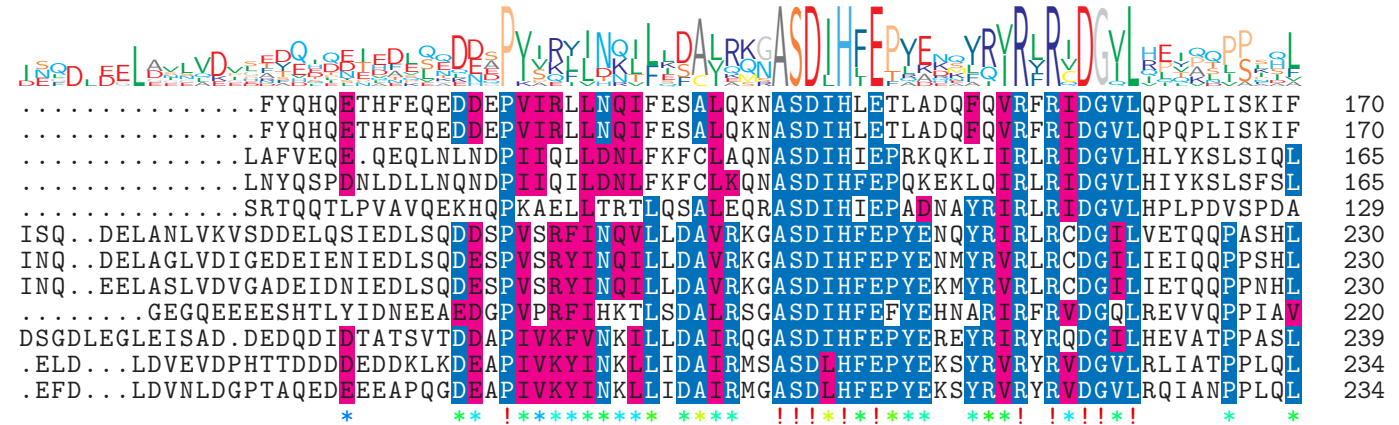
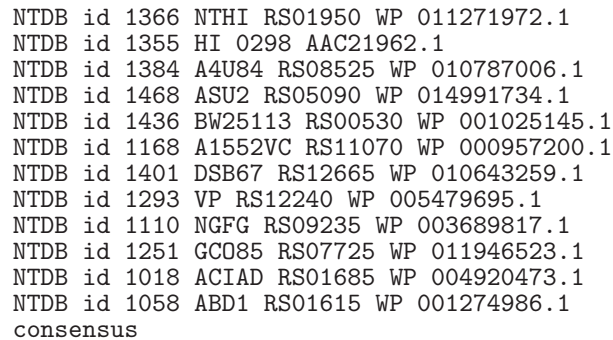
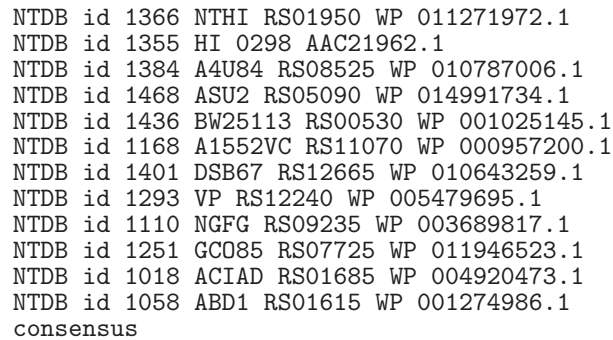


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NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 1355 HI 0298 AAC21962.1
NTDB id 1384 A4U84 RS08525 WP 010787006.1
NTDB id 1468 ASU2 RS05090 WP 014991734.1
NTDB id 1436 BW25113 RS00530 WP 001025145.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
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	ANRIITRLKLLAKLDISETRLPQDGGQFNFKTVT.AETLDFRVSSLPTSFGEKIVLRLQKNKPTHFDFLELGFSPPEQKQLL	244
NTDB id	1436	BW25113	RS00530	WP	001025145.1	GVALTARLKVLGNDIAEHRLPQDGGQFTVELA..GNAVSRFIATLPCRGGEKVVLRLQLQVVGQALDVNTLGMQPLQLADF	207
NTDB id	1168	A1552VC	RS11070	WP	000957200.1	SRRLAARIKILSKLDIAERRLPQDGRICKLRISR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLIDIDKLGYNPQQKQLY	309
NTDB id	1401	DSB67	RS12665	WP	010643259.1	SRRLSARIKILSKLDIAERRLPQDGRICKLRINQ.DTAIDMRVSTLPTLWGEKIVLRLLDSSAALDINKLGYSDSQKQLY	309
NTDB id	1293	VP	RS12240	WP	005479695.1	SRRLSARIKILSKLDIAERRLPQDGRICKLRINQ.DTAIDMRVSTLPTLWGEKIVLRLLDSSAASLIDIDKLGYSEQKQLY	309
NTDB id	1110	NGFG	RS09235	WP	003689817.1	RGQLASRIKIVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLWGEKIVLRLILNSDAASLNDIDQLGFEPFQKKLL	300
NTDB id	1251	GC085	RS07725	WP	011946523.1	SSRITARIKIVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKIVMRVLDSGAAKLGIEALGFNPVQRTNF	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	QRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPKDHIMTAEDPIEIEILDGIIQSQINPQIGLDFSRLRLAFLRQDPDI	329
NTDB id	1355	HI	0298	AAC21962.1		QRVLSQPQGLILVTGPTGSGKSISLYTALQWLNTPKDHIMTAEDPIEIEILDGIIQSQINPQIGLDFNRLRLRFLRQDPDI	329
NTDB id	1384	A4U84	RS08525	WP	010787006.1	LNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRFLRQDPDI	324
