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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 27773 FTW RS00815 WP 003019818.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17R RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
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	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
... MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGE	AL	SVADVTAL	LHAMMDARQA	EFKQ	TR	EANF	AVVR																					
... MEFEKLLRLMVEKGCSDLFITAGVPPSMKVNGKILPVNK	TP	MSPEMTRET	VHGMNEQ	QRREFT	EN	HECN	FAISA																					
... MDFNDLLNLMAHKASDLFITAGVEPSLKINGEITPVSK	TK	LDGDM	IAQLIDS	ITTTQ	KQRQ	EF	ETHECN	FAILN																				
MTSGIDITDILRLAADKGASDII LAAGLPQFKLSG DYDAQF	EPL	SA	DRKL	MYSM	NNR	QR	IFEEKR	LD	FSFAL																			
... MIRKLLTLCVQKKASDLHLSSGCKAKYRIDGDLID	TESS	SV	NDKM	ISQ	LE	IMTD	DDQ	DEL	ITYEC	DFS	IDD																	
... MQITDLLAFGAKNKAASDLHLSSGISPMIRVHGD	MRRINL	PEMSA	EEVGN	MVTS	VMND	HQR	KIY	QQN	LEV	DFS	FEL																	
... MQITDLLAFGAKNKAASDLHLSSGISPMIRVHGD	MRRINL	PEMSA	EEVGN	MVTS	VMND	HQR	KIY	QQN	LEV	DFS	FEL																	
... MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDG	EVRLGV	PAFT	HS	DVHRL	LIFE	IMND	AQR	SEYEEK	LEV	DFS	FEL																	
... MDIAELLEFSVKHNASDLHLSSAGVPPMVRIDG	EVRLGV	PAFT	HS	DVHRL	LIFE	IMND	AQR	SEYEEK	LEV	DFS	FEL																	
... MDIAELLAFSVKNKSSDLHISAGMPPMIRVDG	DLRKINL	P	LEHKD	V	I	K	I	I	Y	D	I	M	N	D	K	R	K	E	Y	E	E	F	F	E	T	D	F	S
... MDIAELLAFSVKNKSSDLHISAGMPPMIRVDG	DLRKINL	P	LEHKD	V	I	K	I	I	Y	D	I	M	N	D	K	R	K	E	Y	E	E	F	F	E	T	D	F	S
... MDITELLAFSAKQGSASDLHLSSGLPPMIRVDG	DVRRINL	P	A	M	D	H	K	Q	V	H	A	L	I	Y	D	I	M	N	D	K	R	K	D	F	E	E	F	L
... MDITELLAFSAKQGSASDLHLSSGLPPMIRVDG	DVRRINL	P	A	M	D	H	K	Q	V	H	A	L	I	Y	D	I	M	N	D	K	R	K	D	F	E	E	F	L
... MDITELLAFSVQNRASDLHLSSAGIPPMIRVDG	EVRRINL	P	A	M	D	H	S	E	V	H	N	L	I	Y	D	I	M	N	D	K	Q	R	D	Y	E	E	K	
... MDITELLAFSVKNGASDLHLSSAGMPPMIRVDG	EVRRINL	P	A	L	E	H	K	D	V	H	R	L	V	Y	D	I	M	N	D	K	Q	R	D	Y	E	E	K	
... MDITELLAFSVKNGASDLHLSSAGMPPMIRVDG	EVRRINL	P	A	L	E	H	K	D	V	H	R	L	V	Y	D	I	M	N	D	K	Q	R	D	Y	E	E	K	
... MDITELLAFSVKNGASDLHLSSAGMPPMIRVDG	EVRRINL	P	A	L	E	H	K	D	V	H	R	L	V	Y	D	I	M	N	D	K	Q	R	D	Y	E	E	K	



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NTDB id 1081 FDQ49 RS05335 WP 006581387.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HQN27 RS13360 WP 000355489.1

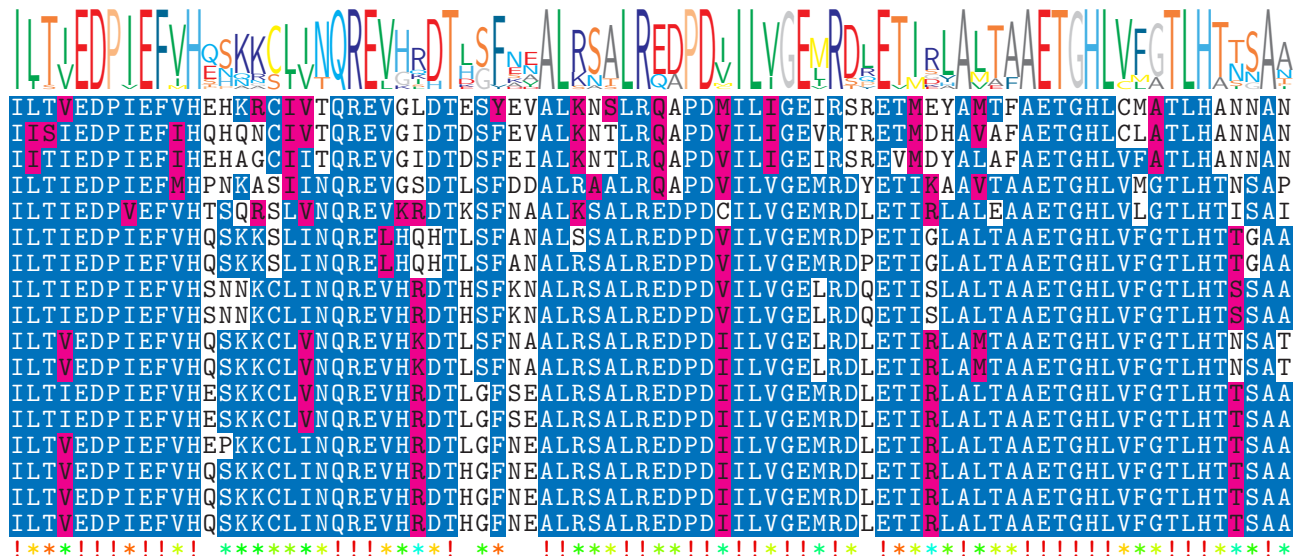
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Sequence	Score
D..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGH	152
RG.IGRFRVSAFYQRNLAGMVLRRRIETINIPTIEDLKLPDVLKLLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGH	154
REKNERFRVSAFQQQRDMPGMVIRRIETIKIPSPDDLHLPPTILKELAMSKRGITIFSGATGTGKSTSLASMIQHRNHQSKGH	155
.GDKARFRVNAFMQRGNVGVMLRIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMDIHNTTKLKLH	158
RDNDARFRVNAFFHNRGYGAFFRLRENTIPTLDQFGAPRLTIKEVQAKKGGLILVTGPTGSGKSTTLAALVNEINHKKDGH	155
.PNVARFRVNAFNTRGRPAAVFRTIPSTVLSLEELKAPSIQFKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAH	154
.PNVARFRVNAFNIGRPAAVFRTIPSTVLSLEELKAPSIQFKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAH	154
.PNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKH	154
.PNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKH	154
.ANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH	154
.ANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH	154
.PGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVP RGLVLVTGPTGSGKSTTLAAMDYINNTKYHH	154
.PGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFRKVS DVP RGLVLVTGPTGSGKSTTLAAMDYINNTKYHH	154
.PNLARFRVNVFNQNRGAGAVFRTIPSKVLTLEELGLGKIFRDI CDYP RGLVLVTGPTGSGKSTTLAAMDYINNHRYPH	154
.PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDI CDYP RGLVLVTGPTGSGKSTTLAAMDYINENRYPH	154
.PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDI CDYP RGLVLVTGPTGSGKSTTLAAMDYINENRYPH	154

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consensus

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NTDB id 1177 A1552VC RS01165 WP 000422572.1
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consensus

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logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	QTFDQALYQLVVDKISEQDALHSADSLRLMLKTK.RGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	QTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLG.SETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR...	381
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NTDB id 27773 FTW RS00815 WP 003019818.1	ATIEQSTIENLLKAGTITPEEAACYIVVR.....	342
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NTDB id 1185 GTF74 RS11940 WP 000350195.1	QTMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
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NTDB id 1202 PSJM300 01600 AFN76400.1	QTLDDSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
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NTDB id 1020 ACIAD RS04210 WP 011182164.1	TTLDDQLKQLLAKGIINLPTARAVAKSP.ESF.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TTLDDQLKGLVSRGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TTLDDQLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TTLDDQLKGLVARGVISPQTARTAAKQP.ESFL.....	345
consensus	*!*** * !* ***** * *	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1		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	AAPATPAAPAAGRSEPGRAGGFGR	418
NTDB id 27773 FTW RS00815 WP 003019818.1		342
NTDB id 1116 NGFG RS10615 WP 003690200.1		347
NTDB id 1086 NMV RS00245 WP 002218487.1		347
NTDB id 1185 GTF74 RS11940 WP 000350195.1		345
NTDB id 1176 A1552VC RS01160 WP 000350195.1		345
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NTDB id 1060 ABD1 RS04380 WP 000355489.1		345
NTDB id 1040 HON27 RS13360 WP 000355489.1		345
consensus		

- non conserved
- similar
- ≥ 50% conserved