

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
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 161734 ASZ81 RS12415 WP 000957200.1	.....	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 1058 ABD1 RS01615 WP 001274986.1		0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1366 NTHI RS01950 WP 011271972.1		0
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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 1058 ABD1 RS01615 WP 001274986.1		0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 161734 ASZ81 RS12415 WP 000957200.1	.....	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 1058 ABD1 RS01615 WP 001274986.1		0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	LRSDALRYGAVPIGFGQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	6
NTDB id 1028 TT RS08215 WP 011173991.1	LRSDALRYGAVPIGFGQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 161734 ASZ81 RS12415 WP 000957200.1	.....	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 1058 ABD1 RS01615 WP 001274986.1		0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		0

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NTDB id 1410 SGL RS13950 WP 010873519.1	SKKSRAVALRNYFSPFGNKLIVAGGHVDAEQLRQALIVQVKKTGRSLPEELKAVTGRELSPELIRQYKKNQLFELKVLVGVVD	86
NTDB id 1028 TT RS08215 WP 011173991.1	KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQS..GKLRPEALAAQAAAAVATQLGYP	391
NTDB id 1366 NTHI RS01950 WP 011271972.1		21
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NTDB id 1401 DSB67 RS12665 WP 010643259.1		60
NTDB id 1293 VP RS12240 WP 005479695.1		60
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	59
NTDB id 1251 GC085 RS07725 WP 011946523.1	...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKN..KILSAEQIALT.....AAQNFQVP	68
NTDB id 1058 ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTIGFFRRLLVEEKHVSAAATMQTALDAAKRAKQDTPVAYLIEE..VHLSPSLAET.....ISAEFAEP	68
NTDB id 1018 ACIAD RS01685 WP 004920473.1	...MSAFTTPPKFTSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDTPVYLIDN..FSISPLTIAEI.....ISLEFGEP	68
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	SVDPPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAQAQDELNRILRVKGF..ELRRLVVT	164
NTDB id 1028 TT RS08215 WP 011173991.1	YVDPPEEDPPDP.....GAPLLLPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNIALALDDVRLALKRKGLNVEVAPAVAT	463
NTDB id 1366 NTHI RS01950 WP 011271972.1	ISPDL.....WERNQQQSSLLRLRYFALPLKEEN...NRLWLGVDLSLNSACETIAFITG.....KPVEPILLE	82
NTDB id 1355 HI 0298 AAC21962.1	ISPDL.....WERNQQQSSLLRLRYFALPLKEEN...NRLWLGVDLSLNSACETIAFITG.....KPVEPILLE	82
NTDB id 161734 ASZ81 RS12415 WP 000957200.1	ETDLSRYDYAN.....LCQQGLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEFFRFRATG.....LQVELALAD	127
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ETDLSRYDYAN.....LCQQGLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEFFRFRATG.....LQVELALAD	127
NTDB id 1401 DSB67 RS12665 WP 010643259.1	CTSLNQYEYAS.....LCQTLGLRLDITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFRATG.....LQVELVLAD	127
NTDB id 1293 VP RS12240 WP 005479695.1	QPELSQYEYAS.....LCQQGLGLRELITRHNALPLHRTS...STLLLAVADPTNQAEDDFRFRATG.....LQVELVLAD	127
NTDB id 1110 NGFG RS09235 WP 003689817.1	ILDRLHYPRHR.....VLMGVLTEEQMVFEHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG.....LAVELVIVE	126
NTDB id 1251 GC085 RS07725 WP 011946523.1	MLDINCIDVGT.....IPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVE	135
NTDB id 1058 ABD1 RS01615 WP 001274986.1	YFDLDVYDTSQ.....IPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVE	135
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LLDLGVFDPAL.....FLKDKIDEKLIQKYRIMPLVHRG...HVLVYATSNPTNIEAMDIAIRFNSK.....LKVEPIIVE	135
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	QDDFNQLLEQYIAIREEWFAAQEKRDQERALDKLNDLTDIVGSI	DMNLG	EDKEDVDNALDSNDANQAPVINLVNKTILAKA	244	
NTDB id 1028 TT RS08215 WP 011173991.1	EAAITTKLIERFYGKAELSEIAKEF.....	AKKQAE	EEVPSPLELDESAAQKFVKQVIREA	518	
NTDB id 1366 NTHI RS01950 WP 011271972.1	SSQLKELLQQLTPHQMQVEE.....	QVKFYQH	QETHFEQEDDEPVIRLLNQIFESA	133	
NTDB id 1355 HI 0298 AAC21962.1	SSQLKELLQQLTPNQMQVEE.....	QVKFYQH	QETHFEQEDDEPVIRLLNQIFESA	133	
NTDB id 161734 ASZ81 RS12415 WP 000957200.1	HRAALQAAIRRLYGRSIQGAANQGKEISQ...DELA.....NLV.....	KVSDDELQSI	EDLSQDDSPVSRFINQVLLDA	193	
NTDB id 1168 A1552VC RS11070 WP 000957200.1	HRAALQAAIRRLYGRSIQGAANQGKEISQ...DELA.....NLV.....	KVSDDELQSI	EDLSQDDSPVSRFINQVLLDA	193	
NTDB id 1401 DSB67 RS12665 WP 010643259.1	FRELTAAIRRLYGRSLGQEKSGLKKEINQ...DELA.....GLV.....	DIGEDEIENI	EDLSQDES	PVSRFINQVLLDA	193
NTDB id 1293 VP RS12240 WP 005479695.1	FRELSTAIRRLYGRSLSHEKSGLKKEINQ...EELA.....SLV.....	DVGAD	EIDNIEDLSQDES	PVSRFINQVLLDA	193
NTDB id 1110 NGFG RS09235 WP 003689817.1	DDQLAGLIDWVGSRSTSL..LQEL.....G.....EGQ.....	EEEE	SHTLYIDNEEAEDG	VPVRFIHKTLSDA	183
NTDB id 1251 GC085 RS07725 WP 011946523.1	TDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLE.....ISA.....	D.DEDQ	DIDTATSVTDDAPIV	KFVNKILLDA	202
NTDB id 1058 ABD1 RS01615 WP 001274986.1	HHKLEKVLGQHFAEESSFDNDE...EF.D...LD.....VNL.....	DGPTA	QEDEEEAPQGDEAPIV	KYINKLLIDA	197
NTDB id 1018 ACIAD RS01685 WP 004920473.1	HDKLERLLSEHFVEETHFNFDTE...EL.D...LD.....VEV.....	DPHTT	DDDDDEDKDKLDEAPIV	KYINKLLIDA	197
consensus	* ** *** *	*	*	*****!	

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NTDB id 1410 SGL RS13950 WP 010873519.1	LQEGTSDIHVEPQEETLRI	FRKDGVLNQAFDPLPRK	ITPAVVARFKIMADM	IAERRSPQDGKIRRIY..QGRK	VDFRV	322
NTDB id 1028 TT RS08215 WP 011173991.1	FLQDASDIHIEPRQNDVQVRLRIDGALRPYS.TLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYRE..GAIDVDLRL					595
NTDB id 1366 NTHI RS01950 WP 011271972.1	LQKNASDIHLETLADQFQVRFRIDGVLQPPQ.LISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTTF.SDILDRL					211
NTDB id 1355 HI 0298 AAC21962.1	LQKNASDIHLETLADQFQVRFRIDGVLQPPQ.LISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTTF.SDILDRL					211
NTDB id 161734 ASZ81 RS12415 WP 000957200.1	VRKGASDIHFEPYENQYRIRLRC	DGILVETQ.QPASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRV				271
NTDB id 1168 A1552VC RS11070 WP 000957200.1	VRKGASDIHFEPYENQYRIRLRC	DGILVETQ.QPASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRV				271
NTDB id 1401 DSB67 RS12665 WP 010643259.1	VRKGASDIHFEPYENMYRVRLRC	DGILIEIQ.QPPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNLQ.DTAIDMRV				271
NTDB id 1293 VP RS12240 WP 005479695.1	VRKGASDIHFEPYEKMYRVRLRC	DGILIEIQ.QPPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNLQ.DTAIDMRV				271
NTDB id 1110 NGFG RS09235 WP 003689817.1	LRSGASDIHFEPYEHNNARIRFRVDGQLREV.V.QPPIAVRGQLASRIKVM	SRLDISEKRIPQDGRMQLTFQKGGKPVDFRV				262
NTDB id 1251 GC085 RS07725 WP 011946523.1	IRQASDIHFEPYEREYRIRYRQDGLHEVA.TPPASLSSRITARIKVM	SNLDISERRIPQDGGFKMKISK.SRAIDFRV				280
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IRMGASDIHFEPYEKSYRVYRV	DGVLRLQIA.NPPLQLANRLASRLKVM	SQMDISEKRV	PQDGRIKLKLSK.SKAIDFRV		275
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IRMSASDLHFEPYEKSYRVYRV	DGVLRLIA.TPPLQLATRLASRLKVM	SQMDISEKRV	PQDGRIKLKLSK.SKTIDFRV		275
consensus	** **!*!*!* **!*!* !*!* *				*****!*****!*****!*****!*****!*****!	***!*

