

logo

NTDB id 1306 DR RS10060 WP 027479822.1	MALSI GDRRLGAILLDQGYLGDN DLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR	80
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 50972 D7S RS08000 WP 005540457.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	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 1306 DR RS10060 WP 027479822.1	SIRPQTALNLQAFPPFALEGDRRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIIVPSGASDA	160
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 50972 D7S RS08000 WP 005540457.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	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 1306 DR RS10060 WP 027479822.1	GRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM	240
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NTDB id 50972 D7S RS08000 WP 005540457.1		0
NTDB id 1366 NTHI RS01950 WP 011271972.1		0
NTDB id 1355 HI 0298 AAC21962.1	.....	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
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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 1306 DR RS10060 WP 027479822.1	LRADALRLLAVPVDETEQGVTVLTSDPRKRPFIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLGEQLVQEGTLSRDQL	320
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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 1306 DR RS10060 WP 027479822.1	REALQVQAREGKVPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLVQSGKLSPEMIARSLAAQLGYEFLDPIQNPP	400
NTDB id 1384 A4U84 RS08525 WP 010787006.1	MSQYT....ICEQQTERTF.....DISP	19
NTDB id 50972 D7S RS08000 WP 005540457.1	MQNLMAGKY....LIHSQNHGDF.....TIAP	23
NTDB id 1366 NTHI RS01950 WP 011271972.1	MTSYALLHTQ....RVTAQNGEITF.....TISP	24
NTDB id 1355 HI 0298 AAC21962.1	MTSYALLHTQ....RVTAQNGEVF.....TISP	24
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAIIRQAELISATQEQAVVTQVSASGTSVPEALLLSIFHAQELTEQLSHIFGLPETDLTRYDY	69
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFQSQEESLLEQVKASGISMPEALLSSGFFQSHLTHELSSVFGLSCTSLNQY	69
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSLIRQKGLITFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQY	69
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVITVEQAHHY.NESQAGKEVLPMFLSDGVISPKSLAALIAARVFSYSILDLRHYPR	68
NTDB id 1251 GC085 RS07725 WP 011946523.1	...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAQNFVGPMLDINCIDV	77
NTDB id 1018 ACIAD RS01685 WP 004920473.1	...MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEITISLEFGEPLLDLVGFDP	77
NTDB id 1058 ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTGFFRRILVEEKHVSAAATMQTALDAAKRAKQDVTAVYLIEEVHLSPLSLAETISAEFAEYPFDLDVYDT	77
consensus		

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NTDB id 1306 DR RS10060 WP 027479822.1	DPKVALMPEATARRVYVVPVRLQGNLSLVAMKDPRNVFALDDLKLITGKETLPVAVMAEKDIIIRLIERFYFGEKGFEKLNK	480
NTDB id 1384 A4U84 RS08525 WP 010787006.1	SRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHKQIEPVVVIASDELKYLLNALSPEQQPIYEE	99
NTDB id 50972 D7S RS08000 WP 005540457.1	ELWLKNQQQQTIVLLRYLALPLAENGQTLWLGLDSLTLNLSACEAFSFLTGTIEPVLIQSQTALQDLSPRVEKVEENQ	103
NTDB id 1366 NTHI RS01950 WP 011271972.1	DLWERNQQQQSLLIRYFALPLKEENNRLWLGVDSLNLISACETIAFITGKPVPEPILLESSQLKELLQQLTPHQMVEEQV	104
NTDB id 1355 HI 0298 AAC21962.1	DLWERNQQQQSLLIRYFALPLKEENNRLWLGVDSLNLISACETIAFITGKPVPEPILLESSQLKELLQQLTPNQMQVEEQV	104
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ANLCQQLGLRELITRYDALPIAKQGNLILLAVSDPTLLQAEDEFRFATGLQVELALADHRAALQAATIRRLYGRSIQGAANQ	149
NTDB id 1401 DSB67 RS12665 WP 010643259.1	ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDEFRFATGLQVELVLADFRELTAATIRRLYGRSLGQEKSG	149
NTDB id 1293 VP RS12240 WP 005479695.1	ASLCQQLGLRELITRHNALPLHRTPTSTLLAVADPTNQAEDDFRATGLQVELVLADFRELSTAIRRLYGRSLSHEKSG	149
NTDB id 1110 NGFG RS09235 WP 003689817.1	HRVLMGVLTTEEQMVFEHCVFVFRRGDKVFFAVSDPTQMPPIQKTVSAAGIAGELVIVEDDQLAGLLLDVGSRSSTSL.LQ	146
NTDB id 1251 GC085 RS07725 WP 011946523.1	GTIPVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSE	157
NTDB id 1018 ACIAD RS01685 WP 004920473.1	ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKLLKVEPIIVEHDKLERLLSEHFVEETHFNFD	157
NTDB id 1058 ABD1 RS01615 WP 001274986.1	SQIPKDLVDQKLLILKHRIPLIQRGQILYVATSNPSNIEAIDAIRFNSKLLVPEVIVEHHKLEKVLGQHFAEESFDFND	157
consensus		

