

logo

NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1468 ASU2 RS05090 WP 014991734.1	.....	0
NTDB id 104560 ARC77 RS19870 WP 001025202.1	.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
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NTDB id 1468 ASU2 RS05090 WP 014991734.1		0
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NTDB id 1436 BW25113 RS00530 WP 001025145.1		0
NTDB id 1168 A1552VC RS11070 WP 000957200.1		0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTDGDLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
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NTDB id 1355 HI 0298 AAC21962.1		0
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NTDB id 1468 ASU2 RS05090 WP 014991734.1		0
NTDB id 104560 ARC77 RS19870 WP 001025202.1		0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB id 1028 TT RS08215 WP 011173991.1	LRSDALRYGAVPIGFQNGEVEVLSDPRIKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
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NTDB id 1401 DSB67 RS12665 WP 010643259.1		0
NTDB id 1293 VP RS12240 WP 005479695.1		0
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NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB id 1028 TT RS08215 WP 011173991.1	KEALEVQKGLPRAKPLGEIIVELGLARPEDVEEALQKQRRGGGRLEDITLVQSGKLRPEALIAQAVATQLGYPYVDPEEDPP	400
NTDB id 1366 NTHI RS01950 WP 011271972.1	MTSY....ALLHTQRVTAQNGEIFTI.....SP	24
NTDB id 1355 HI 0298 AAC21962.1	MTSY....ALLHTQRVTAQNGEIFTI.....SP	24
NTDB id 1384 A4U84 RS08525 WP 010787006.1	MSQY....T....ICEQQTERIFDI.....SP	19
NTDB id 1468 ASU2 RS05090 WP 014991734.1	MQY....S....VCDMNSQQVFDI.....SE	18
NTDB id 104560 ARC77 RS19870 WP 001025202.1	MNIPQL.....	6
NTDB id 1436 BW25113 RS00530 WP 001025145.1	MNIPQL.....	6
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAIIRQAELISATQEQAVVTQVSASGTSVPEALLLELSIFHAQELTEQLSHIFGLPETDLSRYDY	69
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSQEESSLLEQVKASGISMPEALLSSGFFQSHETELHSSVFGLSCTSLNQYDY	69
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSTILRQKGLLTFSQEESSLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQYDY	69
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVVTVEQAEHYH.NESQAGKEVLPMFLSDGVISPKSLAALIARVFSYSILDLRHYPR	68
NTDB id 1251 GC085 RS07725 WP 011946523.1	...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAQAQNFVPMPLDINCIDV	77
NTDB id 1018 ACIAD RS01685 WP 004920473.1	...MSAFTTPPKFSGFIRRLVEEGYVNAQNMQALEKAKKFKQDIVPYLIDNFSISPLTIAEIIISLEFGEPLLDLGVFDP	77
NTDB id 1058 ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTGFFRRLVEEKHVSAAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDVYDT	77
consensus	*	

