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logo
                                      MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR
NTDB id 1306 DR RS10060 WP 027479822.1    MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR   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 328060 EGH15 RS09995 WP 003689817.1 ................................................................................    0
NTDB id 1110 NGFG RS09235 WP 003689817.1   ................................................................................    0
NTDB id 1251 GC085 RS07725 WP 011946523.1  ................................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1  ................................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1   ................................................................................    0
consensus
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logo
                                      SIRPQTALNLQAFPFALEGDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA
NTDB id 1306 DR RS10060 WP 027479822.1    SIRPQTALNLQAFPFALEGDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA   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 328060 EGH15 RS09995 WP 003689817.1 ................................................................................    0
NTDB id 1110 NGFG RS09235 WP 003689817.1   ................................................................................    0
NTDB id 1251 GC085 RS07725 WP 011946523.1  ................................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1  ................................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1   ................................................................................    0
consensus
```

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logo
                                      GRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM
NTDB id 1306 DR RS10060 WP 027479822.1    GRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM   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 328060 EGH15 RS09995 WP 003689817.1 ................................................................................    0
NTDB id 1110 NGFG RS09235 WP 003689817.1   ................................................................................    0
NTDB id 1251 GC085 RS07725 WP 011946523.1  ................................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1  ................................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1   ................................................................................    0
consensus
```

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logo
                                      LRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSRDQL
NTDB id 1306 DR RS10060 WP 027479822.1    LRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSRDQL   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 328060 EGH15 RS09995 WP 003689817.1 ................................................................................    0
NTDB id 1110 NGFG RS09235 WP 003689817.1   ................................................................................    0
NTDB id 1251 GC085 RS07725 WP 011946523.1  ................................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1  ................................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1   ................................................................................    0
consensus
```

logo

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NTDB id 1306 DR RS10060 WP 027479822.1        REALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLVQSGKLSPEMLARSLAAQLGYEFLDPIQNPP   400
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ..........MLTNLVAILRQAELISATQEQAVVTGVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSRYDY    69
NTDB id 1293 VP RS12240 WP 005479695.1        ..........MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQYEY    69
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ..........MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQYEY    69
NTDB id 328060 EGH15 RS09995 WP 003689817.1   ..........MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRHYPR    68
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..........MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRHYPR    68
NTDB id 1251 GCO85 RS07725 WP 011946523.1     ...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDV    77
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ...MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIISLEFGEPLLDLGVFDP    77
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDVYDT    77
consensus                                                * *** **** *** * * * *    *  **  **  * *** *** ** ***   ***  **
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1        DPKVALMIPEATARRYVVVPVRLQGNSLVVAMKDPRNVFALDDLKLITGKEILPAVMAEKDIIRLIERYFGEKGFEKLNK   480
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ANLCQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATGLQVELALADHRALQAAIRRLYGRSIQGAANQ   149
NTDB id 1293 VP RS12240 WP 005479695.1        ASLCQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATGLQVELVLADFRELSTAIRRLYGRSLSHEKSG   149
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAAIRRLYGRSLGQEKSG   149
NTDB id 328060 EGH15 RS09995 WP 003689817.1   HRVLMGVLTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAGIAVELVIVEDDQLAGLLDWVGSRSTSL..LQ   146
NTDB id 1110 NGFG RS09235 WP 003689817.1      HRVLMGVLTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAGIAVELVIVEDDQLAGLLDWVGSRSTSL..LQ   146
NTDB id 1251 GCO85 RS07725 WP 011946523.1     GTIPVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSE   157
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKLLKVEPIIVEHDKLERLLSEHFVEETHFNFDT   157
NTDB id 1058 ABD1 RS01615 WP 001274986.1      SQIPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKLLVEPVIVEHHKLEKVLGQHFAEESSFDFND   157
consensus                                     * *   ** **** **  *!* *** ***!***!*** **** ****** ******* * *** ***** *
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1        EL.........AE..RNKTQQSQEADLSVADESAIVQVVDSIIREAALQDASDIHIETTEDAVKVRYRIDGALREQNSFP   549
NTDB id 1168 A1552VC RS11070 WP 000957200.1   GK..EISQDELANLVKVSDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQPA   227