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NTDB id 1306 DR RS10060 WP 027479822.1	EL.....AER..NKTQSQEADLSVADESATVQVVDSTIREAALQDASDIHIETTEDAVKVVRYRIDGALREQNSFP	549
NTDB id 1384 A4U84 RS08525 WP 010787006.1	E.....LAFV..EQEQEQLNLNDPIIQLLDNLFFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLKYKSL	162
NTDB id 50972 D7S RS08000 WP 005540457.1	P.....LFYSALSQEQTQPSDEPIIRLLNDIFESATAQKASDIHLEPQADCLQTRFRIDGVLQVQNTVP	168
NTDB id 1366 NTHI RS01950 WP 011271972.1	K.....FYQH...QETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETADQFQVVRFRIDGVLQPPLIS	167
NTDB id 1355 HI 0298 AAC21962.1	K.....FYQH...QETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETADQFQVVRFRIDGVLQPPLIS	167
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GKEISQ..DELANLVKVSDDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGGASDIHFEPYENQYRIRLRCDGILVETQQPA	227
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LKEINQ..DELAGLVDIGEDEIENIEDLSQDDSPVSRFINQVLLDAVRKGGASDIHFEPYENMYRVRLRCDGILIEIQPP	227
NTDB id 1293 VP RS12240 WP 005479695.1	LKEINQ..EELASLVDVGADEIDNIEDLSQDDSPVSRFINQVLLDAVRKGGASDIHFEPYEKMYRVRLRCDGILIEIQPP	227
NTDB id 1110 NGFG RS09235 WP 003689817.1	EL.....GEGQEEESHTLYIDNEEAEDGVPVRFIHKTLSDALRSGASDIHFEPYEHNARIRFRVDDGQLREVVP	217
NTDB id 1251 GC085 RS07725 WP 011946523.1	YVEDSGDLEGLEISAD.DEDQDIDTATSVTDAPIVKFVNKILLDAIRQGGASDIHFEPYEREYRIRYRQDGLHEVATPP	236
NTDB id 1018 ACIAD RS01685 WP 004920473.1	E...ELD...LDVEVDPHTTDDDDDEDKDKLDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATPP	231
NTDB id 1058 ABD1 RS01615 WP 001274986.1	E...EFD...LDVNLDGPTAQEDEEEAPQGGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRLQIANPP	231
consensus	* ** ***** ** **** !!!!!!!* ****!*!!!!!! *	

