

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 224384 B7L45 RS17785 WP 001274990.1	.....	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	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 224384 B7L45 RS17785 WP 001274990.1	.....	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	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVDPDPSAALLL	240
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 224384 B7L45 RS17785 WP 001274990.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

NTDB id 1410 SGL RS13950 WP 010873519.1	MTSSSS	6
NTDB id 1028 TT RS08215 WP 011173991.1	LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARYLALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 224384 B7L45 RS17785 WP 001274990.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

NTDB id 1410 SGL RS13950 WP 010873519.1	SKKSRAVALRNYFS	PFGNKL	VLAGH	VDVDAEQLRQALVQVKKTGRSLPEELKAVTGREL	SPELIRQYKKNQLFELKVLYGVD	86
NTDB id 1028 TT RS08215 WP 011173991.1	KEALEVQKGLPRAKPLGEILVELGIARPEDVEEALQKQR	RGGGRLEDTLVQ..SGKLRPEALAGA.....VATQLGYP	391			
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAILRQAELISATQEAVVTQVSASGT	SVPEALLE..LSIFHAQELTEQ.....LSHFGLP	60			
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSTILRQGLLTFSQEESLIEQVKASGISMP	EALLS..SGFFTSSELAEH.....LSSIFGLS	60			
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRRAGILTFSQEESLLEQVKASGISM	PAALLS..SGFFQSHELTEH.....LSSVFGLS	60			
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLRLIVQNQVVITVEQAEHY..NESQAK	GKEVLPMLFS..DGVISPKSLAAL.....IARVFSYS	59			
NTDB id 1251 GC085 RS07725 WP 011946523.1	...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHLKLA	AAEKISLLQYIVK..NKILSAEQIALT.....AAQNFGVP	68			
NTDB id 224384 B7L45 RS17785 WP 001274990.1	...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAK	RAKQDTVAYLIE..EVHLSPSLLAET.....ISAFAEP	68			
NTDB id 1058 ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAK	RAKQDTVAYLIE..EVHLSPSLLAET.....ISAFAEP	68			
NTDB id 1018 ACIAD RS01685 WP 004920473.1	...MSAFTTPPKFSGFIIRLVEEGYVNAQNMQQALEKA	KFKQDLVPPYLID..NFSLSPLTIAEI.....ISLEFGEP	68			
consensus	*	* * * *	! * *	* * * * *	* * * * *	* * * * *

NTDB id 1410 SGL RS13950 WP 010873519.1	SVDPEVAPIATQQMAELIGRFFPLDTCR RFKF LPLAQEGEDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRLVVT	164
NTDB id 1028 TT RS08215 WP 011173991.1	YVDPEEDPPDP....GAPLLIPEDLCRRYGVFPHRLE...GNRLVLMLMKDPRNILALDDVRLALKRKGLN YEV APAVAT	463
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ETDLSRYDYAN....LCQQGLGLRELITRYDALPIAKQ...GNLLLLAVSDPTLLQAE EEF RFATG.....LQVELALAD	127
NTDB id 1293 VP RS12240 WP 005479695.1	QP EL SQY EY EAS....LCQQGLGLRELITRHNA L PLHRT...PSTLLAVADPTNQQAEDDFRFATG.....LQVELVLAD	127
NTDB id 1401 DSB67 RS12665 WP 010643259.1	CTSLNQY EY EAS....LCQTLGLRLDITRHNA L PLNRT...SSTLILAVADPTNIQAEDDFRFATG.....LQVELVLAD	127
NTDB id 1110 NGFG RS09235 WP 003689817.1	ILDLRHYPRHR....VLMGVLT EE EQMVEFHCVPVFR...GDKVFFAVSDPTQMPQIQKTVSAAG.....I A VELVIVE	126
NTDB id 1251 GC085 RS07725 WP 011946523.1	MLD I NCIDVGT....IPVNLVNEKLIK R HAMVPLFSR...GTNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVE	135
NTDB id 224384 B7L45 RS17785 WP 001274990.1	YFDLDVYDTSQ....IPKDLVDQKLILK H RIPLIQR...GQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVE	135
NTDB id 1058 ABD1 RS01615 WP 001274986.1	YFDLDVYDTSQ....IPKDLVDQKLILK H RIPLIQR...GQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVE	135
NTDB id 1018 ACIAD RS01685 WP 004920473.1	L L DLGVFDPAL....FLKDKIDEKLIQKYRIMPLVHR...GHVLYVATSNPTNIEAMDAIRFNSK.....LKVEPIVE	135
consensus	*** ** *	

