

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSXLSIGDRRLGAALLDRLDNLQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	80
NTDB id 1306 DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNLDLQRALERHSEVGGRLADVLLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
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 235706 CD797 RS28055 WP 023094327.1	.....	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	SLTPAEKAKELRAIPFALDEEAGVVRVAFLNPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1306 DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIIVVPSGA	157
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 235706 CD797 RS28055 WP 023094327.1	.....	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	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	0
NTDB id 1028 TT RS08215 WP 011173991.1	SDAGRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	237
NTDB id 1306 DR RS10060 WP 027479822.1	.....	237
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 235706 CD797 RS28055 WP 023094327.1	.....	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	MTS	3
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARYLALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
NTDB id 1306 DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRDPIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLLGEQLVQEGTLSR	317
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 235706 CD797 RS28055 WP 023094327.1	.....	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	SSSSKKSRVALRNYFSPFGNKL VAGCHVDAEQ L RQALVQV KKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLV	83
NTDB id 1028 TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGETLVELGIARPEDVEEALQKQRGGGRIEDTLV..QSGKLRPEALAQAV.....ATQL	388
NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGGEVITELGFASPDVEVDSALQKQNVGGRIEDTLV..QSGKLSPEMLARSL.....AAQL	388
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAILRQAE LISATGEQAVVTQVSASGTSVPEALL..ELSFHAQELTEQL.....SHIF	57
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSTILRQKGLTFSQEESLIEQVKASGISMPEALL..SSGFFTISSELAEHL.....SSIF	57
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALL..SSGFFQSHELTEHL.....SSVF	57
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVVTVEQA EHYYNES.QAGKEVLPMLF..SDGVI SPKSLAALI.....ARVF	56
NTDB id 1251 GC085 RS07725 WP 011946523.1	MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIV..KNKILSAEQIALTA.....AQNF	65
NTDB id 235706 CD797 RS28055 WP 023094327.1	MNDSIQLSGLSRQLVQANLLDEKTA LQAQAQARNKLSLVTHLV..QNKLVSGLALAELS.....AEQF	62
NTDB id 1058 ABD1 RS01615 WP 001274986.1	MSALHTSPKFTGFFRRLVEEKHVS AATMQTALDAAKRAKQDTVAYLI..EEVHLSPSLLAETI.....SAEF	65
NTDB id 1018 ACIAD RS01685 WP 004920473.1	MSAFTTPPKFSGFIRRLVEEGYVNAQNMQALEKAKKFKQDTPVPLYI..DNFSTISPLTIAEII.....SLEF	65
consensus	* * * * *	

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NTDB id 1410 SGL RS13950 WP 010873519.1	GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRL	161
NTDB id 1028 TT RS08215 WP 011173991.1	GYPYVDPEEDPPD....PGAPLLLPEDLCRRYGVFPHRLEG...NRLVLMLKDPNRNIALDDVRLALKRKGLNYEVAPA	460
NTDB id 1306 DR RS10060 WP 027479822.1	GYEFLDPIQNPPD....PKVALMIP EATARRV VVPVRLQG...NSLVVAMKDPNRNVFALDDLKLITG....KEILPA	455
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GLPETDLRSYDYA....NLCQQGLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAE EEF RFATG....LQVELA	124
NTDB id 1293 VP RS12240 WP 005479695.1	GLSQPELSQYEYA....SLCQQGLGLRELITRHNALPLHRTP...STLLLAVADPTNQQAEDDFRFATG....LQVELV	124
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GLSCTSLNQYEYA....SLCQTGLGLRLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFATG....LQVELV	124
NTDB id 1110 NGFG RS09235 WP 003689817.1	SYSILDLRHYPRH....RVLMLGVLTEEQMV E FHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG....I AVELV	123
NTDB id 1251 GC085 RS07725 WP 011946523.1	GVPMLDINCIDVG....TIPVNLVNEKLIK RHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG....LNTHAI	132
NTDB id 235706 CD797 RS28055 WP 023094327.1	GIAYCDLNSLDKE....SFPRDTISEKLVQRHVIPLWRRG...NKL FVGISDPANHQAINDVQFSTG....LTTEAI	129
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AEPYFDLDVYDTS....QIPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFN SK....LKV EPI	132
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GEPLIDLGVFDPA....LFLKDKID EKLIQKYRIMPLVHRG...HVLVYVATSNPTNIEAMDAIRFN SK....LKV EPI	132
consensus	* * * * *	

