logo

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NTDB id 1306 DR RS10060 WP 027479822.1        MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR   80
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..............................................................................    0
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 1251 GCO85 RS07725 WP 011946523.1     ..............................................................................    0
NTDB id 162214 PI2015 RS13625 WP 024601729.1  ..............................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ..............................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ..............................................................................    0
consensus
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1        SIRPQTALNLQAFPFALEGDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA  160
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..............................................................................    0
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 1251 GCO85 RS07725 WP 011946523.1     ..............................................................................    0
NTDB id 162214 PI2015 RS13625 WP 024601729.1  ..............................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ..............................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ..............................................................................    0
consensus
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1        GRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM  240
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..............................................................................    0
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 1251 GCO85 RS07725 WP 011946523.1     ..............................................................................    0
NTDB id 162214 PI2015 RS13625 WP 024601729.1  ..............................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ..............................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ..............................................................................    0
consensus
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1        LRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSRDQL  320
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..............................................................................    0
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 1251 GCO85 RS07725 WP 011946523.1     ..............................................................................    0
NTDB id 162214 PI2015 RS13625 WP 024601729.1  ..............................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ..............................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ..............................................................................    0
consensus
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logo

Sequence		End
NTDB id 1306 DR RS10060 WP 027479822.1	REALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLVQSGKLSPEMLARSLAAQLGYEFLDPIQNPP	400
NTDB id 1110 NGFG RS09235 WP 003689817.1	...........MSVGLLRILVQNQVVTVEQAEHYYNES.QAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRHYPR	68
NTDB id 1168 A1552VC RS11070 WP 000957200.1	...........MLINLVAILRQAELISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSRYDY	69
NTDB id 1293 VP RS12240 WP 005479695.1	...........MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFISSELAEHLSSIFGLSQPELSQYEY	69
NTDB id 1401 DSB67 RS12665 WP 010643259.1	...........MLINLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQYEY	69
NTDB id 1251 GCO85 RS07725 WP 011946523.1	...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDV	77
NTDB id 162214 PI2015 RS13625 WP 024601729.1	.....MNIN....SPLLRKFITLGRVDTDTVKTRQQD...F.ASTAELISKCGKIDSKDLAEQCIDLFRVPFFDLKDFNV	67
NTDB id 1058 ABD1 RS01615 WP 001274986.1	...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDVYDT	77
NTDB id 1018 ACIAD RS01685 WP 004920473.1	...MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSSPLTIAEIISLEFGEPLLDLGVFDP	77

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Sequence		End
NTDB id 1306 DR RS10060 WP 027479822.1	DPKVALMIPEATARRYVVVPVRLQGNSLVVAMKDPRNVFAUDDLKLITGKEILPAVMAEKDIIRLIERYFGEKGFEKLNK	480
NTDB id 1110 NGFG RS09235 WP 003689817.1	HRVLMGVLTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAGIAVELVIVEDDQLAGLLDWVGSRSTSLLQEL	148
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ANLCQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATGLQVELALADHRALQAAIRRLYGRSIQGAANQ	149
NTDB id 1293 VP RS12240 WP 005479695.1	ASLCQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATGLQVELVIADFRELSTAIRRLYGRSLSHEKSG	149
NTDB id 1401 DSB67 RS12665 WP 010643259.1	ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVIADFRELTAAIRRLYGRSLGQEKSG	149
NTDB id 1251 GCO85 RS07725 WP 011946523.1	GTIPVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSE	157
NTDB id 162214 PI2015 RS13625 WP 024601729.1	AQISAELVKEKLIRKHHILPLVQKGRKVYIAASDPTDYGAFENFEFSTGLSCEVVVVDYVQLDNKIEQLLLDATGSLNLSE	147
NTDB id 1058 ABD1 RS01615 WP 001274986.1	SQIPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKLLVEPVIVEHHKLEKVLGQHFAEESSFDFND	157
NTDB id 1018 ACIAD RS01685 WP 004920473.1	ALFLKDKIDEKLIQKYRIMPLVRHGHVLYVATSNPTNIEAMDAIRFNSKLKVEPTIVEHDKLERLLSEHFVEETHFNFDT	157