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NTDB id 1410 SGL RS13950 WP 010873519.1	QDDFNQLIEQYVAIREEWFAAQEKRDQERALDKLNDLTDIVGSIDMNLG	EDKEDVDNALDSNDANQAPVINLVNKILAKA	244
NTDB id 1028 TT RS08215 WP 011173991.1	EAAITTKLIERFYGKAELSIAKEF.....	AKKQAEIEVPSPLELDESAAQKFVKQVIREA	518
NTDB id 1168 A1552VC RS11070 WP 000957200.1	HRALQAAIRRLYGRSISQGAANQGK..EI.SQDELANL.....	VKVSDDQLQSTIEDLSQDDSPVSRFINQVLLDA	193
NTDB id 1293 VP RS12240 WP 005479695.1	FRELSTAIRRLYGRSLSHEKSGLK..EI.NQEELASL.....	VDVGADEIDNIEDLSQDESVPVSRYINQILLDA	193
NTDB id 1401 DSB67 RS12665 WP 010643259.1	FRELTAAIRRLYGRSLGQEKSGLK..EI.NQDELAGL.....	VDIGEDEIENIEDLSQDESVPVSRYINQILLDA	193
NTDB id 1110 NGFG RS09235 WP 003689817.1	DDQLAGLLDWVGSFSTSL..LQEL.....	GEG.....QEEEEHSHTLYIDNEEAEDGPVPRFIHKHTLSDA	183
NTDB id 1251 GC085 RS07725 WP 011946523.1	TDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLEIS.....	AD.DEDQDIDTATSVTDDAPIVKFVNKILLDA	202
NTDB id 224384 B7L45 RS17785 WP 001274990.1	HHKLEKVLGQHFAEESSFDFNDE...EF.D...LDVN.....	LDGPTTQEDEEEAPQGDEAPIVKYINKLLIDA	197
NTDB id 1058 ABD1 RS01615 WP 001274986.1	HHKLEKVLGQHFAEESSFDFNDE...EF.D...LDVN.....	LDGPTAQEDEEEAPQGDEAPIVKYINKLLIDA	197
NTDB id 1018 ACIAD RS01685 WP 004920473.1	HDKLERLLSEHFVEETHFNFDT...EL.D...LDVE.....	VDPHTTDDDDDEDKDKLDEAPIVKYINKLLIDA	197
consensus	* ** **** * * *	** ***** *	*****!!!!

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NTDB id 1410 SGL RS13950 WP 010873519.1	LQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQ..GRKVDFRV	322
NTDB id 1028 TT RS08215 WP 011173991.1	FLQDASDIHIEPRQNDVQVRLRIDGALRPYSTL.PKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYR..EGAIDVDLRL	595
NTDB id 1168 A1552VC RS11070 WP 000957200.1	VRKGASDIHFEPYENQYRIRLRCDGILVETQQP.ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRV	271
NTDB id 1293 VP RS12240 WP 005479695.1	VRKGASDIHFEPYEKMYRVRLRCDGILVETQQP.PNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRV	271
NTDB id 1401 DSB67 RS12665 WP 010643259.1	VRKGASDIHFEPYENMYRVRLRCDGILVETQQP.PSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRV	271
NTDB id 1110 NGFG RS09235 WP 003689817.1	LRSGASDIHFEFYEHNARIRFRVDGQLREVVQP.PIAVRGQLASRIKVM SRLDISEKRIPQDGRMQLTFQKGGKPVDFRV	262
NTDB id 1251 GC085 RS07725 WP 011946523.1	IRQGASDIHFEPYEREYRIRYRQDGLHEVATP.PASLSRITARIKVM SNLDISERRIPQDGGFKMKISK.SRAIDFRV	280
NTDB id 224384 B7L45 RS17785 WP 001274990.1	IRMGASDLHFEPYEKSYRVRYRVDGMLRQIANP.PLQLANRLASRLKVM SQMDISEKRVPPQDGRIKLKLSK.SKAIDFRV	275
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IRMGASDLHFEPYEKSYRVRYRVDGVLRLQIANP.PLQLANRLASRLKVM SQMDISEKRVPPQDGRIKLKLSK.SKAIDFRV	275
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IRMSASDLHFEPYEKSYRVRYRVDGVLRLIATP.PLQLATRLASRLKVM SQMDISEKRVPPQDGRIKLKMSK.SKIDFRV	275
consensus	** **!!*!*!*!* * * * * *	* * * * * * * * * * * * * * * * *

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NTDB id 1410 SGL RS13950 WP 010873519.1	NTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNINTA	402
NTDB id 1028 TT RS08215 WP 011173991.1	STLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVTSKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNTQTI	675
NTDB id 1168 A1552VC RS11070 WP 000957200.1	STLPTLWGEKIVLRLLDSSAANLDDIDKLGYNPQQKQLYLEALNRKPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTA	351
NTDB id 1293 VP RS12240 WP 005479695.1	STLPTLWGEKIVLRLLDSSASLDDIDKLGYSSEQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTA	351
NTDB id 1401 DSB67 RS12665 WP 010643259.1	STLPTLWGEKIVLRLLDSSAALDDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTA	351
NTDB id 1110 NGFG RS09235 WP 003689817.1	STLPTLWGEKIVMRILNSDAASLNIDQLGFEPFQKKLLLEATHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATA	342
NTDB id 1251 GC085 RS07725 WP 011946523.1	STCPTSAGEKIVMRVLDSGAAKLGIEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTA	360
NTDB id 224384 B7L45 RS17785 WP 001274990.1	NSLPTLWGEKIVLRILDPSSAMLGIDALGYEEDQKALFMEALDKPQGMILLITGPTGSGKTVSLYTGLNILNTESSNISTA	355
NTDB id 1058 ABD1 RS01615 WP 001274986.1	NSLPTLWGEKIVLRILDPSSAMLGIDALGYEEDQKALFMEALDKPQGMILLITGPTGSGKTVSLYTGLNILNTESSNISTA	355
NTDB id 1018 ACIAD RS01685 WP 004920473.1	NSLPTLWGEKIVLRILDPASAMLGIDALGYEPEKQALFMEALNKPQGMILLITGPTGSGKTVSLYTGLNILNTEHANISTA	355
consensus	***!***!!	

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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 224384 B7L45 RS17785 WP 001274990.1
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
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 224384 B7L45 RS17785 WP 001274990.1
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 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 224384 B7L45 RS17785 WP 001274990.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved