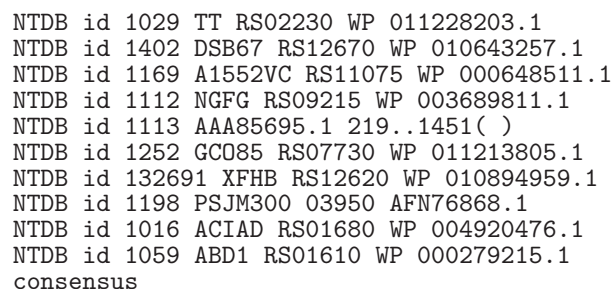


NTDB id 1029	TT RS02230 WP 011228203.1	MPVYQYKARDRQGRLVEATIEAEDLRTAARLLRDRGLFVAEIKPEPKGLQA EVRIPALERGPGLK	65
NTDB id 1402	DSB67 RS12670 WP 010643257.1	.MKT.....IAPQLKNYRWKGINS SGKK.TSGNVLAMTEIEVRERLDAQHIKIKKLKKSISFI....TKISHRVK GK	67
NTDB id 1169	A1552VC RS11075 WP 000648511.1	MKAT.....QTLP LKNYRWKGINSNGKK.VSGQMLAISEIEVRDKLKDQHIIQIKKLKKS SVSLL....ARLTRHV KSK	68
NTDB id 1112	NGFG RS09215 WP 003689811.1	.MAKNGGFSLF AKKEKR FIFEGRH SASDKLVN GEVS AFTEE ARKKLA KRGI RPLQ ITRVK.....TSSK RKITQE	70
NTDB id 1113	AAA85695.1 219..1451()	.MAKNGGFSLF AKKEKR FIFEGRH SASDKLVN GEVS AFTEE ARKKLA KRGI RPLQ ITRVK.....TSSK RKITQE	70
NTDB id 1252	GCO85 RS07730 WP 011213805.1	.MDK.....NSPPLLTFHYQGINKAGQK.MEGDIQARSLATAKADLRKQGIVTNKV VKKRKPLFD....RKNKKITQA	67
NTDB id 132691	XFHB RS12620 WP 010894959.1	MTSFLWEGT DKRGVK.IKGEQTARTANLLRAELRRQGITPLVVKPRPKPLF....GQAGKRITPK	60
NTDB id 1198	PSJM300 03950 AFN76868.1	.MAQ.....KA IKNSVF TW EGLDRQGAK.IKGELS GVPALVKAQLRKQGIN PQK VRKKSISLFS....AGKKIKPM	66
NTDB id 1016	ACIAD RS01680 WP 004920476.1	MAAK.....KTQVM PVFAYEGV DRKG I.KLGELPARNMALAKVT LRKQG ITIRTIREKRKNIFE...GLLKKKV KPL	69
NTDB id 1059	ABD1 RS01610 WP 000279215.1	MAVK.....KAQM MPTFAYEGV DRKG VK.IKGELPAKNMALAKVT LRKQGVTVRNIREKRKNILE...GLFKKKV TTL	69
consensus		**** * * ***** * * **** * *	

NTDB	id	1029	TT	RS02230	WP	011228203.1	DLAIFSRQLATM	L	GAGLT	LLQALA	I	LERQTE	N	RKFR	E	ILKQ	V	R	T	D	V	E	G	G	M	A	F	S	E	A	L	S	K	H	K	.	I	F	S	R	L	V	N	L	V	R	A	G	E	T	S	G	G	L	144																																	
NTDB	id	1402	DSB67	RS12670	WP	010643257.1	D	I	T	I	F	T	R	Q	I	A	T	M	I	M	T	G	V	P	I	V	Q	A	L	K	L	V	S	E	N	H	K	K	A	E	M	K	S	I	L	M	S	V	T	R	A	V	E	A	G	T	P	M	S	K	A	M	R	T	A	S	T	H	F	D	P	L	Y	T	D	L	I	A	T	A	G	E	Q	S	G	N	L	147
NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	D	I	T	I	L	T	R	Q	L	A	T	M	L	T	T	G	V	P	I	V	Q	A	L	K	L	V	G	D	N	H	R	K	A	E	M	K	S	I	L	A	Q	I	T	K	S	V	E	A	G	T	P	L	S	K	A	M	R	T	A	S	A	H	F	D	T	L	Y	V	D	L	V	E	T	G	E	M	S	G	N	L	148	
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	D	I	T	V	T	R	Q	L	S	T	M	I	K	A	G	L	P	M	Q	A	F	E	I	V	A	R	G	H	N	P	S	M	T	E	M	L	E	I	R	G	Q	V	E	Q	G	S	L	S	R	A	F	S	N	H	P	K	F	D	R	F	Y	C	N	L	V	A	A	G	E	T	G	G	V	L	150							
NTDB	id	1113	AAA85695.1	219..1451	()		D	I	T	V	T	R	Q	L	S	T	M	I	N	A	G	L	P	M	Q	A	F	E	I	V	A	R	G	H	N	P	S	M	T	E	M	L	E	I	R	G	Q	V	E	Q	G	S	L	S	R	A	F	S	N	H	P	K	F	D	R	F	Y	C	N	L	V	A	A	G	E	T	G	G	V	L	150							
NTDB	id	1252	GC085	RS07730	WP	011213805.1	D	I	T	V	F	S	R	Q	L	A	T	M	I	E	S	G	I	P	L	M	Q	A	F	D	I	V	A	K	Q	S	N	K	R	L	K	D	L	I	E	T	I	K	H	D	I	E	T	G	L	T	L	A	E	S	L	I	K	H	P	L	Y	F	N	E	L	F	C	N	L	V	D	A	G	E	K	S	G	S	L	147		
NTDB	id	132691	XFHB	RS12620	WP	010894959.1	D	I	A	F	F	S	R	Q	M	A	T	M	M	K	A	G	V	P	I	V	G	A	L	D	I	L	A	N	G	Q	K	N	P	R	M	R	T	M	V	N	Q	I	K	N	D	I	E	G	G	S	S	L	Y	E	S	I	S	K	H	P	V	Y	F	D	E	L	Y	R	N	L	V	R	A	G	E	R	A	G	V	L	140	
NTDB	id	1198	PSJM300	03950	AFN76868.1		D	I	A	L	F	T	R	Q	M	A	T	M	M	K	A	G	V	P	L	Q	S	F	D	I	I	G	E	G	F	D	N	P	N	M	R	K	L	V	D	D	L	K	Q	E	V	A	A	G	N	S	F	A	S	S	L	R	K	K	P	Q	Y	F	D	D	L	Y	C	N	L	V	D	S	G	E	Q	S	G	S	L	146		
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	D	I	A	I	F	T	R	Q	L	A	T	M	M	K	A	G	V	P	L	M	Q	A	F	E	I	V	A	E	G	L	N	P	A	M	R	D	V	V	L	G	L	K	N	E	V	E	G	G	N	T	F	A	G	A	L	R	K	P	Q	Y	F	D	N	L	F	C	S	L	E	S	G	E	Q	S	G	S						