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Sequence		End
NTDB id 1306 DR RS10060 WP 027479822.1	ELAER...........NKTQQSQEADLSVADESAIVQVVDSIIREAALQDASDIHIETTEDAVKVRYRIIDGALREQNSFP	549
NTDB id 1110 NGFG RS09235 WP 003689817.1	GEGQEE...........EESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQPP	217
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GKEISQDELANLVKV..SDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYIRIRLRCDGILVETQQPA	227
NTDB id 1293 VP RS12240 WP 005479695.1	LKEINQEEIASLVDV..GADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQPP	227
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LKEINQDELAGLVDI..GEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIETQQPP	227
NTDB id 1251 GCO85 RS07725 WP 011946523.1	YVED.SGDLEGLEISADDEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEVREREYRIRYRQDGILHEVATPP	236
NTDB id 162214 PI2015 RS13625 WP 024601729.1	DEFKEFAELDS......EQHKEHTPKDDDKDDAPIIVYINKILMDAIKKGASDLHFEPYEHKYRIRFRIDGILHEVASPP	221
NTDB id 1058 ABD1 RS01615 WP 001274986.1	EEFDLDVNLDG......PTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIANPP	231
NTDB id 1018 ACIAD RS01685 WP 004920473.1	EELDLDVEVDP......HTTDDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATPP	231

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Sequence		End
NTDB id 1306 DR RS10060 WP 027479822.1	KGAAQQIMARLKIMGHLDIAERRVPQDGRVRF..KKGSIDLDLRLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNY	627
NTDB id 1110 NGFG RS09235 WP 003689817.1	IAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGEKVVMRILNSDAASLNIDLQLGFHEPFQK	297
NTDB id 1168 A1552VC RS11070 WP 000957200.1	SHLSRRLAARIKTLSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAASLDIDKLGYNPQQK	306
NTDB id 1293 VP RS12240 WP 005479695.1	NHLSRRLSARIKILSKLDIAERRLPQDGRIKLKINQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQK	306
NTDB id 1401 DSB67 RS12665 WP 010643259.1	SHLSRRLSARIKILSKLDIAERRLPQDGRIKLKINQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQK	306
NTDB id 1251 GCO85 RS07725 WP 011946523.1	ASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQR	315
NTDB id 162214 PI2015 RS13625 WP 024601729.1	NTLASKLSARIKVMSRLDIAEKRKPQDGRIKLKITE.RKSIDFRVSTMPTLWGEKVVMRILDSSSAMLGIDVLGYEPEQK	300
NTDB id 1058 ABD1 RS01615 WP 001274986.1	LQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQK	310
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQK	310

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NTDB id 1306 DR RS10060 WP 027479822.1	ARYTEIIERPNGIFLVTGPTGSGKSFICFSTLKRIAKPEKNTTTIEDPLEYEVPGIVQSQVNNSTGMTFARALRAFLRQD	707
NTDB id 1110 NGFG RS09235 WP 003689817.1	KLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQD	377
NTDB id 1168 A1552VC RS11070 WP 000957200.1	QLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQD	386
NTDB id 1293 VP RS12240 WP 005479695.1	QLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQD	386
NTDB id 1401 DSB67 RS12665 WP 010643259.1	QLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQD	386
NTDB id 1251 GCO85 RS07725 WP 011946523.1	TNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQD	395
NTDB id 162214 PI2015 RS13625 WP 024601729.1	KLYLDALEQPQGMILVTGPTGSGKTVSLYTGLNILNQPERNISTAEDPVEINLEGVNQVQINTKADMTFANALRAFLRQD	380
NTDB id 1058 ABD1 RS01615 WP 001274986.1	ALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQD	390
NTDB id 1018 ACIAD RS01685 WP 004920473.1	ALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQD	390

