

NTDB id 1169 A1552VC RS11075 WP 000648511.1	MKATQTLPLKNYRWKGINSGKK.VSQMLAISIEIEVRDKLKDQHTQIKKLKKGVSLLAR.LTHR	67
NTDB id 1402 DSB67 RS12670 WP 010643257.1	MKTIAPQKNYRWKGINSSGKK.TSGNVLAMTEIEVRERLDAQHIKIKKLKKGISIFITK.ISHR	66
NTDB id 1112 NGFG RS09215 WP 003689811.1	MAKNGGFSLFAKKEKRFIFIEGRHSASDKLVNGEVSFAFTEEEARKKLAKRGIRPLQITRVK....	69
NTDB id 1113 AAA85695.1 219..1451()	MAKNGGFSLFAKKEKRFIFIEGRHSASDKLVNGEVSFAFTEEEARKKLAKRGIRPLQITRVK....	69
NTDB id 1198 PSJM300 03950 AFN76868.1	MAQKAIKNSVFTWEGIDRQGAQ.IKGELSGSPALVKAQLRKQGINPQKVRKKSISLFS..AGKK	65
NTDB id 1016 ACIAD RS01680 WP 004920476.1	MAAKKTQVMPVFAYEGVDRKGVIK.LKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGLLK	68
NTDB id 1059 ABD1 RS01610 WP 000279215.1	MAVKKAQMMPFTAYEGVDRKGVIK.IKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEGLFK	68
NTDB id 1101982 Q9278 RS15195 WP 011408067.1	MSVARSAIKKQPVDRNTSMQLTFIWEGADKRGVK.MKGEQTARNANMLRAELRRQGIVPSMVKKQPKPL	78
NTDB id 1252 GC085 RS07730 WP 011213805.1	MDKNSPPLLTFHYQGINKAGQK.MEGDIQARSLAIKADLRKQGITVTKVVKRKPFLDR.KN	66
consensus	* * * * *	67

NTDB id 1169	A1552VC	RS11075	WP	000648511.1	KDITILTRQLATMTTGVPIVQALKLVGDNRHKAEMKKSILAQTITKSVEAGTPLSKAMRTASAHFDTLYVDLVETGEMSGN	147
NTDB id 1402	DSB67	RS12670	WP	010643257.1	KDITIFTRQIATMTMTGVPIVQALKLVSENHKAEMKKSILMSVTRAVEAGTPMSKAMRTASTHFDPLYTDLIATGEQSGN	146
NTDB id 1112	NGFG	RS09215	WP	003689811.1	EDITVFRQLSTMINKAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAGETGGV	149
NTDB id 1113	AAA85695.1	219..1451()			EDITVFRQLSTMINKAGLPLMQAFEIVARGHGNPSMTEMLMEIRGQVEQGSSLSRAFSNHPKYFDRFYCNLVAAGETGGV	149
NTDB id 1198	PJM300	03950	AFN	76868.1	MDIALFTRQMATMMKAGVPLIQSFDIIGEGFDNPNMRKLVDDLKQEVAAAGNSFASLIRKKPKYFDDLYCNLVDSGEQSGS	145
NTDB id 1016	ACIAD	RS01680	WP	004920476.1	LDIALFTRQLATMMKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNIFAGALRKYPQYFDNLFCSLIESGEQSGS	148
NTDB id 1059	ABD1	RS01610	WP	000279215.1	LDITIFTRQLATMMKAGVPLVQCFEIVAEGLENPAMREVVLGIKGEVEGGSTFASALRKYPQHFDNLFCSLVESGEQSGA	148
NTDB id 1101982	Q9278	RS15195	WP	011408067.1	KEIAFFSRQMATMMKSGVPIVSSLEIIGEGHKNPRMKMVGQIRTDIEGGSSLYESISKHPVQFDELYRNLVRAGEAGV	158
NTDB id 1252	GC085	RS07730	WP	011213805.1	ADITVFSRLATMTIESGIPLVQAFDIVAKGQSNKRLKDLIETIKHDIETGLTAEISLIKHPLYFNELFCNLVDAGEKSGS	146
consensus					*****	

NTDB id 1169	A1552VC	RS11075	WP 000648511.1	LPEVFERLATYREKSEQLRAKVIKALITYPSMVLVALGVSYLMLTMVVIPEFESMFKGFGAELPWFTTQQVVLKLSHWVQAYS	227
NTDB id 1402	DSB67	RS12670	WP 010643257.1	LSQVFERLATYREKSEQLRAKVIKALITYPAMVVLVALGVSYLMLTRVVIPEFEKMFMTGFGADLPFTQMVNLNSAWTQNWG	226
NTDB id 1112	NGFG	RS09215	WP 003689811.1	LESLLDKLATYKEKTAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPPLTQTVMDSDFVSYG	229
NTDB id 1113	AAA85695.1	219..1451()		LESLLDKLATYKEKTAIRKKVKTALTYPVSVIAVAIGLVFVMMIFVLPAFKEVYANMGAELPALTQTVMDMSDFVSYG	229
NTDB id 198	PSJM300	03950	AFN76868.1	LETILDRVATYKEKTEALKAKIKKAMNYPVIAVVLVAIVITAILLIKVPVPQFQDVANFGAELPAFTLVMVIGLSEALQAWW	225
NTDB id 1016	ACIAD	RS01680	WP 004920476.1	LETIMLDRVAITYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPFTQLVNNMSNMWQDYW	228
NTDB id 1059	ABD1	RS01610	WP 000279215.1	LETIMLDRVAITYKEKSELLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFASFGADLPFTQMVNNMSKWMQEYW	228
NTDB id 1101982	Q9278	RS15195	WP 011408067.1	LETIVLETVATYKENIEALKGKIKKALFYPAVVVAIVVSAILLIFVVPQFEVFKSFGAELPAFTQLLVNASRFMVSYW	238
NTDB id 1252	GC085	RS07730	WP 011213805.1	LDIMLDKVATYKEKIEILKKIKKALTYPVIAVMVALLVITAGLLIIVVPQFESLFKGFADLPAMTRAVITMSEFMQAYW	226
consensus				LDIMLDKVATYKEKIEILKKIKKALTYPVIAVMVALLVITAGLLIIVVPQFESLFKGFADLPAMTRAVITMSEFMQAYW	

