

logo

NTDB id 1366	NTHI RS01950 WP 011271972.1	MTSY....ALLHTQRVTAQNGEIFTI.....SPDLW	27
NTDB id 1355	HI 0298 AAC21962.1	MTSY....ALLHTQRVTAKNGEVFTI.....SPDLW	27
NTDB id 1384	A4U84 RS08525 WP 010787006.1	MSQY....T....ICEQQTERIFDI.....SPSRW	22
NTDB id 1468	ASU2 RS05090 WP 014991734.1	MQY....S....VCDMSQQVFDI.....SESLW	21
NTDB id 1436	BW25113 RS00530 WP 001025145.1	MNIPTQL.....	6
NTDB id 1168	A1552VC RS11070 WP 000957200.1	MLTNLVAIIRQAELISATQEQA VVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSRYDYANL	72
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSSQEESLLEQVKASGISMPPEALLSSGFFFSHELTEHLSSVFGLSCTLSNQYEYASL	72
NTDB id 1293	VP RS12240 WP 005479695.1	MHSNLSLILRQKGLITFSQEESLIEQVKASGISMPPEALLSSGFFTSSELAEHLSSVFGLSQPELSQYEYASL	72
NTDB id 1110	NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVVTVEQAEHYV.NESQAGKEVLPLMFLSDGVISPKSLAALIARVFSYSILDLRHYPRHRV	71
NTDB id 1251	GCO85 RS07725 WP 011946523.1	MALATEEYRLQGIGQLLVLEKLIDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAQAQNFVPMPLDINCIDVGTI	80
NTDB id 1018	ACIAD RS01685 WP 004920473.1	MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIPVYLIDNFSISPLTIAETIISLEFGEPLLDLGVFDPALF	80
NTDB id 1058	ABD1 RS01615 WP 001274986.1	MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPLSLIAETISAEFAEYPFDLDVYDTSQI	80
consensus		*.....*.....*.....*.....*	

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NTDB id	1366	NTHI RS01950 WP 011271972.1	ERNQQQQS	L L L R Y F A P L P K E E N N R L W L G V D S L S N I S A C E T I A F I T G K P V E P I L L E S S Q L K E L L Q Q L T P H Q M Q V E E Q V K . .	105										
NTDB id	1355	HI 0298 AAC21962.1	ERNQQQQS	L L L R Y F A P L P K E E N N R L W L G V D S L S N I S A C E T I A F I T G K P V E P I L L E S S Q L K E L L Q Q L T P N Q M Q V E E Q V K . .	105										
NTDB id	1384	A4U84 RS08525 WP 010787006.1	QKNCEEKQ	L L L R Y L A V P V Q E T E H K L W L A V D D E N N L T A C E I F A F M T H K Q I E P V V I A S D E L K Y L L N A L S P E Q Q P I Y E E S E . .	100										
NTDB id	1468	ASU2 RS05090 WP 014991734.1	KQNCKDEKH	L L L R Y L A I P I Q E N D D T L W L A I D D M N N L S A C E I F A F I A H K T I E P V V I S S D E L K Y L L N Q L S P E Q Q S L Y E E T E . .	99										
NTDB id	1436	BW25113 RS00530 WP 001025145.1		T A L C L R Y H G V L L D A S E E V V H V A V V D A P S H E L L D A L H F A T T K R I E I T C W T R Q Q M E G H A	63										
NTDB id	1168	A1552VC RS11070 WP 000957200.1	CQQLGLREL	I T R Y D A L P I A K Q G N L L L L A V S D P T I L I Q A E E F R F A T G L I Q V E L A I A D H R A L Q A A I R R L Y G R S I Q G A A N Q G K E	152										
NTDB id	1401	DSB67 RS12665 WP 010643259.1	CQTILGLRD	L I T R H N A L P L N R T S S T L I L A V A D P T N L Q A E D D F R F A T G L Q V E L V L A D F R E L T A A I R R L Y G R S L G Q E K S G L K E	152										
NTDB id	1293	PV RS12240 WP 005479695.1	CQQLGLREL	I T R H N A L P L H R T P S T L I L A V A D P T N N Q A E D D F R F A T G L Q V E L V L A D F R E L S T A I R R L Y G R S L S H E K S G L K E	152										
NTDB id	1110	NGFG RS09235 WP 003689817.1	LMGVLTTEEQ	M V E F H C V P V F R R G D K V F F A V S D P T Q M P Q I Q K T V S A A G I A V E L V I V E D D Q L A G L L D W V G S R S T S L . . L Q E L	148										
NTDB id	1251	GCO85 RS07725 WP 011946523.1	PVNVLVNEK	L I K R H A M V P L F S R G T N L Y L A T D D P S K Q A S L K E I Q F H T G L N T H A I V V E T D K L S A L I D N L L T A K E S Q G L S E Y V E	160										
NTDB id	1018	ACIAD RS01685 WP 004920473.1	LKD KIDEK	L I Q K Y R I M P L V H R G H V L Y V A T S N P T N I E A M D A I R F N S K L K V E P I I V E H D K L E R L L S E H F V E E T H F N F D T E . .	158										
NTDB id	1058	ABD1 RS01615 WP 001274986.1	PKDLVDQK	L I L K H R I L P L I Q R G Q I L Y V A T S N P S N I E A I D A I R F N S K L L V E P V I V E H H K L E K V L G H F A E S S F D F N D E . .	158										
consensus			*	* * * * *	* * * *	* * * * *	* * * * *	* *	* * * * *	* * * * *	* * * * *	* * * *	*	* * *	*