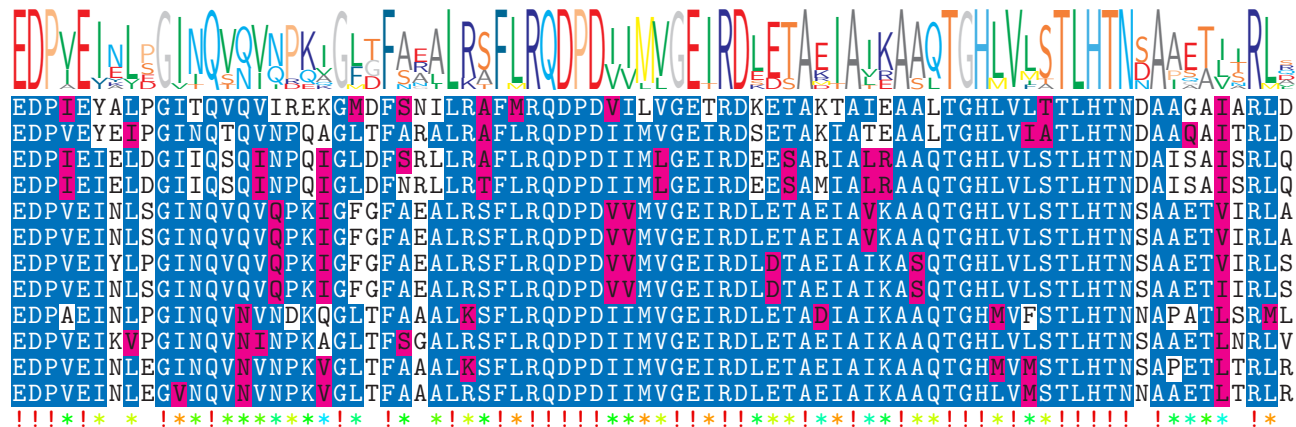
logo

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NTDB id 1028 TT RS08215 WP 011173991.1	STLPTVYGEKAVMRL	LKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNTQTI					675
NTDB id 1366 NTHI RS01950 WP 011271972.1	STLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTA						291
NTDB id 1355 HI 0298 AAC21962.1	STLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTA						291
NTDB id 161734 ASZ81 RS12415 WP 000957200.1	STLPTLWGEKIVLRLDSSAANLDIDKLGYNPQQKQLYLNAL	KRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTA					351
NTDB id 1168 A1552VC RS11070 WP 000957200.1	STLPTLWGEKIVLRLDSSAANLDIDKLGYNPQQKQLYLNAL	KRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTA					351
NTDB id 1401 DSB67 RS12665 WP 010643259.1	STLPTLWGEKIVLRLDSSAANLDIDKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTA						351
NTDB id 1293 VP RS12240 WP 005479695.1	STLPTLWGEKIVLRLDSSAANLDIDKLGYSQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTA						351
NTDB id 1110 NGFG RS09235 WP 003689817.1	STLPTLWGEKVVMRILNSDAASLNDIDQLGFEPFQKKLLLEATHRPYGMVLVTGPTGSGKTVSLYTCLNINLTESVNIATA						342
NTDB id 1251 GC085 RS07725 WP 011946523.1	STCPTSAGEKVVMRVLDSGAACKLGEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNINLTIEVNISTA						360
NTDB id 1058 ABD1 RS01615 WP 001274986.1	NSLPTLWGEKIVLRLDPSAMLGIDALGYEEDQKALFMEALDKPQGMILLITGPTGSGKTVSLYTGLNINLTESVNISTA						355
NTDB id 1018 ACIAD RS01685 WP 004920473.1	NSLPTLWGEKIVLRLDPSAMLGIDALGYEPEQKALFMEALNKPQGMILLITGPTGSGKTVSLYTGLNINLTTEHANISTA						355
consensus	***!***!***!*** *				*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	*****!*****!*****!*****!*****!	*****!*

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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 1355 HI 0298 AAC21962.1
NTDB id 161734 ASZ81 RS12415 WP 000957200.1
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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 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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482
755
371
371
431
431
431
431
422
440
435
435

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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 1355 HI 0298 AAC21962.1
NTDB id 161734 ASZ81 RS12415 WP 000957200.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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561
819
410
410
493
493
492
492
488
505
501
501

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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 1355 HI 0298 AAC21962.1
NTDB id 161734 ASZ81 RS12415 WP 000957200.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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641
889
464
464
562
562
561
561
558
574
570
570

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	KRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	464
NTDB id 1355 HI 0298 AAC21962.1	.....	464
NTDB id 161734 ASZ81 RS12415 WP 000957200.1	.....	562
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved