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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
NTDB id 1185 GTF74 RS11940 WP 000350195.1
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NTDB id 1283 ACE17W RS02630 WP 010947729.1
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NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 254308 CT218 RS14485 WP 000355489.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1

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Sequence	Position 12
MEINQYLDGMTHKASDLYITVGAPILYRVDGELRAQGEAL.SVADVTALEHAMMDARQAEFKQTR EANFAVVRD	75
MEFEKILRLMVEKGCSDLFITAGVPPSMKVNGKILPWNKTPMSPEMTRETIVHGVMMNEQQRREFTENHECNFAISAR	76
MDFNDDLNLMAHKHASDLFITAGVEPSLKINGEITTPVSKTKLDGDMIAQLIDSITTTQKQRQEFIEHTECNFAILNR	76
MTSGIDITDILRLADKAGASDIILAAGLPQFKLSGDYDAQGFEPLSADTRKLMYSMMNNEQRRIFEFKRELDFSFALP	80
MQITDLLAFGAKNKASDLHLSSGISP MIRVHGD MRRINLPPEMSAEVGNM VTSVMNDHQRKIYQQNLEVD FSFELP	76
MQITDLLAFGAKNKASDLHLSSGISP MIRVHGD MRRINLPPEMSAEVGNM VTSVMNDHQRKIYQQNLEVD FSFELP	76
MDIAELLEFSVKHNASDLHL SAGVPPMVRIDGEVRKLGVP AFTHSDVHRLIFEIMNDAQRSEYE EKLEVD FSFELP	76
MDIAELLEFSVKHNASDLHL SAGVPPMVRIDGEVRKLGVP AFTHSDVHRLIFEIMNDAQRSEYE EKLEVD FSFELP	76
MDIAELLAFSVKNKSSDLH TSAGMPPMIRVDGDLRKINLP PLEHKDVIKIIYD IMNDRQRKEYEEFFETD FSFEIA	76
MDIAELLAFSVKNKSSDLH TSAGMPPMIRVDGDLRKINLP PLEHKDVIKIIYD IMNDRQRKEYEEFFETD FSFEIA	76
MDITELLAFSAKCGASDLHL SGLPPMIRVDG D VRRINLPAMDHKQVHALIYD IMNDKQRKD FEEFFETD FSFEVP	76
MDITELLAFSAKCGASDLHL SAGLPPMIRVDG D VRRINLPAMDHKQVHALIYD IMNDKQRKD FEEFFETD FSFEVP	76
MDITELLAFSVQNRASDLHL SAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYD IMNDKQR RDYE EKLETD FSFEVP	76
MDITELLAFSVKNGASDLHL SAGMPPMIRVDGEVRRINLPAL EHKDVHRLVYD IMNDKQR RDYE EKLETD FSFEVP	76
MDITELLAFSVKNGASDLHL SAGMPPMIRVDGEVRRINLPAL EHKDVHRLVYD IMNDKQR RDYE EKLETD FSFEVP	76
MDITELLAFSVKNGASDLHL SAGMPPMIRVDGEVRRINLPAL EHKDVHRLVYD IMNDKQR RDYE EKLETD FSFEVP	76



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NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1

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N	V	A	R	F	R	V	A	F	N	Q	R	G	A	V	R	T	P	S	Y	L	T	E	D	L	P	I	F	K	K	A	D	P	R	G	L	V	L	T	G	P	T	G	S	G	K	S	T	L	A	M	D	Y	N	T	R	Y	D	H	I	153																				
.	.	S	G	R	F	R	V	S	A	F	F	Q	R	E	L	P	G	A	V	I	R	R	T	E	T	R	I	P	T	F	E	E	L	K	L	P	E	V	L	Q	N	L	A	I	A	K	R	G	L	V	L	V	G	A	T	G	S	G	K	S	T	T	M	A	A	M	T	G	Y	R	N	Q	H	R	T	G	H	I	155	
G	.	I	C	R	F	R	V	S	A	F	Y	Q	R	N	L	A	G	M	V	L	R	R	I	E	T	I	N	I	P	T	I	E	D	L	K	L	P	D	V	L	K	K	A	L	T	K	R	G	L	V	L	F	V	G	A	T	G	T	G	K	S	T	S	L	A	A	M	I	G	Y	R	N	K	N	S	S	G	H	I	156
E	K	N	E	R	F	R	V	S	A	F	Q	R	D	M	P	G	M	V	I	R	R	I	E	T	K	I	P	S	D	D	L	H	L	P	L	K	E	L	A	M	S	K	R	G	I	I	F	S	G	A	T	G	T	G	K	S	T	S	L	A	S	M	I	Q	H	R	N	Q	H	S	K	G	H	I	159					
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N	.	V	A	R	F	R	V	N	A	F	N	Q	R	G	A	V	F	R	T	I	P	S	T	V	L	S	L	E	E	L	K	A	P	S	I	F	Q	K	I	A	E	S	P	R	G	M	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	155				
N	.	V	A	R	F	R	V	N	A	F	N	T	G	R	G	P	A	A	V	F	R	T	I	P	S	T	V	L	S	L	E	E	L	K	A	P	S	I	F	Q	K	I	A	E	S	P	R	G	M	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	155	
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N	.	V	G	R	F	R	V	N	A	F	H	Q	A	R	G	C	S	A	V	F	R	T	I	P	T	V	I	P	T	L	E	Q	L	D	A	P	E	I	F	S	K	I	A	N	Y	E	K	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	V	N	Y	V	N	A	H	N	K	H	I	155		
N	.	L	A	R	F	R	V	N	A	F	N	Q	S	R	G	A	A	V	F	R	T	I	P	S	E	I	L	S	M	E	D	L	G	L	P	I	F	K	E	M	A	S	F	S	R	G	L	V	L	T	G	P	T	G	S	G	K	S	T	T	L	A	A	V	I	D	Y	I	N	S	S	R	Y	E	H	I	155			
N	.	L	A	R	F	R	V	N	A	F	N	Q	S	R	G	A	A	V	F	R	T																																																											

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NTDB id 1177 A1552VC RS01165 WP 000422572.1
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NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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NTDB id 1177 A1552VC RS01165 WP 000422572.1
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NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTK.RGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLG.SETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
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NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAARRRAQNSESMSF.....	347
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NTDB id 254308 CTZ18 RS14485 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
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	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * !* ***** * *	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPGRAGGFGRR	368
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NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1		347
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NTDB id 1040 HON27 RS13360 WP 000355489.1		345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1		345
consensus		

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