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NTDB id	1366	NTHI RS01950 WP 011271972.1	FYQHQQETHFEQEDDEPVIIRLLNQIFESALQKNASDIHLETLADQFQVVRFRIDGVLQPQLISKIF	170
NTDB id	1355	HI 0298 AAC21962.1	FYQHQQETHFEQEDDEPVIIRLLNQIFESALQKNASDIHLETLADQFQVVRFRIDGVLQPQLISKIF	170
NTDB id	1384	A4U84 RS08525 WP 010787006.1	LAFVEQE.QEGLNLNDPIIIQLLDNLFKFC.LAQNASDIHIEPRKKLIIRLRIDGVLHYPKLSISIQ	165
NTDB id	1468	ASU2 RS05090 WP 014991734.1	LNYQSPDNLDLLNQNDDPIIIQLLDNLFKFC.LQKNASDIHFEPYQKEKLQIRLRIDGVLHIYKLSFSFL	165
NTDB id	1436	BW25113 RS00530 WP 001025145.1	SRTQQTLPVAVQEKHQPKAELLTRT.LQSALEQRASDIHIEPAD.NAYRIRLRIDGVLHPLPDVSPDA	129
NTDB id	1168	A1552VC RS11070 WP 000957200.1	ISQ..DELANLVKVSDDELQSIEDLSQDPSVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQPASHL	230
NTDB id	1401	DSB67 RS12665 WP 010643259.1	INQ..DELAGSLVDIGEDEIENIEDLSQDES PVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQPPSHL	230
NTDB id	1293	VF RS12240 WP 005479695.1	INQ..EELASLVDVGGADEIENIEDLSQDES PVSRYINQILLDAVRKGASDIHFEPYEKMRYRVRLRCDGIL IETQQPPNH	230
NTDB id	1110	NGGF RS09235 WP 003689817.1	GEGQEEEEESHPLYIDNEEAEDGPVPRFIHKTTLSDALRSGASDIHFEFYEHNAIRFRVDGQLREVVPPIAV	220
NTDB id	1251	GCO85 RS07725 WP 011946523.1	DSGDLEGLEISAD.DEDQDIDTATSVTDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIYRQDGI LHEVATPPASL	239
NTDB id	1018	ACIAD RS01685 WP 004920473.1	.ELD...LDVEVDPHTTDDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFPEPYEKS YRVRYRV DGVRLRIATPPLQL	234
NTDB id	1058	ABD1 RS01615 WP 001274986.1	.EFD...LDVNLDGPTAQEDDEEAPQGEDAPIVKYINKLLIDAIRMGASDLHFPEPYEKS YRVRYRV DGVLRQIANPPLQL	234
consensus			* * * ! * * * * * * * * * * ! ! ! * ! * * * * * * * * ! ! ! * *	