NTDB id 1029	TT RS02230 WP 011228203.1	DLILDRLASFLEKELELRGKIRSAMTYPIVVFVFAVGVAIFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDLLRAATL	224
NTDB id 1402	DSB67 RS12670 WP 010643257.1	SQVFERLATYREKSEQLRAKVIKALIYPAMVVVLVALGVSYLMLTRVIPLEFEKMFTFGADLPFTQMVLNLSAWTQNWGP	227
NTDB id 1169	A1552VC RS11075 WP 000648511.1	PEVFERLATYREKSEQLRAKVIKALIIYPSMVVLVALGVSYLMLTMVIPLEFESMFKGFGAELPWFTQQVKLSHWVQAYS	228
NTDB id 1112	NGFG RS09215 WP 003689811.1	ESLIDLKLAITYKEKTQAIRKKVKTKALTYPVSVIAVAIGLVFMVMIFVLPAFKEVYANMGAELPLTQTVMDSDFVSYGW	230
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NTDB id 1252	GCO85 RS07730 WP 011213805.1	DIMLDKVATYKEKIEIIRKKIKKKALTYPVAVMMVALLVTAGLLIYVVPQFESLFKGFADLPAMTRAVITMSEFMQAYWY	227
NTDB id 132691	XFBH RS12620 WP 010894959.1	ETVLDTIASYLENIEALKGKIRKALFYPPVAIVAVALLIVSSILLIYVVPQFEDVFKGFAGAELPAFTQMIVNFSNFMRWWW	220
NTDB id 1198	PSJM300 03950 AFN76868.1	ETLLDRVATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVVFANFGAELPAFTLMVIGLSEALQAWWY	226
NTDB id 1016	ACIAD RS01680 WP 004920476.1	EIMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVVPVFKDLFTSFGADLPFTAQLVNVNSNMWDYWF	229
NTDB id 1059	ABD1 RS01610 WP 000279215.1	ETMLDRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVVPVFDLFFASFGADLPFTAQMNVNMSKNMQEYWF	229
consensus		*****!****!*!!*!!!!!!!*!!!!*!!!!!!!!!!!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*	

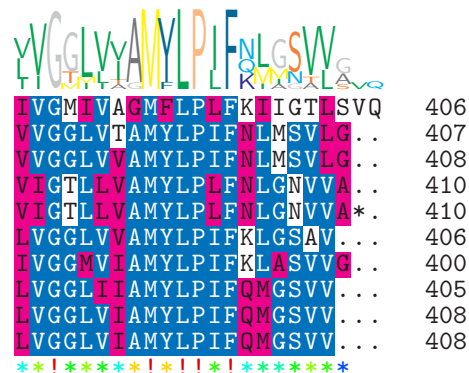
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NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 132691 XFHB RS12620 WP 010894959.1
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NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus
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NTDB id 1029 TT RS02230 WP 011228203.1
NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
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NTDB id 1198 PSJM300 03950 AFN76868.1
NTDB id 1016 ACIAD RS01680 WP 004920476.1
NTDB id 1059 ABD1 RS01610 WP 000279215.1
consensus

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- X non conserved
- X similar
- X > 50% conserved