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NTDB id 1306 DR RS10060 WP 027479822.1	PDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVTRLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQPTNA	787
NTDB id 1110 NGFG RS09235 WP 003689817.1	PDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVER	457
NTDB id 1168 A1552VC RS11070 WP 000957200.1	PDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAVRP	466
NTDB id 1293 VP RS12240 WP 005479695.1	PDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQEH	466
NTDB id 1401 DSB67 RS12665 WP 010643259.1	PDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQEP	466
NTDB id 1251 GCO85 RS07725 WP 011946523.1	PDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETINRLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDD	475
NTDB id 162214 PI2015 RS13625 WP 024601729.1	PDVVMVGEIRDLETAEISIKAAQTGHLVLSTLHTNSAPETITRLLNMGVPAYNVASSISLIIAQRLARRLCSKCKKTP.EQ	459
NTDB id 1058 ABD1 RS01615 WP 001274986.1	PDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIP.AD	469
NTDB id 1018 ACIAD RS01685 WP 004920473.1	PDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRP.IQ	469

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NTDB id 1306 DR RS10060 WP 027479822.1	.DPEVLRRLGISFRDIR..GANLMRGTGCPRCGGTGYKGRMGIHELMVMDDSLRRTIGAGRPAAEIRDVALGESGLRSLR	864
NTDB id 1110 NGFG RS09235 WP 003689817.1	PSASALKEVGFTDEDLAK.DWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAYK.EGMVDLR	535
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.SALLQSQFAFQPNE....ILYEANAAGCNECTG.GYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAKA.NGMQTLQ	539
NTDB id 1293 VP RS12240 WP 005479695.1	.TVQL.QHLGIQTTD....NIFRANPDGCNECTH.GYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIA.NGMSTLQ	538
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.NSQL.QHLGIANTE....QIFQANPDGCNECTH.GYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIA.NGMQTLQ	538
NTDB id 1251 GCO85 RS07725 WP 011946523.1	FTNQGLIELGFKEADLV..NLKLYKAVGCEQCTS.GYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQS.EGMLTIF	551
NTDB id 162214 PI2015 RS13625 WP 024601729.1	LPREELIRQGFSEQQIQ..DMVLYAPKGCENCTD.GYKGRVGIYEVMKITPEIAQIIMRGGNSLEIAEVSLK.AGYNNLR	535
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IPKQSLLEMGFTEQDLAHPDFRVFQPVGCLECRE.GYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASEK.LGFNNLR	547
NTDB id 1018 ACIAD RS01685 WP 004920473.1	VPERSLLEMGFTPEDLAQPEFQIFEPVGCHDCRE.GYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAET.LGFNNLR	547

consensus

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NTDB id 1306 DR RS10060 WP 027479822.1	QDGIEKALQGLTTLEEVLAVTAS	887
NTDB id 1110 NGFG RS09235 WP 003689817.1	RAGILKIMQGITSLEEVTANIND	558
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ESGLEKLREGITSFAELQRVLYF	562
NTDB id 1293 VP RS12240 WP 005479695.1	MSGIEKLKQGITSFSELQRVLYF	561
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MSGIEKLKQGITSFRELQRVLYF	561
NTDB id 1251 GCO85 RS07725 WP 011946523.1	QSGIEKVKEGITTIEEVNRVTVD	574
NTDB id 162214 PI2015 RS13625 WP 024601729.1	LSGIRKAAEGVTSLAEINRVTSF	558
NTDB id 1058 ABD1 RS01615 WP 001274986.1	RSGLKKVMQGVTSLQEVNRVTSE	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	RSGLKKVMQGVTSLQEINRVTSE	570

consensus

X non conserved
X similar
X ≥ 50% conserved