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NTDB id	1366	NTHI	RS01950	WP	011271972.1	ANRIISRLKLLAKLDISENRLPQDGRFQFKTTTF.SDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAF	249
NTDB id	1355	HI	0298	AAC21962.1		ANRIISRLKLLAKLDISENRLPQDGRFQFKTTTF.SDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFSELGMTENQQQAF	249
NTDB id	1384	A4U84	RS08525	WP	010787006.1	ASRLISRIKLLAKLDISELRQPQDGGQFSFTTAL.ADTLDFRVSSLPTIYGEKLVRLQKNKPTSFDFLQLGFNPQQQTTL	244
NTDB id	1468	ASU2	RS05090	WP	014991734.1	ANRIITRLKLLAKLDISETRLPPQDGGQFNFKTIVT.AETLDFRVSSLPTSFGEKIVLRLQKNKPTHFDFLELGFSPPEQKQLL	244
NTDB id	1436	BW25113	RS00530	WP	001025145.1	GVALTARLKVLGNDIAEHRLPQDGGQFTVELA..GNAVSFRIATLPCRGGEKVVLRLQLQVVGQALDVNTLGMQPLQLADF	207
NTDB id	1168	A1552VC	RS11070	WP	000957200.1	SRRLAARIKILSKLDIAERRLPQDGRICKLRISR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLIDDKLGYNPQQKQLY	309
NTDB id	1401	DSB67	RS12665	WP	010643259.1	SRRLSARIKILSKLDIAERRLPQDGRICKLRINQ.DTAIDMRVSTLPTLWGEKIVLRLLDSSAALDINKLGYSDSQKQLY	309
NTDB id	1293	VP	RS12240	WP	005479695.1	SRRLSARIKILSKLDIAERRLPQDGRICKLRINQ.DTAIDMRVSTLPTLWGEKIVLRLLDSSAASLIDDKLGYSEQKQLY	309
NTDB id	1110	NGFG	RS09235	WP	003689817.1	RGQLASRIKIVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLWGEKIVLRLILNSDAASLNDIDQLGFEPFQKKLL	300
NTDB id	1251	GC085	RS07725	WP	011946523.1	SSRITARIKIVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKIVMRVLDSGAAGLGEALGFNPVQRTNF	318
NTDB id	1018	ACIAD	RS01685	WP	004920473.1	ATRLASRLKIVMSQMDISEKRVPPQDGRICKLRMSK.SKTIDFRVNSLPTLWGEKIVLRLIDPASAMLGIDALGYEPEQKALF	313
NTDB id	1058	ABD1	RS01615	WP	001274986.1	ANRLASRLKIVMSQMDISEKRVPPQDGRICKLRISK.SKAIDFRVNSLPTLWGEKIVLRLIDPSSAMLGIDALGYEEDQKALF	313
consensus						* ** *!*!*!*!*!*!*!*!*!*!*!*!*!*!*!* * * * *!* * * *!* **	