NTDB id 1293 VP RS12240 WP 005479695.1        LK..EINQEELASLVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQPP   227
NTDB id 1401 DSB67 RS12665 WP 010643259.1     LK..EINQDELAGLVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIETQQPP   227
NTDB id 328060 EGH15 RS09995 WP 003689817.1   EL.........GEGQEEEESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQPP   217
NTDB id 1110 NGFG RS09235 WP 003689817.1      EL.........GEGQEEEESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQPP   217
NTDB id 1251 GCO85 RS07725 WP 011946523.1     YVEDSGDLEGLEISAD.DEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGILHEVATPP   236
NTDB id 1018 ACIAD RS01685 WP 004920473.1     E...ELD...LDVEVDPHTTDDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATPP   231
NTDB id 1058 ABD1 RS01615 WP 001274986.1      E...EFD...LDVNLDGPTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIANPP   231
consensus                                     *   *     **  **  *     **    ***** *********!** *!!!*!*!**!   ***!*!*!!*!*** ***
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1        KGAAQQIMARLKIMGHLDIAERRVPQDGRVR..FKKGSIDLDLRLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNY   627
NTDB id 1168 A1552VC RS11070 WP 000957200.1   SHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQK   306
NTDB id 1293 VP RS12240 WP 005479695.1        NHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQK   306
NTDB id 1401 DSB67 RS12665 WP 010643259.1     SHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQK   306
NTDB id 328060 EGH15 RS09995 WP 003689817.1   IAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQK   297
NTDB id 1110 NGFG RS09235 WP 003689817.1      IAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQK   297
NTDB id 1251 GCO85 RS07725 WP 011946523.1     ASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQR   315
NTDB id 1018 ACIAD RS01685 WP 004920473.1     LQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQK   310
NTDB id 1058 ABD1 RS01615 WP 001274986.1      LQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQK   310
consensus                                        *  ****!*!****!*!!*!*!*!!!!*****  *  ***!*!****!!**!!!*!*!*!** ** *  ** !!* * **
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1      ARYTEITERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNTTTIEDPIEYEVPGIVQSQVNNSTGMTFARALRAFLRQD  707
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 328060 EGH15 RS09995 WP 003689817.1 KLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQD  377
NTDB id 1110 NGFG RS09235 WP 003689817.1    KLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQD  377
NTDB id 1251 GCO85 RS07725 WP 011946523.1   TNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSCALRSFLRQD  395
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQD  390
NTDB id 1058 ABD1 RS01615 WP 001274986.1    ALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQD  390
consensus                                    ****** *!*!**!*!!!!!!!!*******!*****  *!**!*!!!*!****!**!*******!**!**!!**!!!!!
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1      PDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVTRLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQPT.N  786
NTDB id 1168 A1552VC RS11070 WP 000957200.1 PDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAV.R  465
NTDB id 1293 VP RS12240 WP 005479695.1      PDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQ.E  465
NTDB id 1401 DSB67 RS12665 WP 010643259.1   PDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQ.E  465
NTDB id 328060 EGH15 RS09995 WP 003689817.1 PDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVER  457
NTDB id 1110 NGFG RS09235 WP 003689817.1    PDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVER  457
NTDB id 1251 GCO85 RS07725 WP 011946523.1   PDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDD  475
NTDB id 1018 ACIAD RS01685 WP 004920473.1   PDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.Q  469
NTDB id 1058 ABD1 RS01615 WP 001274986.1    PDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.D  469
consensus                                   !!***!!!!!!**!!*!!**!**!!!*!**!!!!!*!*****!* *!!* *!!*******!**!!!!*!**!* !***
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1      ADPEVLRRLGISERDIR..GANLMRGTGCPRCGGTGYKGRMGIHELMVMDDSLRRTIGAGRPAAEIRDVALGESGLRSLR  864
NTDB id 1168 A1552VC RS11070 WP 000957200.1 PSALLQSQFAFQPNEIL....YEANAAGCNECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAKA.NGMQTLQ  539
NTDB id 1293 VP RS12240 WP 005479695.1      HTVQL.QHLGIQTTDNI....FRANPDGCNECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIA.NGMSTLQ  538
NTDB id 1401 DSB67 RS12665 WP 010643259.1   PNSQL.QHIGIANTEQI....FQANPDGCNECT.HGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAIA.NGMQTLQ  538
NTDB id 328060 EGH15 RS09995 WP 003689817.1 PSASALKEVGFTDEDLAK.DWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAYK.EGMVDLR  535
NTDB id 1110 NGFG RS09235 WP 003689817.1    PSASALKEVGFTDEDLAK.DWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAYK.EGMVDLR  535
NTDB id 1251 GCO85 RS07725 WP 011946523.1   FTNQGLIELGFKEADLV..NLKLYKAVGCEQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQS.EGMLTIF  551
NTDB id 1018 ACIAD RS01685 WP 004920473.1   VPERSLLEMGFTPEDLAQPEFQIFEPVGCHDCR.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAET.LGFNNLR  547
NTDB id 1058 ABD1 RS01615 WP 001274986.1    IPKQSLLEMGFTEQDLAHPDFRVFQPVGCLECR.EGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASEK.LGFNNLR  547
consensus                                    *   * ******* **       ** **!! *!   !!*!!*!**!** ***** ****  ** ***  **    !* ***
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1      QDGIEKALQGLTTLEEVLAVTAS  887
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 328060 EGH15 RS09995 WP 003689817.1 RAGILKIMQGITSLEEVTANTND  558
NTDB id 1110 NGFG RS09235 WP 003689817.1    RAGILKIMQGITSLEEVTANTND  558
NTDB id 1251 GCO85 RS07725 WP 011946523.1   QSGIEKVKEGITTIEEVNRVTVD  574
NTDB id 1018 ACIAD RS01685 WP 004920473.1   RSGLKKVMQGVTSLQEINRVTSE  570
NTDB id 1058 ABD1 RS01615 WP 001274986.1    RSGLKKVMQGVTSLQEVNRVTSE  570
consensus                                    *!**!***!*!** !***** *
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X non conserved
X similar
X $\geq$ 50% conserved