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NTDB id 1306 DR RS10060 WP 027479822.1       .MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL   79
NTDB id 1028 TT RS08215 WP 011173991.1       MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK   80
NTDB id 1110 NGFG RS09235 WP 003689817.1     ................................................................................   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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NTDB id 1293 VP RS12240 WP 005479695.1       ................................................................................   0
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NTDB id 1018 ACIAD RS01685 WP 004920473.1    ................................................................................   0
consensus
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NTDB id 1306 DR RS10060 WP 027479822.1       SDAGRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL   237
NTDB id 1028 TT RS08215 WP 011173991.1       SGEGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA   237
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
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NTDB id 100524 QUD69 RS01205 WP 269687931.1  ................................................................................   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 1028 TT RS08215 WP 011173991.1      LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSR   317
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NTDB id 100524 QUD69 RS01205 WP 269687931.1 ................................................................................     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      EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGRRLEDTLVQSGKLRPEALAQAVATQLGYPYVDPEE   397
NTDB id 1110 NGFG RS09235 WP 003689817.1    ..............MSVGLLRILVQNQVVTVEQAEHYYNE.SQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRH    65
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 1251 GCO85 RS07725 WP 011946523.1   ......MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINC    74
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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
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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 1028 TT RS08215 WP 011173991.1      AELSEIAK..E.....F....AKKQAEEEV..PSPLELDESAAQKFVKQVIREAFLQDASDIHIEPRQNDVQVRLRIDGA  544
NTDB id 1110 NGFG RS09235 WP 003689817.1    STSLLQELGEGQEEE..........ESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQ  209
NTDB id 1168 A1552VC RS11070 WP 000957200.1 SIQGAANQGKEISQDELAN..LVKVSDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGI  219
NTDB id 1293 VP RS12240 WP 005479695.1      SLSHEKSGLKEINQEELAS..LVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGI  219
NTDB id 1401 DSB67 RS12665 WP 010643259.1   SLGQEKSGLKEINQDELAG..LVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGI  219
NTDB id 1251 GCO85 RS07725 WP 011946523.1   KESQGLSEYVE.DSGDLEGLEISADDEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGI  228
NTDB id 100524 QUD69 RS01205 WP 269687931.1 PTGGLG...DI.GDADLDELDVQSVK.DEDRADGGTDADDAPIVRFVNKMLLDAVRMGSSDLHFEPYEKMYRVRFRTDGV  220
NTDB id 1058 ABD1 RS01615 WP 001274986.1   ESSFDF...ND.EEFDLD.VNLDGPT.AQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGV  223
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ETHFNF...DT.EELDLD.VEVDPHT.TDDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGV  223
consensus                                      *     **    *    ***     *    ***************!** **!!*!*!****  ***!*!*!!*