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NTDB id 1410	SGL RS13950 WP 010873519.1	VVTQDDFNQLLEQYIAIREEWEEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDDKEDVDNALDSNDANQAPVINLVNKTIL	241
NTDB id 1028	TT RS08215 WP 011173991.1	VATEAAITTKLIERFYGKAELSEIA..KEFA.....KKQAEVEV...PSPLELDESAAQKFVKQVI	515
NTDB id 1306	DR RS10060 WP 027479822.1	VMAEKDIIRLIERFYGKGFELKN..KELA.....ERNKTQQS..QEAADLSVADESATVQVDSII	512
NTDB id 1168	A1552VC RS11070 WP 000957200.1	LADHRALQAAIRRLYGRSIIQGAANQGKEISQDEL.....ANLVKVSDELQ..SIEDLSQDDSPVSRFINQVL	190
NTDB id 1293	VP RS12240 WP 005479695.1	LADFRELSTAIRRLYGRSLSHEKSGLKEINQEEL.....ASLVDVGADRID..NIEDLSQDESPPVSRFINQIL	190
NTDB id 1401	DSB67 RS12665 WP 010643259.1	LADFRELTAAIRRLYGRSLGQEKSGLKEINQDEL.....AGLVDIGEDEIE..NIEDLSQDESPPVSRFINQIL	190
NTDB id 1110	NGFG RS09235 WP 003689817.1	IVEDDQLAGLLDWVGSRSSTSL.LQ...ELGEG.....QEEEEESHTLYIDNEEAEDGPPVPRFIHKTIL	180
NTDB id 1251	GCO85 RS07725 WP 011946523.1	VVETDKLSALIDNLLTAKESQGLS...EYVEDSGD.....L...EGLAISADDEDQDIDTATSVTDDAPIVVKFVNKIL	199
NTDB id 235706	CD797 RS28055 WP 023094327.1	LVEDDKLGLAIDKLFESATDG.....LAGLDDVD.....L...EGLDIGSADKSTQ.EDASAEADDAPVVRVFNKML	192
NTDB id 1058	ABD1 RS01615 WP 001274986.1	IVEHHKLEKVLGQHFEESSF.....DFNDEEFD.....L...DV.NLDGPTAQED.EEEAPQGDEAPIVKYINKLL	194
NTDB id 1018	ACIAD RS01685 WP 004920473.1	IVEHDKLERLLSEHFVEETHF.....NFDTEELD.....L...DV.EVDPHTTDDD.DEDDKLKDEAPIVKYINKLL	194
consensus		*** * ***** ** *** * ****	

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NTDB id 1410	SGL RS13950 WP 010873519.1	AKALQEGTSDIHVEPQETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMEDIAERRSPQDGKIRRIYQ..GRKVD	319
NTDB id 1028	TT RS08215 WP 011173991.1	REAFLLQDASDIHIEPRQNDVQVRLRIDGALRPYST.LPKGALNAVISVVKIMGGNLIAEKRLPQDGRVRY..REGAIDVD	592
NTDB id 1306	DR RS10060 WP 027479822.1	REAAALQDASDIHIEETTEDAVKVRVIRIDGALREQNS.FPKGAAQIMARLKIMGHLDIAERRVPQDGRVRF..KKGSIDLD	589
NTDB id 1168	A1552VC RS11070 WP 000957200.1	LDAVRKGGASDIHFEPYENQYRIRLRCGDIIVETQQ.PASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAID	268
NTDB id 1293	VP RS12240 WP 005479695.1	LDAVRKGGASDIHFEPYEKMYRVRLRCGDIILIEIETQQ.PPNHLSRRLSARIKILSKLDIAERRLPQDGRIKLRINQ.DTAID	268
NTDB id 1401	DSB67 RS12665 WP 010643259.1	LDAVRKGGASDIHFEPYENMYRVRLRCGDIILIEIETQQ.PPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLRINQ.DTAID	268
NTDB id 1110	NGFG RS09235 WP 003689817.1	SDALRSGASDIHFEPYEHNARIRFRVDGQLREVVV.PPIAVRGQLASRIKVMISRLDISEKRIPQDGRMQLTFFQKGGKPV	259
NTDB id 1251	GCO85 RS07725 WP 011946523.1	LDAIRQGGASDIHFEPYEREYRIRYRQDGIILHEVAT.PPASLSSRITARIKVMISNLDISERRIPQDGGFKMKISK.SRAID	277
NTDB id 235706	CD797 RS28055 WP 023094327.1	LDAIKGSSDLHFEPYEKIYRVRFRTDGMLEHVAK.PPIQLASRISARLKVMAGLDISERRKPPQDGRIMRVSK.TKSID	270
NTDB id 1058	ABD1 RS01615 WP 001274986.1	IDAIRMGASDLHFEPYEKSYRVRYRVVDGVLRLQIAN.PPLQLANRLASRLKVMISQMDISEKRVPPQDGRIKLRKLSK.SKAID	272
NTDB id 1018	ACIAD RS01685 WP 004920473.1	IDAIRMSASDLHFEPYEKSYRVRYRVVDGVLRLIAT.PPLQLATRLASRLKVMISQMDISEKRVPPQDGRIKLRKMSK.SKTID	272
consensus		***!*** **!*!***!*** **!*!?!?!*! * * ** **!*!*** **!*!***!?!?!?!***** * * *! *	