NTDB id 1169	A1552VC	RS11075	WP 000648511.1	LWAF	T	A	A	A	T	F	G	L	K	A	L	R	K	N	S	F	Q	I	R	L	K	T	S	R	L	G	L	K	F	P	T	I	G	N	V	L	A	K	A	S	T	A	K	F	S	R	T	L	A	T	S	F	A	A	G	I	P	I	L	A	S	L	K	T	T	A	K	T	S	G	N	V	H	F	307					
NTDB id 1402	DSB67	RS12670	WP 010643257.1	PF	I	G	L	S	F	V	S	L	I	S	G	K	I	M	S	Q	R	S	D	S	F	R	L	L	A	A	R	S	S	L	R	V	P	I	L	G	P	V	L	S	K	A	A	I	A	K	F	S	R	T	L	A	T	S	F	S	A	G	I	P	I	L	T	A	L	K	T	T	S	K	T	S	G	N	M	H	Y	306		
NTDB id 1112	NGFG	RS09215	WP 003689811.1	W	M	V	L	I	A	L	G	F	A	I	Y	G	F	L	K	L	K	A	R	S	I	Q	I	R	R	M	D	A	I	L	L	R	M	P	I	F	G	D	I	V	R	K	G	T	I	A	R	W	G	R	T	T	A	T	L	F	A	A	G	V	P	L	V	D	L	S	T	A	G	A	A	G	N	L	I	Y	309			
NTDB id 1113	AAA85695.1	219..1451()		W	M	V	L	I	A	L	G	F	A	I	Y	R	F	L	K	L	K	A	R	S	I	Q	I	R	R	M	D	A	I	L	L	R	M	P	I	F	G	D	I	V	R	K	G	T	I	A	R	W	G	R	T	T	A	T	L	F	A	A	G	V	P	L	V	D	L	S	T	A	G	A	A	G	N	L	I	Y	309			
NTDB id 1198	PSJ300	03950	AFN76868.1	Y	V	V	L	A	G	F	V	C	A	A	Y	A	F	K	Q	A	H	T	R	S	E	K	F	R	N	W	F	D	R	L	M	L	K	V	P	V	G	D	I	L	K	S	S	V	A	R	F	A	R	T	L	S	T	T	F	A	A	G	V	P	L	V	D	L	S	V	A	G	A	T	N	V	F	305						
NTDB id 1016	ACIAD	RS01680	WP 004920476.1	F	I	L	I	L	V	I	G	A	A	T	A	G	F	L	E	A	R	K	R	S	K	R	F	R	D	Q	L	D	R	L	V	L	R	L	P	I	V	G	D	L	V	Y	K	A	I	T	A	R	Y	S	R	T	L	A	T	T	F	A	A	G	V	P	L	I	D	A	L	A	S	T	A	G	A	T	N	N	T	V	Y	308
NTDB id 1059	ABD1	RS01610	WP 000279215.1	F	I	M	I	T	A	G	V	I	A	A	F	L	E	A	K	R	S	K	K	F	R	D	G	L	D	K	L	A	L	K	L	P	I	F	G	D	L	V	Y	K	A	I	T	A	R	Y	S	R	T	L	A	T	T	F	A	A	G	V	P	L	I	D	A	L	E	S	T	A	G	A	T	N	N	V	I	Y	308			
NTDB id 1101982	Q9278	RS15195	WP 011408067.1	W	L	M	L	I	V	T	V	G	S	V	G	F	I	F	A	Y	K	R	S	P	R	M	Q	H	G	L	D	R	L	I	L	K	V	P	V	I	G	Q	I	M	N	S	A	I	A	R																																		

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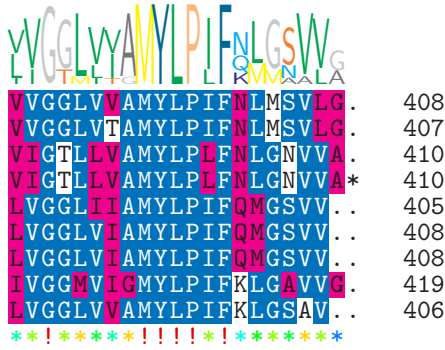
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consensus



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NTDB id 1252 GC085 RS07730 WP 011213805.1
consensus



☐ non conserved
☒ similar
☒ ≥ 50% conserved