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logo
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NTDB id 1028 TT RS08215 WP 011173991.1          MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK   80
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NTDB id 1058 ABD1 RS01615 WP 001274986.1        ..................................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ..................................................................................    0
NTDB id 1158450 QMX71 RS12010 WP 010961339.1    ..................................................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1       ..................................................................................    0
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                                                ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG
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NTDB id 1028 TT RS08215 WP 011173991.1          ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG  160
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NTDB id 1110 NGFG RS09235 WP 003689817.1        ..................................................................................    0
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NTDB id 1018 ACIAD RS01685 WP 004920473.1       ..................................................................................    0
NTDB id 1158450 QMX71 RS12010 WP 010961339.1    ..................................................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1       ..................................................................................    0
consensus


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NTDB id 1401 DSB67 RS12665 WP 010643259.1       ..................................................................................    0
NTDB id 1110 NGFG RS09235 WP 003689817.1        ..................................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1        ..................................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ..................................................................................    0
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consensus
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NTDB id 1018 ACIAD RS01685 WP 004920473.1        .....................................................................      0
NTDB id 1158450 QMX71 RS12010 WP 010961339.1     .....................................................................      0
NTDB id 1251 GCO85 RS07725 WP 011946523.1        .....................................................................      0
consensus
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NTDB id 1410 SGL RS13950 WP 010873519.1          SKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLYGVD     86
NTDB id 1028 TT RS08215 WP 011173991.1           KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQ..SGKLRPEALAQA.......VATQLGYP    391
NTDB id 1168 A1552VC RS11070 WP 000957200.1      ...........MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.......LSHIFGLP     60
NTDB id 1293 VP RS12240 WP 005479695.1           ...........MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLS..SGFFTSSELAEH.......LSSIFGLS     60
NTDB id 1401 DSB67 RS12665 WP 010643259.1        ...........MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLS..SGFFQSHELTEH.......LSSVFGLS     60
NTDB id 1110 NGFG RS09235 WP 003689817.1         ...........MSVGLLRILVQNQVVTVEQAEHYYNESQ.AGKEVLPMLFS..DGVISPKSLAAL.......IARVFSYS     59
NTDB id 1058 ABD1 RS01615 WP 001274986.1         ...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.......ISAEFAEP     68
