFKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI	0.18
155	N...VARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIQFKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI	0.18
155	N...VGRFRVNAFHQARGCSAVFRTIPTVPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI	0.18
155	N...VGRFRVNAFHQARGCSAVFRTIPTVPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI	0.18
155	N...LARFRVNAFNIQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI	0.18
155	N...LARFRVNAFNIQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI	0.18
155	S...LARFRVNAFNIQNRGAGAVFRTIPSEVLTLIEDLGCPIIFRQLIDQPGQLILVTGPTGSGKSTTLACMIDYINKNEYGHI	0.18
155	G...VARFRVNAFNIQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKLTIDVPRGLVLVTGPTGSGKSTTLAAMDYLNNTKYHHI	0.18
155	G...VARFRVNAFNIQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKLTIDVPRGLVLVTGPTGSGKSTTLAAMDYLNNTKYHHI	0.18
155	N...LARFRVNVFNQNRGAGAVFRTIPSKVLTLEELGLGKIFRDIQCDYPRGLVLVTGPTGSGKSTTLAAMDYINNHRDYHI	0.18
155	N...VARFRVNAFNIQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDIQCDYPRGITVLVTGPTGSGKSTTLAAMDYINENRYDHI	0.18
155	N...VARFRVNAFNIQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDIQCDYPRGITVLVTGPTGSGKSTTLAAMDYINENRYDHI	0.18
155	N...VARFRVNAFNIQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDIQCDYPRGITVLVTGPTGSGKSTTLAAMDYINENRYDHI	0.18

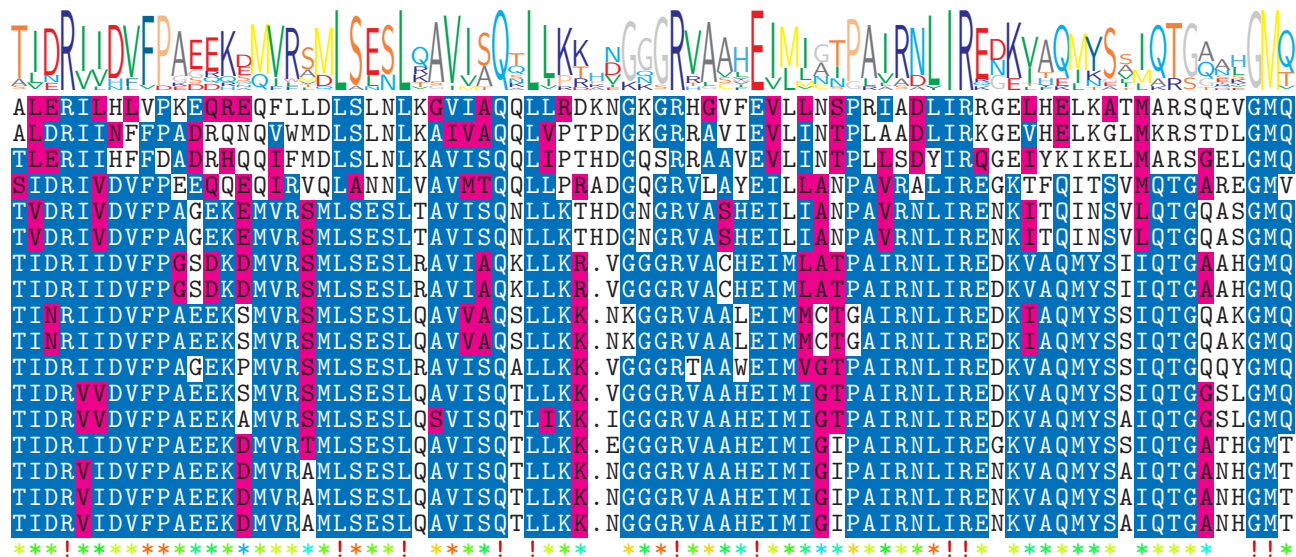
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consensus



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```

consensus



logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKDI	SEQDALHSA	DSANDLRLMLKTKRGDDY...	GSGLQNVKI.....	DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEI	TYEDALLHADSS	NDLRLMIKLGSETDGEHLTSVS.	QGLTL.....	EMSDDDPGRSFR.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHI	SYADALKHADSP	NNLRLQIKLSEEANKPLDNRERMSEMER.....	KMTFDGQRRNLK.....		383
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFR	RHLITYDKGLERAI	.DPKE..	FARLANDASAGL.GGASMT	PAAPPVPAYNSASSSSTGRGGDFGRGAAA	395
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLI	AEVARRRAQNSESM..	SF.....			347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLI	AEAAARRRAQNSESM..	SF.....			347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGV	VDAQEVQSKI	ELDLKA..	F.....		345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGV	VDAQEVQSKI	ELDLKA..	F.....		345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTEL	VNKNIISKHTA	HEAAL.NKSL..	F.....		344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTEL	VNKNIISKHTA	HEAAL.NKSL..	F.....		344
NTDB id 196489 BHE84 RS16470 WP 003489919.1	TLDQHLQDLVKR	SLITRNQAREYAK	.DKRI..	FE.....		345
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLLAK	GLISRDSAKEKAK	.QPEN..	F.....		344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDMLKGLVAK	GLISRENAREKAK	.IPEN..	F.....		344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGI	IINLPTARAVAK	.SPES..	F.....		344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRG	VISPQTARTAAK	.QPES..	FL.....		345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARG	VISPQTARTAAK	.QPES..	FL.....		345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARG	VISPQTARTAAK	.QPES..	FL.....		345
consensus	!*** *	!* *****	*	*	*	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	PATPAAPAAACRSEPC	RACGFCRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1			381
NTDB id 1019 ACIAD RS04205 WP 004922051.1			383
NTDB id 1307 DR RS10055 WP 010888596.1	PATPAAPAAAGRSEP	GRAGGFGR	418
NTDB id 1086 NMV RS00245 WP 002218487.1			347
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NTDB id 1040 HON27 RS13360 WP 000355489.1			345
consensus			

- non conserved
- similar
- ≥ 50% conserved