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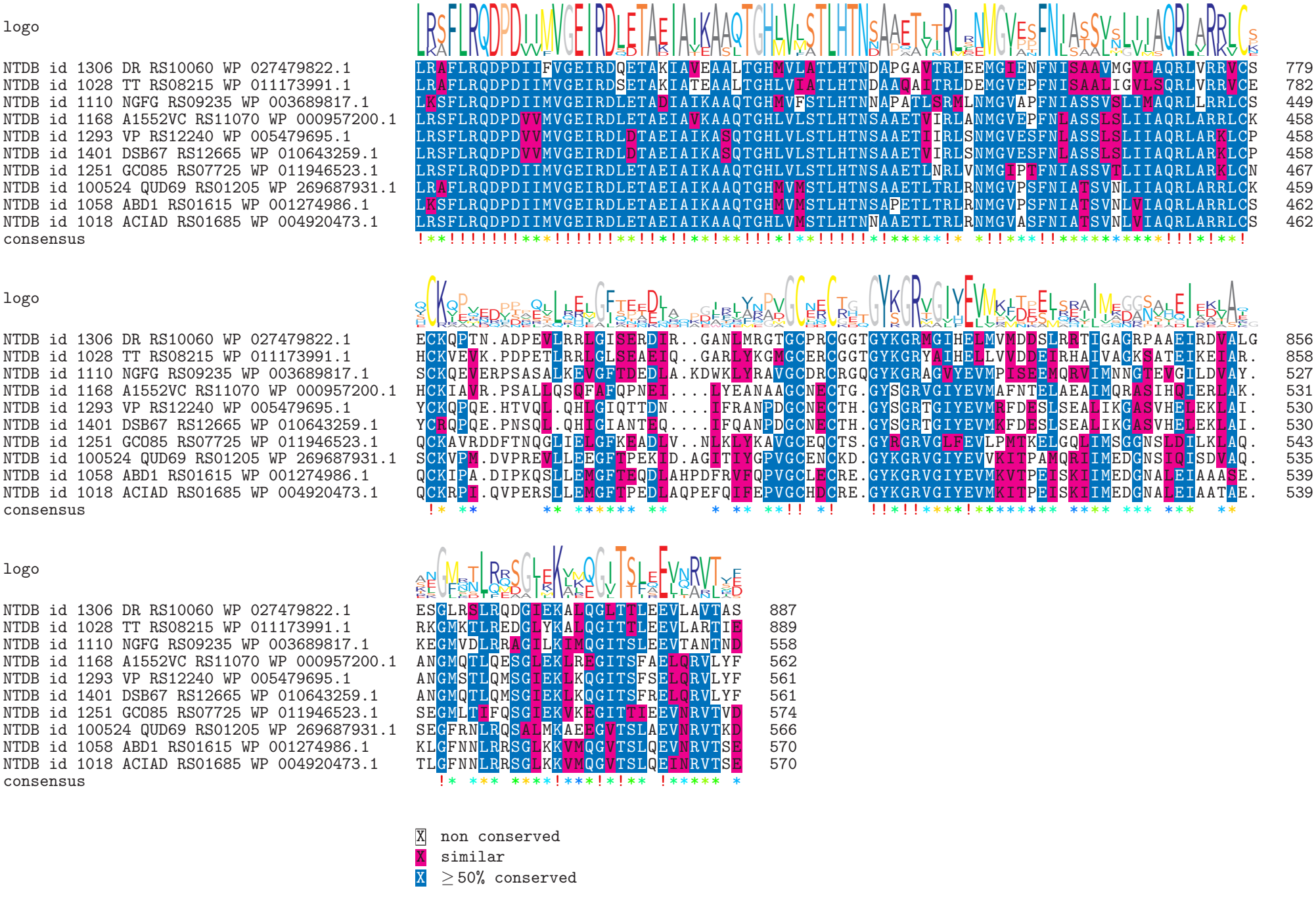


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NTDB id 1028 TT RS08215 WP 011173991.1      LRPYSTLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRY..REGAIDVDLRLSTLPTVYGEKAVMRLLKKASDIPEIED  622
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NTDB id 1168 A1552VC RS11070 WP 000957200.1 LVETQQPASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDK  298
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NTDB id 1401 DSB67 RS12665 WP 010643259.1   LIETQQPPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINK  298
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NTDB id 100524 QUD69 RS01205 WP 269687931.1 LHEVAKPPVQLGVRIAARLKVMSSMDLAERRKPQDGRIKLKISK.SKAIDFRVNTLPTLWGEKVVLRILDSESAKMGIDA  299
NTDB id 1058 ABD1 RS01615 WP 001274986.1   LRQIANPPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDA  302
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consensus                                   !*** ***  *  ******!*** ****!*!*!!!!******** ****!*!****!!**!!!*!*!*!** **  ****
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NTDB id 1168 A1552VC RS11070 WP 000957200.1 LGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEA  378
NTDB id 1293 VP RS12240 WP 005479695.1      LGYSEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEA  378
NTDB id 1401 DSB67 RS12665 WP 010643259.1   LGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEA  378
NTDB id 1251 GCO85 RS07725 WP 011946523.1   LGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGA  387
NTDB id 100524 QUD69 RS01205 WP 269687931.1 LGYEDDQKQMYMAALARPQGMILVTGPTGSGKTVSLYTGLNILNTMERNISTAEDPVEINLEGINQVNVNPKQGLDFAQA  379
NTDB id 1058 ABD1 RS01615 WP 001274986.1   LGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAA  382
NTDB id 1018 ACIAD RS01685 WP 004920473.1   LGYEPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAA  382
consensus                                   !!* * ** ****** *!*!**!*!!!!!!!!*******!***** **!**!*!!!*!****!**!*******!**!* !
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NTDB id 1110 NGFG RS09235 WP 003689817.1 LKSFLRQDPDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCS 449
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LRSFLRQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCK 458
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 100524 QUD69 RS01205 WP 269687931.1 LRAFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAAETLTRLRNMGVPSFNIATSVNLIIAQRLARRLCK 459
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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NTDB id 1110 NGFG RS09235 WP 003689817.1 SCKQEVERPSASALKEVGFTDEDLA.KDWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAY. 527
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NTDB id 1058 ABD1 RS01615 WP 001274986.1 QCKIPA.DIPKQSLLEMGFTEQDLAHPDFRVFQPVGCLECRE.GYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASE. 539
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consensus
logo
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NTDB id 1028 TT RS08215 WP 011173991.1 RKGMKTLREDGLYKALQGITTLEEVLARTIE 889
NTDB id 1110 NGFG RS09235 WP 003689817.1 KEGMVDLRRAGILKIMQGITSLEEVTANTND 558
NTDB id 1168 A1552VC RS11070 WP 000957200.1 ANGMQTLQESGLEKLREGITSFAELQRVLYF 562
NTDB id 1293 VP RS12240 WP 005479695.1 ANGMSTLQMSGIEKLKQGITSFSELQRVLYF 561
NTDB id 1401 DSB67 RS12665 WP 010643259.1 ANGMQTLQMSGIEKLKQGITSFRELQRVLYF 561
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NTDB id 100524 QUD69 RS01205 WP 269687931.1 SEGFRNLRQSALMKAEEGVTSLAEVNRVTKD 566
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