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NTDB id	1366	NTHI	RS01950	WP	011271972.1	QRSLSQPQGLILVTGPTGSGKISISLYTALQWLNTPKDHIMTAEDPIEIEILDGIIQSQINPQIGLDFSRLLRAFLRQDPDI	329
NTDB id	1355	HI	0298	AAC21962.1		QRVLSQPQGLILVTGPTGSGKISISLYTALQWLNTPKDHIMTAEDPIEIEILDGIIQSQINPQIGLDFNRLLRFLRQDPDI	329
NTDB id	1384	A4U84	RS08525	WP	010787006.1	LNALKQPQGLILVTGPTGSGKISITLYSALNYLNQMDKHILTAEDPVEIEIDGLIQTQVNRSIQLDIFSQLLRTFLRQDPDI	324
NTDB id	1468	ASU2	RS05090	WP	014991734.1	LTALHQPQGLILVTGPTGSGKISITLYSALNYLNNSERHILTAEDPIEIEIEGIIQTQVNRAIQLDIFSQLLRTFLRQDPDI	324
NTDB id	1436	BW25113	RS00530	WP	001025145.1	AHALQQPQGLVLTGPTGSGKTVTLYSALQKLNTADINICSVEDPVEIPIAGLNQTQIHPRAGLTFQGVLRALLRQDPDV	287
NTDB id	1168	A1552VC	RS11070	WP	000957200.1	LNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEADPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDV	389
NTDB id	1401	DSB67	RS12665	WP	010643259.1	LDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPENINISTAEADPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDV	389
NTDB id	1293	VP	RS12240	WP	005479695.1	LEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPENINISTAEADPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDV	389
NTDB id	1110	NGFG	RS09235	WP	003689817.1	LEATHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALRSFLRQDPDI	380
NTDB id	1251	GC085	RS07725	WP	011946523.1	LKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEADPVEIKVPGINQVNVNPKAGLTFSGALRSFLRQDPDI	398
NTDB id	1018	ACIAD	RS01685	WP	004920473.1	MEALNKPPQGMILLITGPTGSGKTVSLYTGLNILNTEHANISTAEADPVEINLEGVNVNVNPKVGLTFFAALRSFLRQDPDI	393
NTDB id	1058	ABD1	RS01615	WP	001274986.1	MEALDKPPQGMILLITGPTGSGKTVSLYTGLNILNTESSNISTAEADPVEINLEGINQVNVNPKVGLTFFAALRSFLRQDPDI	393
consensus						* ** *!*!*!*!*!*!*!*!*!*!*!*!*!*!*!* * *! *!*!*!*!*!* *! *!*!*!*!*!*!*!*!*!*!*!	

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NTDB id	1366	NTHI	RS01950	WP	011271972.1	IMLGEIRDDEESARIAALRAAQTGHLVLSTLHTND AISATISRLQQLGIIQHEIENSLLL VIAQRLVRKICPKCGGN.....	403
NTDB id	1355	HI	0298	AAC21962.1		IMLGEIRDDEESAMIALRAAQTGHLVLSTLHTND AISATISRLQQLGIIQHEIENSLLL VIAQRLVRKLCCKCGGN.....	403
NTDB id	1384	A4U84	RS08525	WP	010787006.1	IMLGEIRDDEESAKMALRASQTGHLVLSTLHTND ALSAVERLLQLGIEYEIQNSLLL VIAQRLVRKLCCKCGV.....	398
NTDB id	1468	ASU2	RS05090	WP	014991734.1	IMLGEIRDDEESAEIALRAAQTGHLVLSTLHTND APSATIERLLQLGIKEYEIKNSLQLIIAQRLLRKRCPCKGK.....	398
NTDB id	1436	BW25113	RS00530	WP	001025145.1	IMIGEIRDGETAEIAIAKAAQTGHLVLSTLHTNSTCETLVRLQQMGVARWMLSSALT LVIAQRLVRKLCPCRRQCGEPIH	367
NTDB id	1168	A1552VC	RS11070	WP	000957200.1	VMVGEIRDLETAETIAIAKAAQTGHLVLSTLHTNSAAETVIRLANMGVFPFN LASSLSLIIAQRLLARRLCKHKCIAV.RPSA	468
NTDB id	1401	DSB67	RS12665	WP	010643259.1	VMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFN LASSLSLIIAQRLLARRLCPYCRPPQ.EPNS	468
NTDB id	1293	VP	RS12240	WP	005479695.1	VMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFN LASSLSLIIAQRLLARRLCPYCKQPQ.EHTV	468
NTDB id	1110	NGFG	RS09235	WP	003689817.1	IMVGEIRDLETAETIAIAKAAQTGHMVSTLHTNNAPATLSRMLNMGVAPFN IASSVSLIIAQRLLRLCSSCKQEVERPSA	460
NTDB id	1251	GC085	RS07725	WP	011946523.1	IMVGEIRDLETAETIAIAKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFN IASSVTLIIAQRLLARRLCNQCKAVRDDFTN	478
NTDB id	1018	ACIAD	RS01685	WP	004920473.1	IMVGEIRDLETAETIAIAKAAQTGHLVMSLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLLARRLCSQCKRPI.QVPE	472
NTDB id	1058	ABD1	RS01615	WP	001274986.1	IMVGEIRDLETAETIAIAKAAQTGHMVMSLHTNSAPETLTRLRNMGVSPFN IATSVNLVIAQRLLARRLCSQCKIPA.DIPK	472
consensus						*!*!*!*!*!*!*!*!*!*!*!*!*!*!*!* * ** *! *!*!* *!*!*!*!*!*!*!*!*!*!*!*!*!*!*!*!	