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NTDB id 1306 DR RS10060 WP 027479822.1	KGAIAQQIMARLKIMGHLDIAERRVPQDGRVRFK..KGSIDLRLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNY	627
NTDB id 1384 A4U84 RS08525 WP 010787006.1	IQLASRLISRIKLLAKLDISELRQPQDGFQFSFTTAL..ADTLDFRVSSLPTIYGEKLVRLRLQKNKPTSFDFLQLGFNPQQQ	241
NTDB id 50972 D7S RS08000 WP 005540457.1	LSIASRLISRIKLLAKLDISETRLPQDGRFQFKTTF..SDTLDFRLSTLATQFGEKAVLRLQQNRPVQLAFGELGMTESQQ	247
NTDB id 1366 NTHI RS01950 WP 011271972.1	KIFANRIISRIKLLAKLDISENRLPQDGRFQFKTTF..SDILDFRLSTLPTHWGEKIVLRAQQNKPVLSFAELGMTENQQ	246
NTDB id 1355 HI 0298 AAC21962.1	KIFANRIISRIKLLAKLDISENRLPQDGRFQFKTTF..SDILDFRLSTLPTHWGEKIVLRAQQNKPVLSFSELGMTENQQ	246
NTDB id 1168 A1552VC RS11070 WP 000957200.1	SHLSRRLAARIKILSKLDIAERRLPQDGRIRIKRLSR..DTAIDMRVSTLPTLWGEKIVLRLDSSAANLIDDKLGYNPQQK	306
NTDB id 1401 DSB67 RS12665 WP 010643259.1	SHLSRRLSARIKILSKLDIAERRLPQDGRIRIKRLNQL..DTAIDMRVSTLPTLFGKIVLRLLDSSSAALDINKLGYSDSQK	306
NTDB id 1293 VP RS12240 WP 005479695.1	NHLSRRLSARIKILSKLDIAERRLPQDGRIRIKRLNQL..DTAIDMRVSTLPTLFGKIVLRLLDSSSASLDIDKLGYSEQQK	306
NTDB id 1110 NGFG RS09235 WP 003689817.1	IAVRGQLASRIKVMISRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGKIVVMRILNSDAASLNIDQLGFEPFQK	297
NTDB id 1251 GC085 RS07725 WP 011946523.1	ASLSSRITARIKVMISNLDISERRIPQDGGFKMKISK..SRAIDFRVSTCPTSAGEKVMRVLDSGAALKGIEALGFNPVQR	315
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LQLATRLASRLKVMISQMDISEKRVPDGRIKLKMSK..SKTIDFRVNSLPTLFGKIVLRLDPASAMLGIDALGYEPEQK	310
NTDB id 1058 ABD1 RS01615 WP 001274986.1	LQLANRLASRLKVMISQMDISEKRVPDGRIKLKLSK..SKTIDFRVNSLPTLFGKIVLRLDLPSSAMLGIDALGYEEDQK	310
consensus	** ** *!!!!*****!!!!*!!!!!!* **** * *!!!!*****!!!!!!*!!!!!!* ** ** !!* ** *	

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NTDB id 1306 DR RS10060 WP 027479822.1	ARYTEIETERNPGIFLVTGPTGSGKSFTCFSTLKRITAKPEKNTTIEDPIEYVPGIVQSQVNNSTGMTFARALRAFRLQD	707
NTDB id 1384 A4U84 RS08525 WP 010787006.1	TTLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHILTAEDPVEIEIDGLIQTQVNRISQLDQSLRLRTFLRQD	321
NTDB id 50972 D7S RS08000 WP 005540457.1	QCRRALSQPQGLILVTGPTGSGKSISLYTALQYLNTPSEKIHIMTAEDPIEIQLPGLIISQVNPPIGLDQSLRLRTFLRQD	327
NTDB id 1366 NTHI RS01950 WP 011271972.1	QAFQRLSLSQPQGLILVTGPTGSGKSISLYTALQYLNTPDKHIMTAEDPIEIELDGLIISQVNPPIGLDQSLRLRTFLRQD	326
NTDB id 1355 HI 0298 AAC21962.1	QAFQRLVLSQPQGLILVTGPTGSGKSISLYTALQYLNTPDKHIMTAEDPIEIELDGLIISQVNPPIGLDQSLRLRTFLRQD	326
NTDB id 1168 A1552VC RS11070 WP 000957200.1	QLYLINALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFRLQD	386
NTDB id 1401 DSB67 RS12665 WP 010643259.1	QLYLINALKRPQGMILMTGPTGSGKTVSLYTGLSILNKPENISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFRLQD	386
NTDB id 1293 VP RS12240 WP 005479695.1	QLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPENISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFRLQD	386
NTDB id 1110 NGFG RS09235 WP 003689817.1	KLLLEATHRPYGMVLTGPTGSGKTVSLYTGLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFRLQD	377
NTDB id 1251 GC085 RS07725 WP 011946523.1	TNFLKAIQRPQGMILVTGPTGSGKTVTLTYTALNILNTIEVNISTAEDPVEIKVPGINQVNPINPKAGLTFSGALRSFRLQD	395
NTDB id 1018 ACIAD RS01685 WP 004920473.1	ALFMEALNKPPQGMILLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNVQVNVNPKVGLTFAAALRSFRLQD	390
NTDB id 1058 ABD1 RS01615 WP 001274986.1	ALFMEALDKPPQGMILLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKSFRLQD	390
consensus	** ** *!!!!*****!!!!!!******!***** * ****!*!!!!!!* * !!!!!*****! * !*****!!!!!!	

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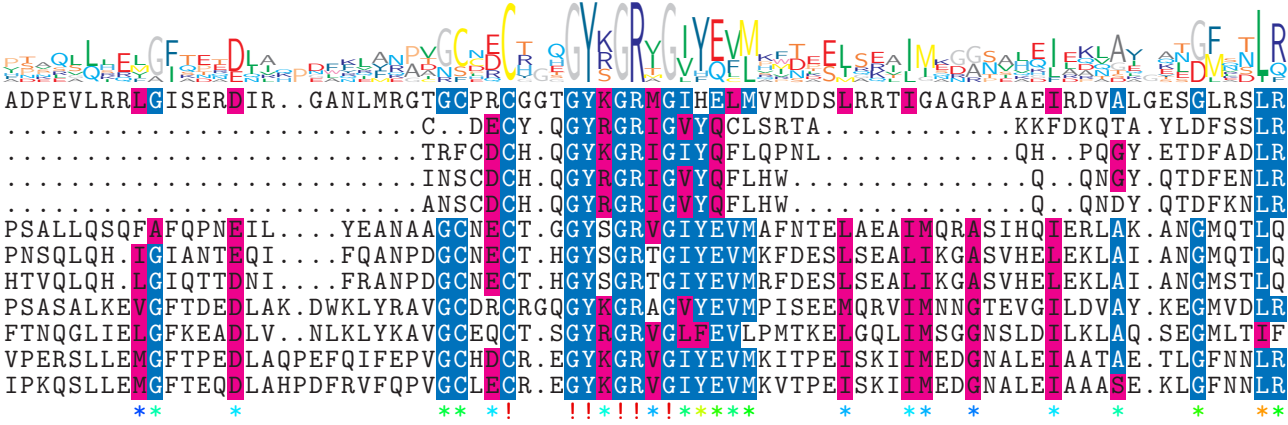
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NTDB id	1293	VP	RS12240	WP	005479695.1
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NTDB id	1251	GC085	RS07725	WP	011946523.1
NTDB id	1018	ACIAD	RS01685	WP	004920473.1
NTDB id	1058	ABD1	RS01615	WP	001274986.1
consensus					



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475
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469

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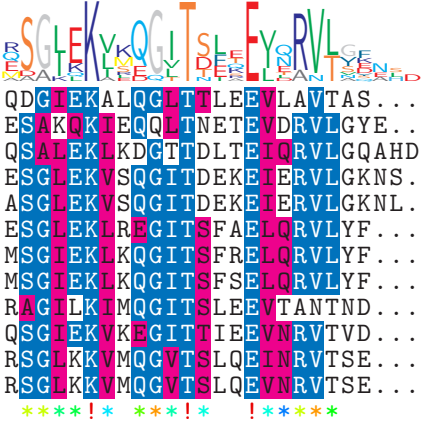
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NTDB id	1018	ACIAD	RS01685	WP	004920473.1
NTDB id	1058	ABD1	RS01615	WP	001274986.1
consensus					



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NTDB id	1384	A4U84	RS08525	WP	010787006.1
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NTDB id	1018	ACIAD	RS01685	WP	004920473.1
NTDB id	1058	ABD1	RS01615	WP	001274986.1
consensus					



887
461
469
464
464
562
561
561
558
574
570
570

☒ non conserved
☒ similar
☒ ≥ 50% conserved