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NTDB id 1028 TT RS08215 WP 011173991.1	DPGAPLLLPEDLCRRYGVFPHRLEGNRLVLLMKDPRNILLALDDVRLALKRKGLNVEVAPAVATEAAITKLTIERFYGKAEL	480
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NTDB id 1355 HI 0298 AAC21962.1	DLWERNQQQQSLILRYFALPLKEENNRLWLGVDSLNLNSACETIAFITGK....PVEPILLESSQLKELLQQLTPNQ	99
NTDB id 1384 A4U84 RS08525 WP 010787006.1	SRWQKNCEEKQLLRLYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHK....QTEPVVVIASDELKYLNLALSPEQ	94
NTDB id 1468 ASU2 RS05090 WP 014991734.1	SLWQKNCEKHLILRLYLAPIQENDDTLWLATDDMNNLSACEIFAFIAHK....TIEPVLISDELKYLNLALSPEQ	93
NTDB id 104560 ARC77 RS19870 WP 001025202.1	TALCLRYQGVLLDASEEVVHVAVVDAPSHELLDALHFATTK....RIEITCWTRQQMEGHA.....	63
NTDB id 1436 BW25113 RS00530 WP 001025145.1	TALCLRYHGVLLDASEEVVHVAVVDAPSHELLDALHFATTK....RIEITCWTRQQMEGHA.....	63
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ANLCQQLGLRELITRYDALPIAKQGNLILLAVSDPTLLQAEEFEFRFATGL....QVELALADHRAALQAATIRRLYGR	144
NTDB id 1401 DSB67 RS12665 WP 010643259.1	ASLCQTLGLRLITIRHNALPLNRTSSTLILAVADPTNLQAEDDFRATGL....QVELVLADFRELTAATIRRLYGR	144
NTDB id 1293 VP RS12240 WP 005479695.1	ASLCQQLGLRELITIRHNALPLHRTPTSTLLAVADPTNLQAEDDFRATGL....QVELVLADFRELSTAIRRLYGR	144
NTDB id 1110 NGFG RS09235 WP 003689817.1	HRVLMGVLTEEQMVFEHCVPVFRRGDKVFFAVSDPTQMPQIKTQVSAAGI....AVELVIVEDDQLAGLLDWVGR	143
NTDB id 1251 GC085 RS07725 WP 011946523.1	GTIPVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKETQFHTGL....NTHAIVVETDKLSALIDNLTAKES	152
NTDB id 1018 ACIAD RS01685 WP 004920473.1	ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNTEAMDAIRFNSKL....KVEPIIVEHDKLERLLSEHFVEETH	152
NTDB id 1058 ABD1 RS01615 WP 001274986.1	SQIPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKL....LVEPVIVEHHKLEKVLGQHFAEES	152
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NTDB id 1028	TT RS08215 WP 011173991.1	SEIAKEF.....AKKQAEEEVPSPLELDESAAQKFKVQVIREAFLQDASDIHIEPRQNDVQVRLRIDGALRP	547
NTDB id 1366	NTHI RS01950 WP 011271972.1	VEEQVK.....FYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQP	162
NTDB id 1355	HI 0298 AAC21962.1	VEEQVK.....FYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQP	162
NTDB id 1384	A4U84 RS08525 WP 010787006.1	IYEESE.....LAFVEQE.QEQLNLNDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHL	157
NTDB id 1468	ASU2 RS05090 WP 014991734.1	LYEETE.....LNYQSPDNLDLLNQNDPIIQILDNLFKFCLXQNASDIHFEPQKEKLQIRLRIDGVLHI	157
NTDB id 104560	ARC77 RS19870 WP 001025202.1	SRTQQTLPVAVQEKHKPKAELLTRTLQSALEQRASDIHIEPADNAYRIRLRIDGVLHP	121
NTDB id 1436	BW25113 RS00530 WP 001025145.1	SRTQQTLPVAVQEKHKPKAELLTRTLQSALEQRASDIHIEPADNAYRIRLRIDGVLHP	121
NTDB id 1168	A1552VC RS11070 WP 000957200.1	GAANQGKEISQ..DELANLVKVSDDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVE	222
NTDB id 1401	DSB67 RS12665 WP 010643259.1	QEKSGLKEINQ..DELAGLVDIGEDEIENIEDLSQDESPVSRFINQVLLDAVRKGASDIHFEPYENMYRVRRLRCDGILIE	222
NTDB id 1293	VP RS12240 WP 005479695.1	HEKSGLKEINQ..EELASLVDVGADIEDNIEDLSQDESPVSRFINQVLLDAVRKGASDIHFEPYEMMYRVRRLRCDGILIE	222
NTDB id 1110	NGFG RS09235 WP 003689817.1	L..LQEL.....GEGQEEEESTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVQDGLRE	212
NTDB id 1251	GC085 RS07725 WP 011946523.1	QGLSEYVEDSGDLEGLEISAD.DEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGLTHE	231
NTDB id 1018	ACIAD RS01685 WP 004920473.1	FNFDTE...ELD...LDVEVDPHTTDDDDDEDDKCLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRVYRVDGVLRL	226
NTDB id 1058	ABD1 RS01615 WP 001274986.1	FDFNDE...EFD...LDVNLDGPTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRVYRVDGVLRL	226
consensus		***** !!!!!!!!!	

