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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 1153046 LQ176 RS03905 WP 044700841.1
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
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W 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 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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LTVEDPIEFVH	EHKRCIVTQREVGLD	TESYEVALKNSLR	QAPDMILIGEIR	SRETM	EYAMTFAETGHL	CMATLHANN	ANQ	233				
LTIEDPIEF	THQHQCIVTQREV	GIDTDSFEVAL	KNTLRQAPD	VILIGEVRT	RETM	MDHAVAFAETGHL	CLATLHANN	ANQ	235			
LTIEDPIEF	TEHAGCIITQREV	GIDTDSFEAL	KNTLRQAPD	VILIGEIR	SREVM	DYALAF	FAETGHLV	ATLHANN	ANQ	236		
LTLEDPIE	YRYTSRRCLIQ	REVGAHCSF	SAGLRGALRED	PDVILGELRD	VETIRL	LAMTA	AAETGHLV	LATLH	RGAAQ	232		
LTIEDPIEF	MHPNKASTI	INQREVGSD	TLSFDDALRAL	RLQAPDVILVGE	MRDYE	ETIKAAV	TAAETGHL	VMGTLHT	NSAPE	239		
LTIEDPIEFVH	QSKKSLINQRE	LHQHTLSFANAL	RLSALREDPD	VILVGE	MRDPETIG	LALTA	AAETGHLV	FGLTLHT	TGA	AK	235	
LTIEDPIEFVH	QSKKSLINQRE	LHQHTLSFANAL	SSALREDPD	VILVGE	MRDPETIG	LALTA	AAETGHLV	FGLTLHT	TGA	AK	235	
LTIEDPIEFVH	SNNKCLINQRE	VHRDTHSFKNAL	RLSALREDPD	VILVGE	LRDQETIS	LALTA	AAETGHLV	FGLTLHT	SSA	AK	235	
LTIEDPIEFVH	SNNKCLINQRE	VHRDTHSFKNAL	RLSALREDPD	VILVGE	LRDQETIS	LALTA	AAETGHLV	FGLTLHT	SSA	AK	235	
LTVEDPIEFVH	QSKKCLV	INQREVH	KDTHLSFNAAL	RLSALREDPD	IILVGE	LRDLETIR	LAMTA	AAETGHLV	FGLTLHT	NSAT	K	235
LTVEDPIEFVH	QSKKCLV	INQREVH	KDTHLSFNAAL	RLSALREDPD	IILVGE	LRDLETIR	LAMTA	AAETGHLV	FGLTLHT	NSAT	K	235
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LTVEDPIEFVH	EPKKCLINQRE	VHRDTHLGFNEAL	RLSALREDPD	IILVGE	MRDLETIR	LALTA	AAETGHLV	FGLTLHT	TSA	AK	235	
LTVEDPIEFVH	QSKKCLINQRE	VHRDTHGFNEAL	RLSALREDPD	IILVGE	MRDLETIR	LALTA	AAETGHLV	FGLTLHT	TSA	AK	235	
LTVEDPIEFVH	QSKKCLINQRE	VHRDTHGFNEAL	RLSALREDPD	IILVGE	MRDLETIR	LALTA	AAETGHLV	FGLTLHT	TSA	AK	235	

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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