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NTDB id 1366 NTHI RS01950 WP 011271972.1	LINS	C	QGYRGRIGVYQFLHWQQN.....GY.....QTDFENLRES	441
NTDB id 1355 HI 0298 AAC21962.1	LANSC	D	CH.QGYRGRIGVYQFLHWQQN.....DY.....QTDFKNLRAS	441
NTDB id 1384 A4U84 RS08525 WP 010787006.1	GC	..	DECY.QGYRGRIGVYQCLSR	439
NTDB id 1468 ASU2 RS05090 WP 014991734.1	GC	..	DNCY.HGYKGRGTGIYQLLAKQGK.....FFEKSTAYLDYDNLRAS	439
NTDB id 1436 BW25113 RS00530 WP 001025145.1	I.....PDNVWPSPLPHWQAP	GC	..VHCY.HGFYGR	436
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LLQSQFAFPNEIL...YEANAAGC	..	NECT.GGYSGRVGIYEVMAFNTELA	541
NTDB id 1401 DSB67 RS12665 WP 010643259.1	QLQH.IGIANTEQI...FQANPDGC	..	NECT.HGYSGRGTGIYEV	540
NTDB id 1293 VP RS12240 WP 005479695.1	QLQH.LGIQTTDNI...FRANPDGC	..	NECT.HGYSGRGTGIYEV	540
NTDB id 1110 NGFG RS09235 WP 003689817.1	SALKEVGFTDEDLAK.DWKLYRAVGC	..	DRCRGQGYKGRAGVYEVMP	537
NTDB id 1251 GC085 RS07725 WP 011946523.1	QGLIELGFKEADLV..NLKLYKAVGC	..	EQCT.SGYRGRVGLF	553
NTDB id 1018 ACIAD RS01685 WP 004920473.1	RSLLEMGFTPEDLAQPEFQIFEPVGC	..	HDCR.EGYKGRVGIYEV	549
NTDB id 1058 ABD1 RS01615 WP 001274986.1	QSLLEMGFTEQDLAHPDFRVFQPVGC	..	LECR.EGYKGRVGIYEV	549
consensus				

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NTDB id 1366 NTHI RS01950 WP 011271972.1	GLEKVSQG	ITDEKEI	ERV	L	GKNS..	464						
NTDB id 1355 HI 0298 AAC21962.1	GLEKVSQG	ITDEKEI	ERV	L	GKNL..	464						
NTDB id 1384 A4U84 RS08525 WP 010787006.1	AKQKIEQ	QLTNETE	V	DRV	LGYE...	461						
NTDB id 1468 ASU2 RS05090 WP 014991734.1	AEQKLA	ANITTV	DEV	KRV	LGDG...	461						
NTDB id 1436 BW25113 RS00530 WP 001025145.1	GCLAVEQ	GLTTFEE	L	IRV	LGM	PHGE	461					
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GIEKLRE	GITSFAE	L	Q	R	VLYF....	562					
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GIEKLK	QGITSF	REL	Q	R	VLYF....	561					
NTDB id 1293 VP RS12240 WP 005479695.1	GIEKLK	QGITSF	SEL	Q	R	VLYF....	561					
NTDB id 1110 NGFG RS09235 WP 003689817.1	GILKIM	QGITS	L	EEV	T	ANT	ND....	558				
NTDB id 1251 GC085 RS07725 WP 011946523.1	GIEKVKE	GITTIEE	V	N	R	V	TVD....	574				
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GLKKVM	QGV	T	SLQ	E	I	N	R	V	T	SE...	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	GLKKVM	QGV	T	SLQ	E	V	N	R	V	T	SE....	570
consensus	***	***	***	!	***							

- [X] non conserved
- [X] similar
- [X] ≥ 50% conserved