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NTDB id 1410	SGL RS13950 WP 010873519.1	FRVNTLPSTRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNNSPEVNI	399
NTDB id 1028	TT RS08215 WP 011173991.1	LRLSTLPSTVYGEKAVMRLLKKAASDIPEIEDLGFAPGVFERFKEVITSKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNT	672
NTDB id 1306	DR RS10060 WP 027479822.1	LRLSTLPSTVYGEKAVMRLLKQASNIPELEQLGFSEYNYARYTEIIERPNIGIFLVTGPTGSGKSFTCFSTLKRITAKPEKNT	669
NTDB id 1168	A1552VC RS11070 WP 000957200.1	MRVSTLPSTLWGEKIVLRLLDSSAANLIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNNTSQINI	348
NTDB id 1293	VP RS12240 WP 005479695.1	MRVSTLPSTLWGEKIVLRLLDSSASLIDKLGYSQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPENI	348
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MRVSTLPSTLWGEKIVLRLLDSSAALDINKLGYSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPENI	348
NTDB id 1110	NGFG RS09235 WP 003689817.1	FRVSTLPSTLWGEKVVMRILNSDAASLNDQLGFEFPQKKLLLEATHRPYGMVLVTGPTGSGKTVSLYTCLNINLTESVNI	339
NTDB id 1251	GCO85 RS07725 WP 011946523.1	FRVSTCPTSAGEKVVMRVLDSGAAKLGEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNINLTIEVNI	357
NTDB id 235706	CD797 RS28055 WP 023094327.1	FRVNTLPSTLWGEKIVMRILDSSSAQMGIDALGYEEDQKELYLAALKQPQGMILVTGPTGSGKTVSLYTGLNINLTNTDINI	350
NTDB id 1058	ABD1 RS01615 WP 001274986.1	FRVNSLPSTLWGEKIVLRLIDPSSAMLGIDALGYEEDQKALFMEALDKPQGMILLITGPTGSGKTVSLYTGLNINLTENNI	352
NTDB id 1018	ACIAD RS01685 WP 004920473.1	FRVNSLPSTLWGEKIVLRLIDPSSAMLGIDALGYEEDQKALFMEALDKPQGMILLITGPTGSGKTVSLYTGLNINLTENHANI	352
consensus		*!*****!*****!*****!***** * ** !* * * * ***** **!*!***!?!?!?!?!*****!***** **!* *	


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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1306 DR RS10060 WP 027479822.1
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
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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
NTDB id 1028 TT RS08215 WP 011173991.1
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NTDB id 1168 A1552VC RS11070 WP 000957200.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

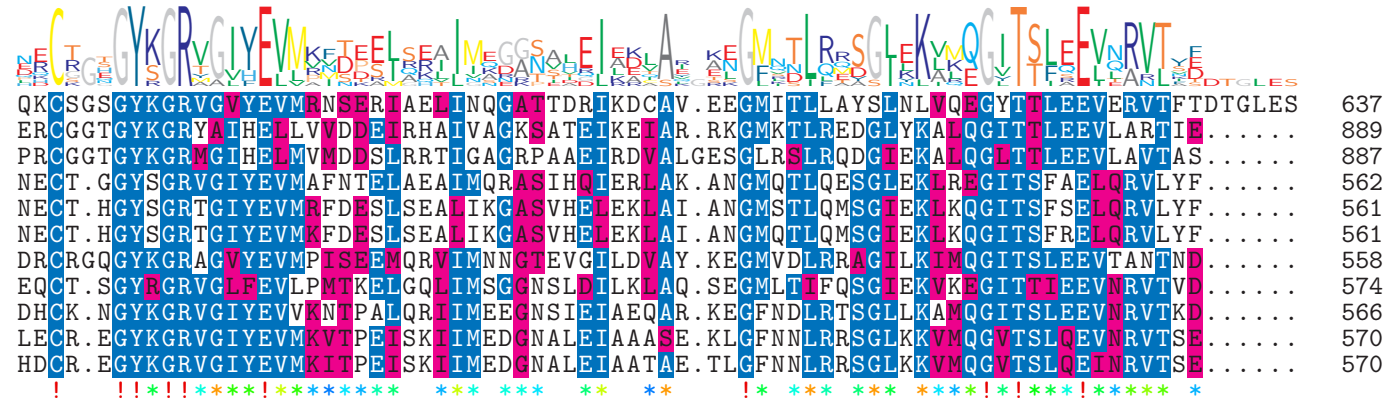
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NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
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NTDB id 235706 CD797 RS28055 WP 023094327.1
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	EMRAKRRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1		889
NTDB id 1306 DR RS10060 WP 027479822.1		887
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NTDB id 1293 VP RS12240 WP 005479695.1		561
NTDB id 1401 DSB67 RS12665 WP 010643259.1		561
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NTDB id 235706 CD797 RS28055 WP 023094327.1		566
NTDB id 1058 ABD1 RS01615 WP 001274986.1		570
NTDB id 1018 ACIAD RS01685 WP 004920473.1		570
consensus		

- X non conserved
- X similar
- X ≥ 50% conserved