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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 378057 FRZ06 RS06695 WP 419824132.1
NTDB id 1307 DR RS10055 WP 010888596.1
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NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
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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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	MDIT	EL	AFSV	KNK	ASDL	HL	SAG	PP	MM	VR	DG	EV	RR	IN	LP	AL	EH	KD	VH	RL	LY	VD	IM	ND	KQ	RR	DY	EEL	ET	DFS	FE	V	P																																												
MTSGI	Y	E	F	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F																																											
...	M	E	L	N	Q	Y	L	D	G	M	L	T	H	K	A	S	D	L	I	T	T	V	G	A	P	I	L	Y	R	V	D	G	E	L	R	A	Q	G	E	A	L	.	S	V	A	D	V	T	A	L	.	L	H	A	M	M	D	A	R	Q	A	E	F	K	Q	T	R	E	A	N	F	A	V	V	R	D	75
...	M	E	F	E	K	L	L	R	L	M	V	E	K	G	S	D	L	F	I	T	A	G	V	P	P	S	M	K	V	N	G	K	I	L	P	V	N	K	T	P	M	S	P	E	M	T	R	E	T	V	H	G	V	M	N	E	Q	Q	R	R	E	F	T	E	N	H	E	C	N	F	A	I	S	A	R	76	
...	M	D	F	N	D	L	L	N	L	M	A	K	H	K	A	S	D	L	F	I	T	A	G	V	E	P	S	L	K	I	N	G	E	I	T	P	V	S	K	T	L	D	G	M	L	A	Q	L	I	D	S	I	T	T	Q	K	Q	R	Q	E	F	I	E	T	H	E	C	N	F	A	I	L	N	R	76		
...	M	V	R	L	E	L	L	E	A	L	D	R	K	A	S	D	I	H	I	T	A	G	P	P	M	R	I	Y	G	K	L	V	P	Y	G	D	S	L	L	P	E	D	T	S	R	L	K	E	I	V	T	Q	E	Y	Q	E	Q	R	G	E	Y	D	L	S	W	A	R	P	77								
MTSGI	D	I	T	D	I	L	R	L	A	A	D	K	A	S	D	I	L	A	A	G	L	P	P	Q	F	K	L	S	G	D	Y	A	Q	G	F	E	P	L	S	A	S	D	T	R	K	L	M	S	M	N	N	E	R	Q	I	F	E	E	K	R	D	L	S	F	A	I	G	80									
...	M	Q	I	T	D	L	L	A	F	G	A	K	N	K	A	S	D	L	H	L	S	S	G	I	S	P	M	I	R	V	H	G	D	M	R	R	I	N	L	P	E	M	S	A	E	E	V	G	N	M	V	T	S	V	M	N	D	H	Q	R	K	I	Y	Q	N	L	E	V	D	F	S	F	E	L	P	76	
...	M	Q	I	T	D	L	L	A	F	G	A	K	N	K	A	S	D	L	H	L	S	S	G	I	S	P	M	I	R	V	H	G	D	M	R	R	I	N	L	P	E	M	S	A	E	E	V	G	N	M	V	T	S	V	M	N	D	H	Q	R	K	I	Y	Q	N	L	E	V	D	F	S	F	E	L	P	76	
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...	M	D	I	A	E	L	L	E	F	S	V	K	N	K	A	S	D	L	H	L	S	A	G	M	P	P	M	I	R																																																

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Sequence	Position
..SCRFRVSAFFQRELPGAVIRRIETIRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRITGHI	153
G..IGRFRVSAFYQRNLGCMVLRRIETINIPTIEDLKLDPVLKKLALTKRGLVLVFGATGTGKSTSLAAMIGYRNKNSSGHI	155
EKNERFRVSAFQQRDMPGCMVIRRIETIKIPSPDDLHLPILKELAMSKGTITIFSGATGTGKSTSLASMIQHRNQHSKGHI	156
G..VSRFRVNAFRQSGDAIVIRIAFSPVTELEEMLDILKELAKGTGLILVTGPTGSGKSTTLAAMINEINSTREHV	156
D..KARFRVNAFMRQGNVCGVMRLIPTITVTRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMDIHINTTKLHI	159
N..VARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIQKIAESPGRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI	155
N..VARFRVNAFNTIGRGAAPVFRITIPSTVLSLEELKAPSIQKIAESPGRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI	155
N..VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANEYKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI	155
N..VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANEYKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI	155
N..LARFRVNAFNQSRGAAPVFRITIPSEILSMEDLGLPIFKEMASFSRGLVLVTGPTGSGKSTTLAAMVIDYINSSRYEHI	155
N..LARFRVNAFNQSRGAAPVFRITIPSEILSMEDLGLPIFKEMASFSRGLVLVTGPTGSGKSTTLAAMVIDYINSSRYEHI	155
G..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFRKIVSDVPRGLVLVTGPTGSGKSTTLAAMLDYINNTKYHHI	155
G..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFRKITDVPGRGLVLVTGPTGSGKSTTLAAMLDYINNTKYHHI	155
N..LARFRVNVFNQNRGAGAVFRTIPSKVLTLEELGLGKIFRDI CDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDHI	155
N..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGLGKIFKDI CDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI	155
N..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGLGKIFKDI CDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI	155
N..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGLGKIFKDI CDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI	155

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consensus

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consensus

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logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADS.ANDLRLMLK.TKRGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADS.SNDLRLMIK.LGSETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR...	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHISYADALKHADS.PNNLRLQIK.LSEEANKPLDNRRERMSEMER.....KMTFDGQRRNLK...	383
NTDB id 378057 FRZ06 RS06695 WP 419824132.1	SMDMSLAELVKKGLISEDEANLYCVD.KEMLRKFLQNC.....	353
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLLITYDKGLERAID.PKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGA	393
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRAQNSESMF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAARRRAQNSESMF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDMCLKGLVAKGLISRENAREKAKI.PENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLLAKGLISRDSAKEKAKQ.PENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIINLPTARAVAKS.PESF.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	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 378057 FRZ06 RS06695 WP 419824132.1		353
NTDB id 1307 DR RS10055 WP 010888596.1	AAPATPAAPAAGRSEPGRAGGFGRR	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
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NTDB id 1040 HON27 RS13360 WP 000355489.1		345
consensus		

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