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NTDB id 1028	TT RS08215 WP 011173991.1	YSTLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYREG..AIDVDLRLSTLPTVYGEKAVMRLKKASDIPEDIEDLGF	625
NTDB id 1366	NTHI RS01950 WP 011271972.1	QPLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTF.SDILDRLSTLPTHWGEKIVLRAQQNKPVLSFAELGM	241
NTDB id 1355	HI 0298 AAC21962.1	QPLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTF.SDILDRLSTLPTHWGEKIVLRAQQNKPVLSFSELGM	241
NTDB id 1384	A4U84 RS08525 WP 010787006.1	YKLSIQLASRLISRIKLLAKLDISELRQPQDGRFQFSTTAL.ADTLDFRVSSLPTIYGEKIVLRQKNKPTSFDFLQLGF	236
NTDB id 1468	ASU2 RS05090 WP 014991734.1	YKLSLSFSLANRIITRLKLLAKLDISETRLPQDGRFQFNKTVT.AETLDFRVSSLPTSFGEKIVLRQKNKPTHDFLELGF	236
NTDB id 104560	ARC77 RS19870 WP 001025202.1	LPDVSPDAGVALTARLKVGLGNLDIAEHRLPQDGRQFTVELA..GNAVSFRIATLPCRGGKVVRLRLQVVSQALDVNTLGM	199
NTDB id 1436	BW25113 RS00530 WP 001025145.1	LPDVSPDAGVALTARLKVGLGNLDIAEHRLPQDGRQFTVELA..GNAVSFRIATLPCRGGKVVRLRLQVVGQALDVNTLGM	199
NTDB id 1168	A1552VC RS11070 WP 000957200.1	TQQPASHLSRRLAARIKILSKLDIAERRLPQDGRIKRLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLIDIKLGY	301
NTDB id 1401	DSB67 RS12665 WP 010643259.1	IQQPPSHLSRRLSARIKILSKLDIAERRLPQDGRIKRLKLNQ.DTAIDMRVSTLPTLFGKIVLRLLDSSAALINKLGY	301
NTDB id 1293	VP RS12240 WP 005479695.1	TQQPPNHLRRLSARIKILSKLDIAERRLPQDGRIKRLKLNQ.DTAIDMRVSTLPTLFGKIVLRLLDSSASLIDIKLGY	301
NTDB id 1110	NGFG RS09235 WP 003689817.1	VVQPPPIAVRGQLASRIKVMRSLDISEKRIPQDGRMQLTFQKGKGPVDFRVSTLPTLFGKIVMRILNSDAASLNIDQLGF	292
NTDB id 1251	GC085 RS07725 WP 011946523.1	VATPPASLSSRITARIKVMNSLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGF	310
NTDB id 1018	ACIAD RS01685 WP 004920473.1	IATPPLQLATRLASRLKVMSSQMDISEKRVPPQDGRIKLKMSK.SKTIDFRVNSLPTLFGKIVLRILDPASAMLGIDALGY	305
NTDB id 1058	ABD1 RS01615 WP 001274986.1	IANPPLQLANRLASRLKVMSSQMDISEKRVPPQDGRIKLKLSK.SKAIDFRVNSLPTLFGKIVLRILDPSSAMLGIDALGY	305
consensus		***** !!!!!	