NTDB id 1018 ACIAD RS01685 WP 004920473.1        ...MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLID..NFSISPLTIAEI.......ISLEFGEP     68
NTDB id 1158450 QMX71 RS12010 WP 010961339.1     ...MAAVSGVQQLSGLAKSLVKAQLLSEADAQAYFEDARRKNTPFVSYLVA..NKILDGLQIAQV.......AHQEFGLP     68
NTDB id 1251 GCO85 RS07725 WP 011946523.1        ...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.......AAQNFGVP     68
consensus
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NTDB id 1028 TT RS08215 WP 011173991.1           YVDPEEDPPD.....PGAPLLLPEDLCRRYGVFPHRLE...GNRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVAT    463
NTDB id 1168 A1552VC RS11070 WP 000957200.1      ETDLSRYDYA.....NLCQQLGLRELITRYDALPIAKQ...GNLLLLAVSDPTLLQAEEEFRFATG.....LQVELALAD    127
NTDB id 1293 VP RS12240 WP 005479695.1           QPELSQYEYA.....SLCQQLGLRELITRHNALPLHRT...PSTLLLAVADPTNQQAEDDFRFATG.....LQVELVLAD    127
NTDB id 1401 DSB67 RS12665 WP 010643259.1        CTSLNQYEYA.....SLCQTLGLRDLITRHNALPLNRT...SSTLILAVADPTNLQAEDDFRFATG.....LQVELVLAD    127
NTDB id 1110 NGFG RS09235 WP 003689817.1         ILDLRHYPRH.....RVLMGVLTEEQMVEFHCVPVFRR...GDKVFFAVSDPTQMPQIQKTVSAAG.....IAVELVIVE    126
NTDB id 1058 ABD1 RS01615 WP 001274986.1         YFDLDVYDTS.....QIPKDLVDQKLILKHRILPLIQR...GQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVE    135
NTDB id 1018 ACIAD RS01685 WP 004920473.1        LLDLGVFDPA.....LFLKDKIDEKLIQKYRIMPLVHR...GHVLYVATSNPTNIEAMDAIRFNSK.....LKVEPIIVE    135
NTDB id 1158450 QMX71 RS12010 WP 010961339.1     LLDLDAVVFD.....IPPTQWVGEKLIRRHHILPLLRR...GNHLFVAVSDPTNFLGLDEITFQTR.....LVTDCVLVE    135
NTDB id 1251 GCO85 RS07725 WP 011946523.1        MLDINCIDVG.....TIPVNLVNEKLIKRHAMVPLFSR...GTNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVE    135
consensus
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  HRALQAAIRRLYGRSIQGAANQGKEISQDE..........LANLVKVSDD...ELQSIEDLSQDDSPVSRFINQVLLDA  193
NTDB id 1293 VP RS12240 WP 005479695.1       FRELSTAIRRLYGRSLSHEKSGLKEINQEE..........LASLVDVGAD...EIDNIEDLSQDESPVSRYINQILLDA  193
NTDB id 1401 DSB67 RS12665 WP 010643259.1    FRELTAAIRRLYGRSLGQEKSGLKEINQDE..........LAGLVDIGED...EIENIEDLSQDESPVSRYINQILLDA  193
NTDB id 1110 NGFG RS09235 WP 003689817.1     DDQLAGLLDWVGSRSTS.LLQELGEGQEEE..........ES..........HTLYIDNEEAEDGPVPRFIHKTLSDA  183
NTDB id 1058 ABD1 RS01615 WP 001274986.1     HHKLEKVLGQHFAEESSFDFN.....DEEF..........DLDVNLDGPT.AQEDEEEAPQGDEAPIVKYINKLLIDA  197
NTDB id 1018 ACIAD RS01685 WP 004920473.1    HDKLERLLSEHFVEETHFNFD.....TEEL..........DLDVEVDPHT.TDDDDEDDKLKDEAPIVKYINKLLIDA  197
NTDB id 1158450 QMX71 RS12010 WP 010961339.1 ENKLSRCIEAVLDAADTSL.KQLLE..EDL..........DSLQITAGDDE.GPHAEPEISGIDDAPIVRFVNRLLLDA  200
NTDB id 1251 GCO85 RS07725 WP 011946523.1    TDKLSALIDNLLTAKESQGLSEYVEDSGDL..........EGLEISA.DDE.DQDIDTATSVTDDAPIVKFVNKILLDA  202
consensus                                       ** *** ****  * *     *  **              * * * **   *** **    **************!
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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       VRKGASDIHFEPYEKMYRVRLRCDGILIETQQP.PNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRV  271
NTDB id 1401 DSB67 RS12665 WP 010643259.1    VRKGASDIHFEPYENMYRVRLRCDGILIEIQQP.PSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRV  271
NTDB id 1110 NGFG RS09235 WP 003689817.1     LRSGASDIHFEFYEHNARIRFRVDGQLREVVQP.PIAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRV  262
NTDB id 1058 ABD1 RS01615 WP 001274986.1     IRMGASDLHFEPYEKSYRVRYRVDGVLRQIANP.PLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRV  275
