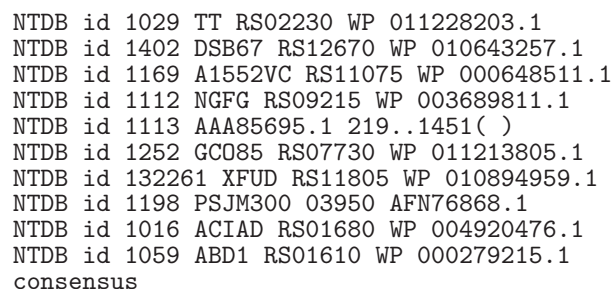


NTDB id 1029	TT RS02230 WP 011228203.1	MPVYQYKARDRQGRLVEATIEAEDLRTAARLLRDRGLFVAEIKPEPKGLQA EVRIPALERGPGLK	65
NTDB id 1402	DSB67 RS12670 WP 010643257.1	.MKT.....IAPQLKNYRWKGINS SGKK.TSGNVLAMTEIEVRERLDAQHIKIKKLKKSISFI....TKISHRVK GK	67
NTDB id 1169	A1552VC RS11075 WP 000648511.1	MKAT.....QTLP LKNYRWKGINSNGKK.VSGQMLAISEIEVRDKLKDQHIIQIKKLKKS SVSLL....ARLTRHV KSK	68
NTDB id 1112	NGFG RS09215 WP 003689811.1	.MAKNGGFSLF AKKEKR FIFEGRH SASDKLVN GEVS AFTEE EARKKLAKRGIRPLQ ITRVK.....TSSK RKITQE	70
NTDB id 1113	AAA85695.1 219..1451()	.MAKNGGFSLF AKKEKR FIFEGRH SASDKLVN GEVS AFTEE EARKKLAKRGIRPLQ ITRVK.....TSSK RKITQE	70
NTDB id 1252	GCO85 RS07730 WP 011213805.1	.MDK.....NSPPLLTFHYQGINKAGQK.MEGDIQARSLATAKADLRKQGIVTNKV VKKRKPLFD....RKNKKITQA	67
NTDB id 132261	XFUD RS11805 WP 010894959.1	MTSFLWEGTDKRGVK.IKGEQTARTANLLRAELRRQGITPLVVKPRPKPLF....GQAGKRITPK	60
NTDB id 1198	PSJM300 03950 AFN76868.1	.MAQ.....KA IKN SVFTWEGLDRQGAK.IKGELS GVPALVKAQLRKQGIN PQK VRKKSISLFS....AGKKIKPM	66
NTDB id 1016	ACIAD RS01680 WP 004920476.1	MAAK.....KTQVM PVFAYEGV DRKG IK.LKGELPARNMALAKVT LRKQGITT RTIREKRKNIFE....GLLKKKV KPL	69
NTDB id 1059	ABD1 RS01610 WP 000279215.1	MAVK.....KAQM MPTFAYEGVD RKG VK.IKGELPAKNMALAKVT LRKQGVTVRNIREKRKNILE....GLFKKKV TTL	69
consensus		**** * * ***** * * **** * *	

NTDB	id	1029	TT	RS02230	WP	011228203.1	D	L	A	I	F	S	R	Q	L	A	T	M	L	G	A	G	L	T	L	L	Q	A	L	A	I	L	R	Q	T	E	N	R	K	F	R	E	I	L	K	Q	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	L	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	M	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	M	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	132261	XFUD	RS11805	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																																			

NTDB	id	1029	TT RS02230 WP	011228203.1	DLILDRLASFLEKELELRGKIRSAMTYPIVIVFVFAGVAYFLLTGIVPQFAQLITDGLSELPLLTRFLIAVSDDLRAATL	224
NTDB	id	1402	DSB67 RS12670 WP	010643257.1	SQVFERLATYREKSEQLRAKVIKALIYPAMVVVLVALGVSYLMLTRVIIPEFEKMFTFGADLPFTQMVLNLSAWTQNWGP	227
NTDB	id	1169	A1552VC RS11075 WP	000648511.1	PEVFERLATYREKSEQLRAKVIKALIIYPSMVVLVALGVSYLMLTMTVIIPEFESMFKGFGAELPWFTQQVKLSHWVQAISL	228
NTDB	id	1112	NGGF RS09215 WP	003689811.1	ESLLDKLAIFYKEKTQAIRKKVKALTIPYSVAIVAIGLVFMVMIFVLPAFKEVEVANMGAELPALTQTVTMDMSDFFSYGW	230
NTDB	id	1113	AAA85695.1	219..1451()	ESLLDKLAIFYKEKTQAIRKKVKALTIPYSVAIVAIGLVFMVMIFVLPAFKEVEVANMGAELPALTTQVTMDMSDFFSYGW	230
NTDB	id	1252	GCO85 RS07730 WP	011213805.1	DIMLDKVATYKEKIETIIRKKIKKKALTYPIDAVMVVALLVTAGLLIYVVPQFESLFKGGADLPAMTRAVIDTMSEFMQAQYWY	227
NTDB	id	132261	XFUD RS11805 WP	010894959.1	ETVLDTIASYLENIEALKGKIRKALFYPAIVAIVALIVSSILLIYVVPQFEDVFKGGAEPLAFTQMIVNFNSNMQRWWW	220
NTDB	id	1198	PSJM300 03950 AFN76868.1		ETLLDRVATYKEKTEALKA KIKKAMNYPIAVVLVAVIVTA ILLIKVVPQFDV FANFGAELPAFTLMVIGLSEA LQA WY	226
NTDB	id	1016	ACIAD RS01680 WP	004920476.1	EIMLDRVAVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKKVVPVFKDLFTSFGADLPFTQLVNMSNWMDQYWF	229
NTDB	id	1059	ABD1 RS01610 WP	000279215.1	ETMLDRVAIYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKKVVPVFFQLFASFSGADLPFTQMNVNMSKWMEYWF	229
consensus					* ** * *	

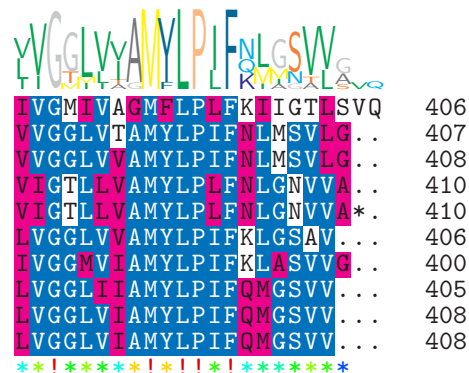
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NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
NTDB id 1252 GC085 RS07730 WP 011213805.1
NTDB id 132261 XFUD RS11805 WP 010894959.1
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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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 1252 GQ085 RS07730 WP 011213805.1
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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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- X non conserved
- X similar
- X > 50% conserved