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TIDRIVDFPAAEEKMVRSMLESQAVISQTLKKNGGGRVAAHEIMCTGAIRNLIREDKVAQMYSIIQTGAHGMQ																																																																																																				
ALERI	HL	VPKE	QRE	QFL	LD	LS	LN	KGV	IA	QQL	IRD	KNG	KGR	HCV	FV	EL	INS	PR	IA	DL	IR	GE	HE	LK	AT	MARS	QEV	GMQ	313																																																																							
AL	DR	IN	FF	PA	DR	QN	QV	WM	DL	SL	LN	KA	IV	AQ	QL	VP	TP	DK	GKR	RA	VI	EL	IN	TP	LA	AD	LI	RK	GE	VE	HE	LK	GL	MK	RS	TD	L	GMQ	315																																																													
TL	ER	II	HF	FD	AR	HQ	IF	MD	LS	LN	KAV	IS	Q	L	IP	TH	DG	QS	RR	AA	VE	LV	IN	TP	LS	SD	YI	R	GE	IY	KI	KE	LM	MARS	GEL	GMQ	316																																																															
AI	AR	LV	DS	FA	ATE	K	Q	VP	RN	QL	AD	SL	RA	VS	Q	LE	E	K	GG	R	VA	F	EL	LV	NP	AV	GN	LI	RE	GT	HL	PG	VI	QT	GG	QT	GMQ	311																																																														
SD	IR	IV	DF	VP	EE	Q	Q	EQ	IR	VQ	L	ANN	LV	AM	TQ	QL	LP	AD	GG	GR	VL	AY	ET	LL	AN	PA	VR	AL	IR	EG	KT	FO	IT	SV	MT	GA	REG	GMV	319																																																													
TV	DR	IV	DF	VP	A	GE	K	EM	VR	S	M	L	S	ES	L	T	A	V	I	S	Q	N	L	L	K	T	H	D	G	N	G	R	V	A	S	H	E	I	L	I	A	N	P	A	V	R	N	L	I	R	E	N	K	I	T	Q	I	N	S	V	L	Q	T	G	Q	A	S	G	M	Q	315																													
TV	DR	IV	DF	VP	A	GE	K	EM	VR	S	M	L	S	ES	L	T	A	V	I	S	Q	N	L	L	K	T	H	D	G	N	G	R	V	A	S	H	E	I	L	I	A	N	P	A	V	R	N	L	I	R	E	N	K	I	T	Q	I	N	S	V	L	Q	T	G	Q	A	S	G	M	Q	315																													
TIDR	I	D	V	F	P	C	S	D	K	D	M	V	R	S	M	L	S	E	S	L	R	A	V	I	A	Q	L	L	K	R		V	G	G	G	R	V	A	C	H	E	I	M	L	A	T	P	A	I	R	N	L	I	R	E	D	K	V	A	Q	M	Y	S	I	I	Q	T	G	A	A	H	G	M	Q	314																									
TIDR	I	D	V	F	P	C	S	D	K	D	M	V	R	S	M	L	S	E	S	L	R	A	V	I	A	Q	L	L	K	R		V	G	G	G	R	V	A	C	H	E	I	M	L	A	T	P	A	I	R	N	L	I	R	E	D	K	V	A	Q	M	Y	S	I	I	Q	T	G	A	A	H	G	M	Q	314																									
TIN	R	I	D	V	F	P	A	E	E	K	S	M	V	R	S	M	L	S	E	S	L	Q	A	V	A	S	L	L	K		N	K	G	G	R	V	A	A	E	I	M	C	T	G	A	I	R	N	L	I	R	E	D	K	I	A	Q	M	Y	S	I	I	Q	T	G	Q	A	K	M	Q	314																													
TIN	R	I	D	V	F	P	A	E	E	K	S	M	V	R	S	M	L	S	E	S	L	Q	A	V	A	S	L	L	K		N	K	G	G	R	V	A	A	E	I	M	C	T	G	A	I	R	N	L	I	R	E	D	K	I	A	Q	M	Y	S	I	I	Q	T	G	Q	A	K	M	Q	314																													
TIDR	V	V	D	V	F	P	A	E	E	K	S	M	V	R	S	M	L	S	E	S	L	Q	A	V	I	S	T	L	L	K		V	G	G	G	R	V	A	A	E	I	M	I	G	T	P	A	I	R	N	L	I	R	E	D	K	V	A	Q	M	Y	S	I	I	Q	T	G	G	S	L	G	M	Q	314																										
TIDR	V	V	D	V	F	P	A	E	E	K	A	M	V	R	S	M	L	S	E	S	L	Q																																																																														

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVDDDKISEQDALHSADSANDLRLMLKTKR.GDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSE.TDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
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NTDB id 1153046 LQ176 RS03905 WP 044700841.1	TFAQSLQQRQAQCRL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG.....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQCLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQCLIAPEAARRRAQNSESMSF.....	347
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NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNTISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	TLDQHLTELVNKNTISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDQSLKGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDQSLKGLIAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKGLIAKGLINLPTARAVAKSP.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	!*** * * * **** * *	

logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPGRAGGFORR	368
NTDB id 1203 PSJM300 01605 AFN76401.1		381
NTDB id 1019 ACIAD RS04205 WP 004922051.1		383
NTDB id 1153046 LQ176 RS03905 WP 044700841.1		326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPGRAGGFORR	418
NTDB id 1086 NMV RS00245 WP 002218487.1		347
NTDB id 1116 NGFG RS10615 WP 003690200.1		347
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NTDB id 1176 A1552VC RS01160 WP 000350195.1		345
NTDB id 1283 ACE17W RS02630 WP 010947729.1		344
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NTDB id 1202 PSJM300 01600 AFN76400.1		344
NTDB id 1194 PAKAF RS01995 WP 003084552.1		344
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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