NTDB id 1018 ACIAD RS01685 WP 004920473.1    IRMSASDLHFEPYEKSYRVRYRVDGVLRLIATP.PLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRV  275
NTDB id 1158450 QMX71 RS12010 WP 010961339.1 VRKGASDIHIEPYEKFLRIRFRHDGILHEVANP.PPALGVKICARIKVMSRMDIAEHRIPQDGRIKMTLSR.SRAIDFRV  278
NTDB id 1251 GCO85 RS07725 WP 011946523.1    IRQGASDIHFEPYEREYRIRYRQDGILHEVATP.PASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRV  280
consensus                                    ** **!!*!*!**** ***!*! !!*! ** ** *  ** ** ***!*******!*!*!*!!!!********  ***!*!*
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  STLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTA  351
NTDB id 1293 VP RS12240 WP 005479695.1       STLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTA  351
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NTDB id 1058 ABD1 RS01615 WP 001274986.1     NSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTA  355
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consensus                                    ***!***!!!***!*!***** **** !** * ** ****** *!*!**!*!!!!!!!!*******!***** **!**!*
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NTDB id 1110 NGFG RS09235 WP 003689817.1     EDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQDPDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRML  422
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NTDB id 1158450 QMX71 RS12010 WP 010961339.1 EDPVEITVPGINQVNVNYKTGLTFAEALRAFLRQDPDIIMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNDAPQTLNRLM  438
NTDB id 1251 GCO85 RS07725 WP 011946523.1    EDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLV  440
consensus                                    !!!*!****!**!*******!**!* *!**!*!!!!!***!!!*!!**!!**!**!**!!!*!**!!!!!*!****  !*
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  NMGVEPFNLASSLSLIIAQRLARRLCKHCKIAV.RPSALLQSQFAFQPNEIL.................YEANAAGCNEC  493
NTDB id 1293 VP RS12240 WP 005479695.1       NMGVESFNLASSLSLIIAQRLARKLCPYCKQPQ.EHTVQL.QHLGIQTTDNI.................FRANPDGCNEC  492
NTDB id 1401 DSB67 RS12665 WP 010643259.1    NMGVESFNLASSLSLIIAQRLARKLCPYCRQPQ.EPNSQL.QHIGIANTEQI.................FQANPDGCNEC  492
NTDB id 1110 NGFG RS09235 WP 003689817.1     NMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVERPSASALKEVGFTDEDLAK.D.............WKLYRAVGCDRC  488
NTDB id 1058 ABD1 RS01615 WP 001274986.1     NMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.DIPKQSLLEMGFTEQDLAHPD.............FRVFQPVGCLEC  501
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NTDB id 1251 GCO85 RS07725 WP 011946523.1    NMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTNQGLIELGFKEADLV..N.............LKLYKAVGCEQC  505
consensus                                    *!!***!**********!!!*!**!  !*     **   *  ***** **               ** ***!  *!
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NTDB id 1293 VP RS12240 WP 005479695.1       T.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIANGMSTLQMSGIEKLKQGITSFSELQRVLYF.........  561
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NTDB id 1018 ACIAD RS01685 WP 004920473.1    R.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAETLGFNNLRRSGLKKVMQGVTSLQEINRVTSE.........  570
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NTDB id 1251 GCO85 RS07725 WP 011946523.1    T.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQSGIEKVKEGITTIEEVNRVTVD.........  574
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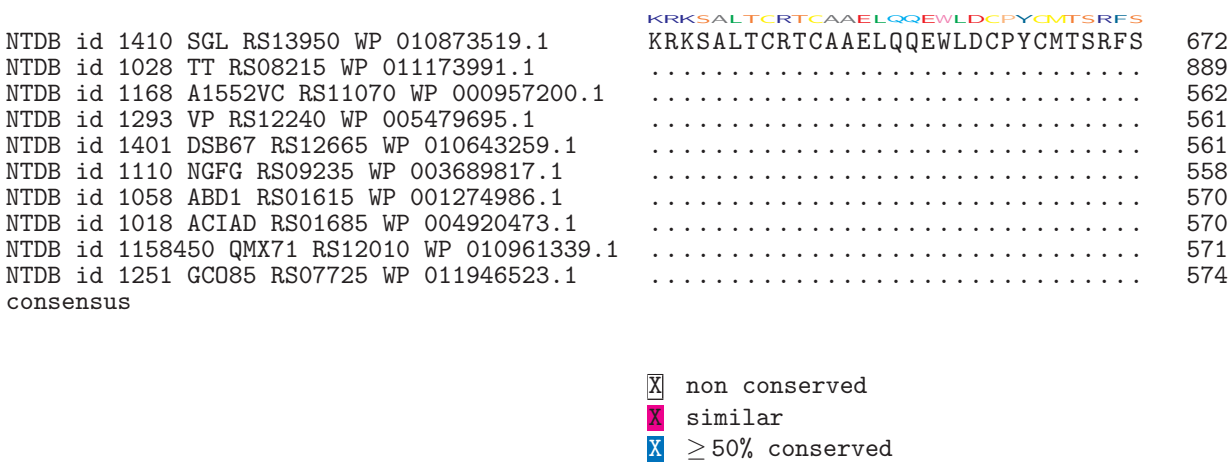
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NTDB id 1018 ACIAD RS01685 WP 004920473.1 570
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consensus
X non conserved
X similar
X ≥ 50% conserved