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NTDB id 1028 TT RS08215 WP 011173991.1       MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK   80
NTDB id 1306 DR RS10060 WP 027479822.1       .MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL   79
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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 108968 A9E86 RS07375 WP 010947251.1  ..........................................................................................   0
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NTDB id 1018 ACIAD RS01685 WP 004920473.1    ..........................................................................................   0
consensus
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NTDB id 1028 TT RS08215 WP 011173991.1       ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P   158
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consensus
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NTDB id 1306 DR RS10060 WP 027479822.1       SDAGRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL   237
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NTDB id 1293 VP RS12240 WP 005479695.1       ..........................................................................................   0
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NTDB id 1110 NGFG RS09235 WP 003689817.1     ..........................................................................................   0
NTDB id 108968 A9E86 RS07375 WP 010947251.1  ..........................................................................................   0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..........................................................................................   0
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NTDB id 1018 ACIAD RS01685 WP 004920473.1    ..........................................................................................   0
consensus
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NTDB id 1110 NGFG RS09235 WP 003689817.1      ..............................................................................................     0
NTDB id 108968 A9E86 RS07375 WP 010947251.1   ..............................................................................................     0
NTDB id 1251 GCO85 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 1168 A1552VC RS11070 WP 000957200.1   ..............MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSR    66
NTDB id 1293 VP RS12240 WP 005479695.1        ..............MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQ    66
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ..............MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQ    66
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..............MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRH    65
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NTDB id 1058 ABD1 RS01615 WP 001274986.1      ......MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDV    74
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ......MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIISLEFGEPLLDLGV    74
consensus                                       *      *****  ***  **** ** * **   ** * **** **  * ***  *** *   **** ***
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NTDB id 1168 A1552VC RS11070 WP 000957200.1   YDYANLCQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATG.....LQVELALADHRALQAAIRRLYGR   141
NTDB id 1293 VP RS12240 WP 005479695.1        YEYASLCQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATG.....LQVELVLADFRELSTAIRRLYGR   141
NTDB id 1401 DSB67 RS12665 WP 010643259.1     YEYASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATG.....LQVELVLADFRELTAAIRRLYGR   141
NTDB id 1110 NGFG RS09235 WP 003689817.1      YPRHRVLMGVLTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAG.....IAVELVIVEDDQLAGLLDWVGSR   140
NTDB id 108968 A9E86 RS07375 WP 010947251.1   IDVGTIPANLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVETDKLSALIDNLLTA   149
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NTDB id 1058 ABD1 RS01615 WP 001274986.1      YDTSQIPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVEHHKLEKVLGQHFAE   149
NTDB id 1018 ACIAD RS01685 WP 004920473.1     FDPALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSK.....LKVEPIIVEHDKLERLLSEHFVE   149
consensus                                     ** * *   ** **** ** **!*  **   * *** *!*** **********      **** ****   **********
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NTDB id 1293 VP RS12240 WP 005479695.1      SLSHEKSGLKEI..NQEELASLVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGI  219
NTDB id 1401 DSB67 RS12665 WP 010643259.1   SLGQEKSGLKEI..NQDELAGLVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGI  219
NTDB id 1110 NGFG RS09235 WP 003689817.1    STSL..LQELL.........GEGQEEEESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQ  209
NTDB id 108968 A9E86 RS07375 WP 010947251.1 KESQQGLSEYVEDSGDLEGLEISAD.DEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGI  228
NTDB id 1251 GCO85 RS07725 WP 011946523.1   KESQQGLSEYVEDSGDLEGLEISAD.DEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGI  228
NTDB id 1058 ABD1 RS01615 WP 001274986.1    ESSFDFNDE...EFD...LDVNLDGPTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGV  223
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ETHFNFDTE...ELD...LDVEVDPHTTDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGV  223
consensus                                     *     * *     * *   **  ***  * *    ***************!** *!!!*!*!****  ***!*!*!!*
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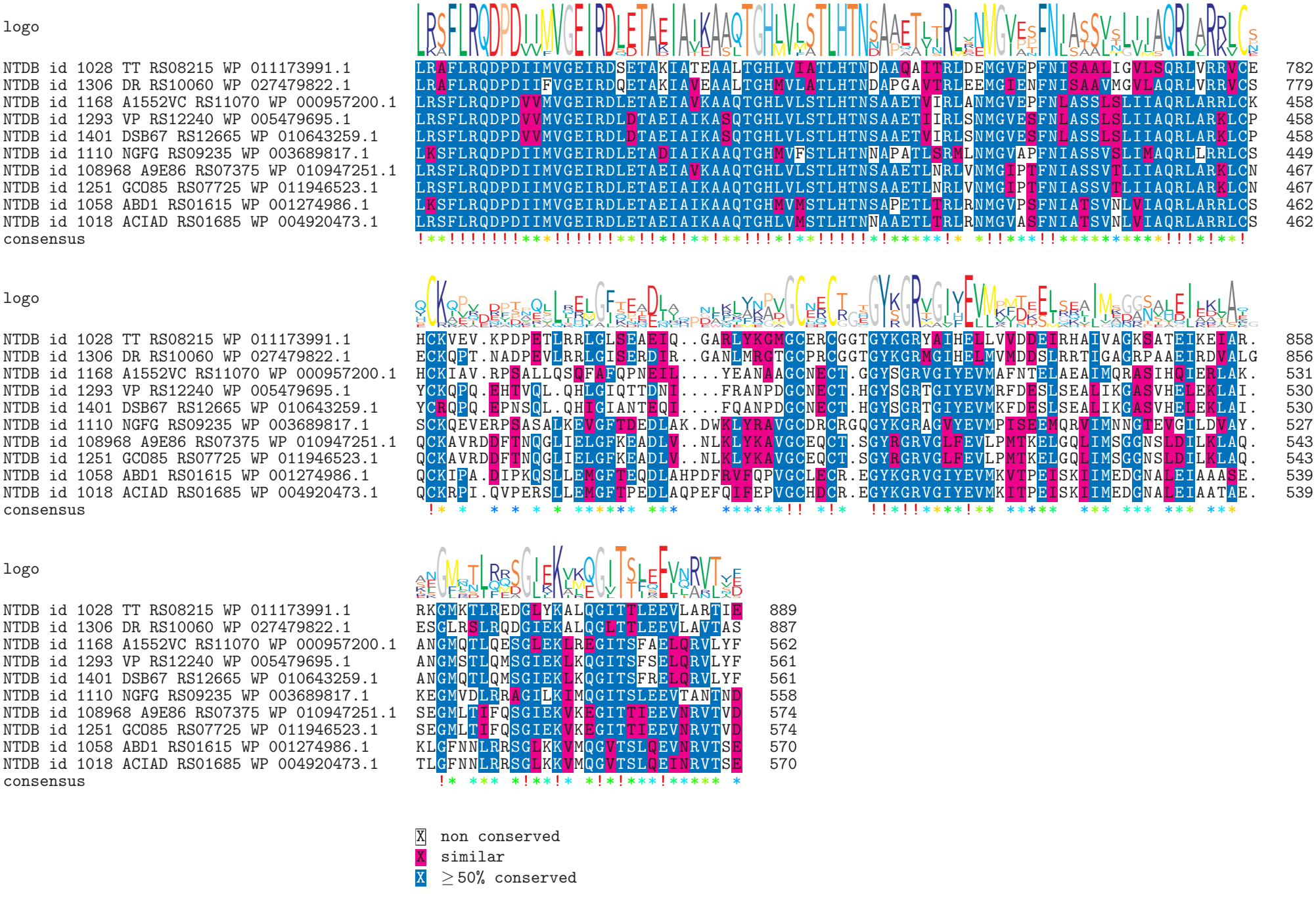


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NTDB id 1168 A1552VC RS11070 WP 000957200.1 LVETQQPASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDK  298
NTDB id 1293 VP RS12240 WP 005479695.1      LIETQQPPNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDK  298
NTDB id 1401 DSB67 RS12665 WP 010643259.1   LIETQQPPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINK  298
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NTDB id 1251 GCO85 RS07725 WP 011946523.1   LHEVATPPASLSSRITARIKVMSNLDISERRIPQDGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEA  307
NTDB id 1058 ABD1 RS01615 WP 001274986.1    LRQIANPPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDA  302
NTDB id 1018 ACIAD RS01685 WP 004920473.1   LRLIATPPLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDA  302
consensus                                   !***  **  ** ** ***!*** **! !*!*!!!!******** ****!*!****!!**!!!*!*!*!***** ****
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NTDB id 1251 GCO85 RS07725 WP 011946523.1   LGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGA  387
NTDB id 1058 ABD1 RS01615 WP 001274986.1    LGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAA  382
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consensus                                   !!* * ** ****** *!*!**!*!!!!!!!!*******!***** **!**!*!!!*!****!**!*******!**!**!
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NTDB id 1028 TT RS08215 WP 011173991.1 LRAFLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAITRLDEMGVEPFNISAALIGVLSQRLVRRVCE 782
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NTDB id 1293 VP RS12240 WP 005479695.1 LRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCP 458
NTDB id 1401 DSB67 RS12665 WP 010643259.1 LRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCP 458
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NTDB id 1058 ABD1 RS01615 WP 001274986.1 LKSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCS 462
NTDB id 1018 ACIAD RS01685 WP 004920473.1 LRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCS 462
consensus
logo
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consensus
logo
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NTDB id 1251 GCO85 RS07725 WP 011946523.1 SEGMLTIFQSGIEKVKEGITTIEEVNRVTVD 574
NTDB id 1058 ABD1 RS01615 WP 001274986.1 KLGFNNLRRSGLKKVMQGVTSLQEVNRVTSE 570
NTDB id 1018 ACIAD RS01685 WP 004920473.1 TLGFNNLRRSGLKKVMQGVTSLQEINRVTSE 570
consensus
X non conserved
X similar
X ≥ 50% conserved