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NTDB id 1028	TT RS08215 WP 011173991.1	APGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNQTIEDPVEYEIPGINQTQVNPQAGLTFARALRA	705
NTDB id 1366	NTHI RS01950 WP 011271972.1	TENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPKDHIMTAEDPIEIELDGIQSQINPQIGLDFSRLIRA	321
NTDB id 1355	HI 0298 AAC21962.1	TENQQQAFQVRVLSQPQGLILVTGPTGSGKSISLYTALQWLNTPKDHIMTAEDPIEIELDGIQSQINPQIGLDFNRLRLT	321
NTDB id 1384	A4U84 RS08525 WP 010787006.1	NPQQQTTLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHILTAEDPVEIETDGLIQTVNRSIQLDFSQLLRT	316
NTDB id 1468	ASU2 RS05090 WP 014991734.1	SPEQKQLLITLALHQPQGLILVTGPTGSGKSITLYSALNYLNNSERHILTAEDPIEIEIEGIIQTVNRAIQLDFSQLLRT	316
NTDB id 104560	ARC77 RS19870 WP 001025202.1	QPLQLAGFAHALQQPQGLVLVTGPTGSGKTVTLYSALQKLNTADINICSVEDPVEIPIAGLNQQTQIHPRAGLTFQGVVLA	279
NTDB id 1436	BW25113 RS00530 WP 001025145.1	QPLQLADFAHALQQPQGLVLVTGPTGSGKTVTLYSALQKLNTADINICSVEDPVEIPIAGLNQQTQIHPRAGLTFQGVVLA	279
NTDB id 1168	A1552VC RS11070 WP 000957200.1	NPQQKQLYLINALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRS	381
NTDB id 1401	DSB67 RS12665 WP 010643259.1	SDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRS	381
NTDB id 1293	VP RS12240 WP 005479695.1	SEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRS	381
NTDB id 1110	NGFG RS09235 WP 003689817.1	EPFQKKLLLEATHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIAETAEDPAEINLPGINQVNVNDKQGLTFAAALKS	372
NTDB id 1251	GC085 RS07725 WP 011946523.1	NPVQRTNFKLAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNVNPKAGLTFSGALRS	390
NTDB id 1018	ACIAD RS01685 WP 004920473.1	EPEQKALFMEALNKPQGMILLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNVQVNVNPKVGLTFAAALRS	385
NTDB id 1058	ABD1 RS01615 WP 001274986.1	EEDQKALFMEALDKPQGMILLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKS	385
consensus		***** !!!!!	

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consensus

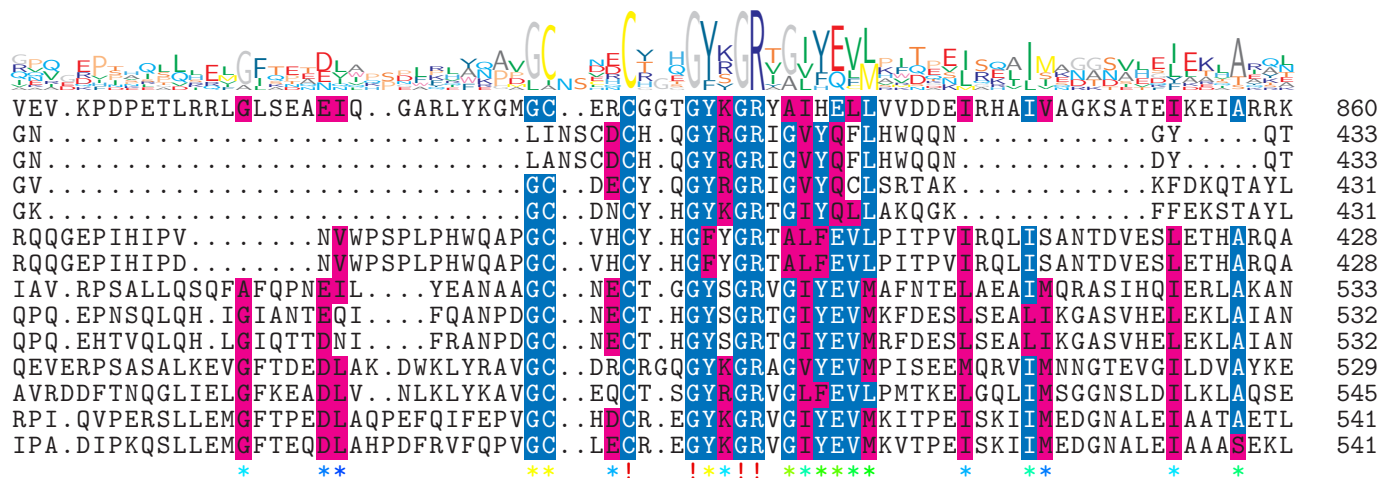
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

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 non conserved
 similar
 $\geq 50\%$ conserved