NTDB id	1468	ASU2	RS05090	WP	014991734.1	LTALHQPQGLILVTGPTGSGKSITLYSALNYLNNSERHILTAEDPIEIEIEGIIQTQVNRAIQLDFSQLLRFLRQDPDI	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	LKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEADPVEIKVPGINQVNTNPKAGLTFSGALRSFLRQDPDI	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 AISATISRLQQLGIQQHEIENSLLL VIAQRLVRKICPKCGGN.....	403
NTDB id	1355	HI	0298	AAC21962.1		IMLGEIRDDEESAMIALRAAQTGHLVLSTLHTND AISATISRLQQLGIQQHEIKNL SLLVIAQRLVRKLC SKCGGN.....	403
NTDB id	1384	A4U84	RS08525	WP	010787006.1	IMLGEIRDDEESAKMALRASQTGHLVLSTLHTND ALSAVERLLQLGIEYEIQNSLLL VIAQRLVRKLCCKKRGV.....	398
NTDB id	1468	ASU2	RS05090	WP	014991734.1	IMLGEIRDQESAIEIALRAAQTGHLVLSTLHTND APSATIERLLQLGIKEYEIKNSLQLIIAQRLLRKRCPCKGK.....	398
NTDB id	1436	BW25113	RS00530	WP	001025145.1	IMIGEIRDGETAEIAIKAAQTGHLVLSTLHTNSTCETLVRLQMGVARWMLSSALT LVIAQRLVRKLC PHCRRQQGEPIH	367
NTDB id	1168	A1552VC	RS11070	WP	000957200.1	VMVGEIRDLETAIEIAVKA AQTGHLVLSTLHTNSAAETVIRLANMGV EPNLASSLSLIIAQR LARRLCKHKIAV.RPSA	468
NTDB id	1401	DSB67	RS12665	WP	010643259.1	VMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQR LARKLCPYCRQPQ.EPNS	468
NTDB id	1293	VP	RS12240	WP	005479695.1	VMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQR LARKLCPYCKQPQ.EHTV	468
NTDB id	1110	NGFG	RS09235	WP	003689817.1	IMVGEIRDLETAIDAIKAAQTGHMV FSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIIAQRLLRLCSSCKQEVERPSA	460
NTDB id	1251	GC085	RS07725	WP	011946523.1	IMVGEIRDLETAIEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQR LARKLCNQCKAVRDDFTN	478
NTDB id	1018	ACIAD	RS01685	WP	004920473.1	IMVGEIRDLETAIEIAIKAAQTGHLV MSTLHTNNAETLTRLRNMGVASFNIATSVNLVIAQR LARRLCSQCKRPI.QVPE	472
NTDB id	1058	ABD1	RS01615	WP	001274986.1	IMVGEIRDLETAIEIAIKAAQTGHMV MSTLHTNSAPETLTRLRNMGVPSFNIAATSVNLVIAQR LARRLCSQCKIPA.DIPK	472
consensus						*!*****!?!*!?!*!!*! * ** *! *!*****!?!*!?!*!!*! *!*****!?!*!?!*!!*!	

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NTDB id 1366 NTHI RS01950 WP 011271972.1	LINSCDCH.QGYRGRIGVYQFLHWQQN.....GY.....QTDFENLRRES	441
NTDB id 1355 HI 0298 AAC21962.1	LANSCDCH.QGYRGRIGVYQFLHWQQN.....DY.....QTDFKNLRAS	441
NTDB id 1384 A4U84 RS08525 WP 010787006.1	GC..DECY.QGYRGRIGVYQCLSR TAK.....KFDKQTAYLDFSSLRES	439
NTDB id 1468 ASU2 RS05090 WP 014991734.1	GC..DNCY.HGYKGR TG IYQLLAKQGK.....FFEKSTAYLDYDNLRAS	439
NTDB id 1436 BW25113 RS00530 WP 001025145.1	I.....PDNVWPSPLPHWQAPGC..VHCY.HGFYGR TALFEVLPI TPVIRQLISANTDVESLETHARQAGMRTL FEN	436
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LLQSQFAFQPN EIL...YEANAAGC..NECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAKANGMQTLQES	541
NTDB id 1401 DSB67 RS12665 WP 010643259.1	QLQH.IGIANTEQI...FQANPDGC..NECT.HGYSGR TG IYEVMMKFDES LSEALIKGASVHELEKLAIANGMQTLQMS	540
NTDB id 1293 VP RS12240 WP 005479695.1	QLQH.LGIQT TDNI...FRANPDGC..NECT.HGYSGR TG IYEVMMRFDES LSEALIKGASVHELEKLAIANGMSTLQMS	540
NTDB id 1110 NGFG RS09235 WP 003689817.1	SALKEVGFTDEDLAK.DWKLYRAVGC..DRCRGQGYKGRAGVYEVMP ISEEMQRVIMNNGTEVGILDVAYKEGMVDLRRRA	537
NTDB id 1251 GC085 RS07725 WP 011946523.1	QGLIELGFKEADLV..NLKLYKAVGC..EQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQS	553
NTDB id 1018 ACIAD RS01685 WP 004920473.1	RSLLEMGFTPEDLAQPEFQIFEPVGC..HDCR.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAETLGFNNLRRS	549
NTDB id 1058 ABD1 RS01615 WP 001274986.1	QSLLEMGFTEQDLAHPDFRVFQPVGC..LECR.EGYKGRVGIYEVMMKVTPETISKIIMEDGNALEIAAAASEKLGFNNLRRS	549
consensus	*****!*****!* **	

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NTDB id 1366 NTHI RS01950 WP 011271972.1	GLEKVSQGITDEKEIERVLGKNS..	464
NTDB id 1355 HI 0298 AAC21962.1	GLEKVSQGITDEKEIERVLGKNL..	464
NTDB id 1384 A4U84 RS08525 WP 010787006.1	AKQKIEQQLTNETEVDRVLGYE...	461
NTDB id 1468 ASU2 RS05090 WP 014991734.1	AEQKLAANITTVDEVKRVLG DG...	461
NTDB id 1436 BW25113 RS00530 WP 001025145.1	GCLAVEQGLTTFEELIRVLGMPHGE	461
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GLEKLREGITSFAELQRVLYF....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GIEKLKQGITSFRELQRVLYF....	561
NTDB id 1293 VP RS12240 WP 005479695.1	GIEKLKQGITSFSELQRVLYF....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	GILKIMQGITSLEEVTANTND....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	GIEKVKEGITTIEEVNRVTVD....	574
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GLKKVMQGV TSLQEINRV TSE....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	GLKKVMQGV TSLQEVNRVTSE....	570
consensus	*** ** * * * ! * ! * * *	

- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved