

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 126281 IR04 RS17280 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	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 126281 IR04 RS17280 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	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 126281 IR04 RS17280 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 126281 IR04 RS17280 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..GKLRPEALAAQA.....VATQLGYP	391
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	21
NTDB id 1355 HI 0298 AAC21962.1	.....	21
NTDB id 126281 IR04 RS17280 WP 000957200.1	.....	60
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	60
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	...MALATEEYRLQGIQQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKN..KILSAEQIALT.....AAQNFQVP	68
NTDB id 1058 ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTIGFFRRLLVEEKHVSAAATMQTALDAAKRAKQDTPVAYLIEE..VHLSPSLLAET.....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...NRLVLLMKDPRNILALDDVRLALKRKGLNVEVAPAVAT	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 126281 IR04 RS17280 WP 000957200.1	ETDLRSRYDYAN.....LCQQGLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEFFRFRATG.....LQVELALAD	127
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ETDLRSRYDYAN.....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.....VLMGVLTEEQMVFEHCVFVFRRG...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.....LKVEPTIVE	135
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	QDDFNQLIEQYIAIREEWFAAQEKRDQERALDKLNDLTDIVGSLDMNLG	EDKEDVDNALDSNDANQAPVINLVNKLILAKA	244
NTDB id 1028 TT RS08215 WP 011173991.1	EAAITTKLIERFYGKAELSEIAKEF.....	AKKQAEIEVPSPLELDESAAQKFVKQVIREA	518
NTDB id 1366 NTHI RS01950 WP 011271972.1	SSQLKELLQQLTPHQMQVEE.....	QVKFYQHQETHFEQEDDEPVIRLLNQIFESA	133
NTDB id 1355 HI 0298 AAC21962.1	SSQLKELLQQLTPNQMQVEE.....	QVKFYQHQETHFEQEDDEPVIRLLNQIFESA	133
NTDB id 126281 IR04 RS17280 WP 000957200.1	HRAALQAAIRRLYGRSIQGAANQGKEISQ...DELA.....NLV.....	KVSDDELQSIEDLSQDDSPVSRFINQVLLDA	193
NTDB id 1168 A1552VC RS11070 WP 000957200.1	HRAALQAAIRRLYGRSIQGAANQGKEISQ...DELA.....NLV.....	KVSDDELQSIEDLSQDDSPVSRFINQVLLDA	193
NTDB id 1401 DSB67 RS12665 WP 010643259.1	FRELTAAIRRLYGRSLGQEKSGLKEINQ...DELA.....GLV.....	DIGEDEIENIEDLSQDES PVSRYINQILLDA	193
NTDB id 1293 VP RS12240 WP 005479695.1	FRELSTAIRRLYGRSLSHEKSGLKEINQ...EELA.....SLV.....	DVGADEIDNIEDLSQDES PVSRYINQILLDA	193
NTDB id 1110 NGFG RS09235 WP 003689817.1	DDQLAGLLDWVGSRSTSL..LQEL.....G.....EGQ.....	EEEESTLYIDNEEAEDGPVPRFIHKTLSDA	183
NTDB id 1251 GC085 RS07725 WP 011946523.1	TDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLE.....ISA.....	D.DEDQDIDTATSVTDDAPIVKFVNKILLDA	202
NTDB id 1058 ABD1 RS01615 WP 001274986.1	HHKLEKVLGQHFAEESSFDNFDE...EF.D...LD.....VNL.....	DGPTAQEDEEEAPQGDEAPIVKYINKLLIDA	197
NTDB id 1018 ACIAD RS01685 WP 004920473.1	HDKLERLLSEHFVEETHFNFDTE...EL.D...LD.....VEV.....	DPHTTDDDDDEDKDKLDEAPIVKYINKLLIDA	197
consensus	* ** *** *	* ** *	*****!

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NTDB id 1410 SGL RS13950 WP 010873519.1	IQEGTSDIHVEPQEETLRIFRKDGVLNQAFDPLPRKITPAVVARFKIMADM	IAERRSPQDGIIRRIY..QGRKVDFRV	322
NTDB id 1028 TT RS08215 WP 011173991.1	FLQDASDIHIEPRQNDVQVRLRIDGALRPYS.TLPKGALNAVISVVKIMGGLN	IAEKRLPQDGRVRYRE..GAIDVDLRL	595
NTDB id 1366 NTHI RS01950 WP 011271972.1	LQKNASDIHLETLADQFQVRFRIDGVLQPPQ.LISKIFANRIISRLKLLAKLD	ISENRLPQDGRFQFKTTTF.SDILDRL	211
NTDB id 1355 HI 0298 AAC21962.1	LQKNASDIHLETLADQFQVRFRIDGVLQPPQ.LISKIFANRIISRLKLLAKLD	ISENRLPQDGRFQFKTTTF.SDILDRL	211
NTDB id 126281 IR04 RS17280 WP 000957200.1	VRKGASDIHFEPYENQYRIRLRCDCGILVETQ.QPASHLSRRLAARIKILSKLD	IAERRLPQDGRIKRLLSR.DTAIDMRV	271
NTDB id 1168 A1552VC RS11070 WP 000957200.1	VRKGASDIHFEPYENQYRIRLRCDCGILVETQ.QPASHLSRRLAARIKILSKLD	IAERRLPQDGRIKRLLSR.DTAIDMRV	271
NTDB id 1401 DSB67 RS12665 WP 010643259.1	VRKGASDIHFEPYENMYRVRLRCDCGILIEIQ.QPPSHLSRRLSARIKILSKLD	IAERRLPQDGRIKLKLNLQ.DTAIDMRV	271
NTDB id 1293 VP RS12240 WP 005479695.1	VRKGASDIHFEPYEKMYRVRLRCDCGILIEIQ.QPPSHLSRRLSARIKILSKLD	IAERRLPQDGRIKLKLNLQ.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	IRMGASDIHFEPYEKSYRVRYRVDGVLRLQIA.NPPLQLANRLASRLKVM	SQMDISEKRVPPQDGRIKLKLK.SKAIDFRV	275
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IRMSASDLHFEPYEKSYRVRYRVDGVLRLIA.TPPLQLATRLASRLKVM	SQMDISEKRVPPQDGRIKLKLK.SKTIDFRV	275
consensus	** *!!!!!!**	***!!	!!!!

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NTDB id 1410 SGL RS13950 WP 010873519.1	NTLPSRYGEKVCLRIILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLV	TGPTGSGKSTTLYSVLAERNSP	EVNINTA	402
NTDB id 1028 TT RS08215 WP 011173991.1	STLPTVYGEKAVMRLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLIT	TGPTGSGKSFTTFSILKRIATPDKNTQTI		675
NTDB id 1366 NTHI RS01950 WP 011271972.1	STLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAFQRSLSQPQGLILVT	TGPTGSGKSISLYTALQWLNTPDKHIMTA		291
NTDB id 1355 HI 0298 AAC21962.1	STLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAFQRSLSQPQGLILVT	TGPTGSGKSISLYTALQWLNTPDKHIMTA		291
NTDB id 126281 IR04 RS17280 WP 000957200.1	STLPTLWGEKIVLRLDSSAANLIDDKLGYNPQQKQLYLNALKRPPQGMILMT	TGPTGSGKTVSLYTGLRILNTSQINISTA		351
NTDB id 1168 A1552VC RS11070 WP 000957200.1	STLPTLWGEKIVLRLDSSAANLIDDKLGYNPQQKQLYLNALKRPPQGMILMT	TGPTGSGKTVSLYTGLRILNTSQINISTA		351
NTDB id 1401 DSB67 RS12665 WP 010643259.1	STLPTLWGEKIVLRLDSSAANLIDDKLGYSDSQKQLYLDALRRPQGMILMT	TGPTGSGKTVSLYTGLSILNKPEINISTA		351
NTDB id 1293 VP RS12240 WP 005479695.1	STLPTLWGEKIVLRLDSSAANLIDDKLGYSEQQKQLYLEALRRPQGMILMT	TGPTGSGKTVSLYTGLNILNKPEINISTA		351
NTDB id 1110 NGFG RS09235 WP 003689817.1	STLPTLWGEKIVLRLDSSAANLIDDLGTFEPFQKKLLLEATHRPYGMVLVT	TGPTGSGKTVSLYTCLNILNTESVNIATA		342
NTDB id 1251 GC085 RS07725 WP 011946523.1	STCPTSAGEKVVMRVLDSGAACKLGEALGFNPVQRTNFKLAIQRPQGMILVT	TGPTGSGKTVTLYTALNINLTIEVNISTA		360
NTDB id 1058 ABD1 RS01615 WP 001274986.1	NSLPTLWGEKIVLRLDPSAAMLGIDALGYEEDQKALFMEALDKPQGMILLIT	TGPTGSGKTVSLYTGLNINLTESVNISTA		355
NTDB id 1018 ACIAD RS01685 WP 004920473.1	NSLPTLWGEKIVLRLDPSAAMLGIDALGYEPEQKALFMEALNKPQGMILLIT	TGPTGSGKTVSLYTGLNINLTTEHANISTA		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
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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consensus

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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
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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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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 126281 IR04 RS17280 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