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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1410 SGL RS13950 WP 010873519.1      ..................................................................................    0
NTDB id 1306 DR RS10060 WP 027479822.1       .MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL   79
NTDB id 1028 TT RS08215 WP 011173991.1       MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK   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 1110 NGFG RS09235 WP 003689817.1     ..................................................................................    0
NTDB id 1251 GC085 RS07725 WP 011946523.1    ..................................................................................    0
NTDB id 58327 AVCA RS05450 WP 012699854.1    ..................................................................................    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
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1410 SGL RS13950 WP 010873519.1      ..................................................................................    0
NTDB id 1306 DR RS10060 WP 027479822.1       RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA  157
NTDB id 1028 TT RS08215 WP 011173991.1       ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P  158
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 1110 NGFG RS09235 WP 003689817.1     ..................................................................................    0
NTDB id 1251 GC085 RS07725 WP 011946523.1    ..................................................................................    0
NTDB id 58327 AVCA RS05450 WP 012699854.1    ..................................................................................    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
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1410 SGL RS13950 WP 010873519.1      ..................................................................................    0
NTDB id 1306 DR RS10060 WP 027479822.1       SDAGRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL  237
NTDB id 1028 TT RS08215 WP 011173991.1       SGEGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA  237
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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 1251 GC085 RS07725 WP 011946523.1    ..................................................................................    0
NTDB id 58327 AVCA RS05450 WP 012699854.1    ..................................................................................    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
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1410 SGL RS13950 WP 010873519.1      ...........................................................................MTS     3
NTDB id 1306 DR RS10060 WP 027479822.1       GSMLRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSR   317
NTDB id 1028 TT RS08215 WP 011173991.1       LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSR   317
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 1110 NGFG RS09235 WP 003689817.1     ...........................................................................     0
NTDB id 1251 GC085 RS07725 WP 011946523.1    ...........................................................................     0
NTDB id 58327 AVCA RS05450 WP 012699854.1    ...........................................................................     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
NTDB id 1410 SGL RS13950 WP 010873519.1      SSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLY    83
NTDB id 1306 DR RS10060 WP 027479822.1       DQLREALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLV..QSGKLSPEMLARS.......LAAQL   388
NTDB id 1028 TT RS08215 WP 011173991.1       EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLV..QSGKLRPEALAQA.......VATQL   388
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ...............MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALL..ELSIFHAQELTEQ.......LSHIF    57
NTDB id 1293 VP RS12240 WP 005479695.1       ...............MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALL..SSGFFTSSELAEH.......LSSIF    57
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ...............MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALL..SSGFFQSHELTEH.......LSSVF    57
NTDB id 1110 NGFG RS09235 WP 003689817.1     ...............MSVGLLRILVQNQVVTVEQAEHYYN.ESQAGKEVLPMLF..SDGVISPKSLAAL.......IARVF    56
NTDB id 1251 GC085 RS07725 WP 011946523.1    ......MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIV..KNKILSAEQIALT.......AAQNF    65
NTDB id 1058 ABD1 RS01615 WP 001274986.1     .........MHDDISLHGLARQMVLAGLIDEKTVLQAQRQAQRNQTPLVTWLV..QNKLVKSRGLAEL.......AAEQF    62
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ......MSALHTSPKFIGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLI..EEVHLSPSLLAET.......ISAEF    65
consensus                                                   * *  ***  ****  **  **   *  *  * * **      ***  ***         *   *
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logo
NTDB id 1410 SGL RS13950 WP 010873519.1      GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKG..FELRRL   161
NTDB id 1306 DR RS10060 WP 027479822.1       GYEFLDPIQNPPDP.....KVALMIPEATARRYVVVPVRLQG...NSLVVAMKDPRNVFALDDLKLITG.....KEILPA   455
NTDB id 1028 TT RS08215 WP 011173991.1       GYPYVDPEEDPPDP.....GAPLLLPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPA   460
NTDB id 1168 A1552VC RS11070 WP 000957200.1  GLPETDLSRYDYAN.....LCQQLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEEEFRFATG.....LQVELA   124
NTDB id 1293 VP RS12240 WP 005479695.1       GLSQPELSQYEYAS.....LCQQLGLRELITRHNALPLHRTP...STLLLAVADPTNQQAEDDFRFATG.....LQVELV   124
NTDB id 1401 DSB67 RS12665 WP 010643259.1    GLSCTSLNQYEYAS.....LCQTLGLRDLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFATG.....LQVELV   124
NTDB id 1110 NGFG RS09235 WP 003689817.1     SYSILDLRHYPRHR.....VLMGVLTEEQMVEFHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG.....IAVELV   123
NTDB id 1251 GC085 RS07725 WP 011946523.1    GVPMLDINCIDVGT.....IPVNLVNEKLIKRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAI   132
NTDB id 1058 ABD1 RS01615 WP 001274986.1     GIALFDLGTLEREN.....QPRDLLSEKLIRQHRALPLWRRG...NRLFVAISDPTNHEAIREIRFGTG.....LNTEAI   129
NTDB id 1018 ACIAD RS01685 WP 004920473.1    AEPYFDLDVYDTSQ.....IPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK.....LLVEPV   132
NTDB id 1018 ACIAD RS01685 WP 004920473.1    GEPLLDLGVFDPAL.....FLKDKIDEKLIQKYRIMPLVHRG...HVLYVATSNPTNIEAMDAIRFNSK.....LKVEPI   132
consensus                                    **  ***  ** *       *   ** **** **  *!*   *     ***** *!*** **********     * ** *
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logo
NTDB id 1410 SGL RS13950 WP 010873519.1     VVTQDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNKIL  241
NTDB id 1306 DR RS10060 WP 027479822.1      VMAEKDIIRLIERYFGEKGFEKLNKE..........LA.............ERNKTQQSQEADLSVADESAIVQVVDSII  512
NTDB id 1028 TT RS08215 WP 011173991.1      VATEAAITKLIERFYGKAELSEIAKE..........FA.............KKQAEEEV..PSPLELDESAAQKFVKQVI  515
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LADHRALQAAIRRLYGRSIQGAANQGK...EISQDELANL...........VKVSDDELQSIEDLSQDDSPVSRFINQVL  190
NTDB id 1293 VP RS12240 WP 005479695.1      LADFRELSTAIRRLYGRSLSHEKSGLK...EINQEELASL...........VDVGADEIDNIEDLSQDESPVSRYINQIL  190
NTDB id 1401 DSB67 RS12665 WP 010643259.1   LADFRELTAAIRRLYGRSLGQEKSGLK...EINQDELAGL...........VDIGEDEIENIEDLSQDESPVSRYINQIL  190
NTDB id 1110 NGFG RS09235 WP 003689817.1    IVEDDQLAGLLDWVGSRSTSL.LQE...........LGEG...........QEEEESHTLYIDNEEAEDGPVPRFIHKTL  180
NTDB id 1251 GC085 RS07725 WP 011946523.1   VVETDKLSALIDNLLTAKESQGLSEYVED.SGDLEGLEIS...........ADDE.DQDIDTATSVTDDAPIVKFVNKIL  199
NTDB id 58327 AVCA RS05450 WP 012699854.1   LVEDDRLGEAMEKYFEGADTA...LDDLA.DAGLDGLDIE...........AGDRHDEALNPAGDAEDAPVVRFINKIL  193
NTDB id 1058 ABD1 RS01615 WP 001274986.1    IVEHHKLEKVLGQHFAEESSF...DFNDE.EFD...LDVN...........LDGPTAQEDEEEAPQGDEAPIVKYINKLL  194
NTDB id 1018 ACIAD RS01685 WP 004920473.1   IVEHDKLERLLSEHFVEETHF...NFDTE.ELD...LDVE...........VDPHTTDDDDEDDKLKDEAPIVKYINKLL  194
consensus                                   ***   *  **** **              *   * **             *   **   *    *************

logo
NTDB id 1410 SGL RS13950 WP 010873519.1     AKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQ..GRKVD  319
NTDB id 1306 DR RS10060 WP 027479822.1      REAALQDASDIHIETTEDAVKVRYRIDGALREQNS.FPKGAAQQIMARLKIMGHLDIAERRVPQDGRVRF..KKGSIDLD  589
NTDB id 1028 TT RS08215 WP 011173991.1      REAFLQDASDIHIEPRQNDVQVRLRIDGALRPYST.LPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRY..REGAIDVD  592
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQ.PASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAID  268
NTDB id 1293 VP RS12240 WP 005479695.1      LDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQ.PPNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAID  268
NTDB id 1401 DSB67 RS12665 WP 010643259.1   LDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQ.PPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAID  268
NTDB id 1110 NGFG RS09235 WP 003689817.1    SDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQ.PPIAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVD  259
NTDB id 1251 GC085 RS07725 WP 011946523.1   LDAIRQGASDIHFEPYEREYRIRYRQDGILHEVAT.PPASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAID  277
NTDB id 58327 AVCA RS05450 WP 012699854.1   LDAIRRGSSDLHFEPYEKSHRVRFRTDGILHEVAR.PPVRSAPKIAARLKVMAGLDISERRKPQDGRIRMKLPK.GKAID  271
NTDB id 1058 ABD1 RS01615 WP 001274986.1    IDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIAN.PPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAID  272
NTDB id 1018 ACIAD RS01685 WP 004920473.1   IDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIAT.PPLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTID  272
consensus                                   **!** **!!*!*!***  ***!*! !!*! **   **  *  ** ***!*** **!*!*!*!!!!****** *  ***!

logo
NTDB id 1410 SGL RS13950 WP 010873519.1     FRVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNI  399
NTDB id 1306 DR RS10060 WP 027479822.1      LRLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNYARYTEIIERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNT  669
NTDB id 1028 TT RS08215 WP 011173991.1      LRLSTLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNT  672
NTDB id 1168 A1552VC RS11070 WP 000957200.1 MRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINI  348
NTDB id 1293 VP RS12240 WP 005479695.1      MRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINI  348
NTDB id 1401 DSB67 RS12665 WP 010643259.1   MRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINI  348
NTDB id 1110 NGFG RS09235 WP 003689817.1    FRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQKKLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNI  339
NTDB id 1251 GC085 RS07725 WP 011946523.1   FRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNI  357
NTDB id 58327 AVCA RS05450 WP 012699854.1   FRVNTLPTLWGEKVVMRILDPSSAQMGIDALGYEESQKALYLEALSQPQGMILVTGPTGSGKTVSLYTGLNILNTAEVNI  351
NTDB id 1058 ABD1 RS01615 WP 001274986.1    FRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNI  352
NTDB id 1018 ACIAD RS01685 WP 004920473.1   FRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANI  352
consensus                                   *!****!***!!!***!*!* *** * ** !** * ** ****** *!*!**!*!!!!!!!!*******!***** **!*
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logo
NTDB id 1410 SGL RS13950 WP 010873519.1      NTAEDPIEYALPGITQVQVIREKGMDFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAAGAIA   479
NTDB id 1306 DR RS10060 WP 027479822.1       TTIEDPIEYEVPGIVQSQVNNSTGMTFARALRAFLRQDPDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVT   749
NTDB id 1028 TT RS08215 WP 011173991.1       QTIEDPVEYEIPGINQTQVNPQAGLTFARALRAFLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAIT   752
NTDB id 1168 A1552VC RS11070 WP 000957200.1  STAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVI   428
NTDB id 1293 VP RS12240 WP 005479695.1       STAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETII   428
NTDB id 1401 DSB67 RS12665 WP 010643259.1    STAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVI   428
NTDB id 1110 NGFG RS09235 WP 003689817.1     ATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQDPDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLS   419
NTDB id 1251 GC085 RS07725 WP 011946523.1    STAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLN   437
NTDB id 58327 AVCA RS05450 WP 012699854.1    STVEDPVEINLEGINQVNVNPRQGMDFSQALRAFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAAETLT   431
NTDB id 1058 ABD1 RS01615 WP 001274986.1     STAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLT   432
NTDB id 1018 ACIAD RS01685 WP 004920473.1    STAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLT   432
consensus                                    *!*!!!*!****!**!****** !**!* *!**!*!!!!!***!!!*!!**!!**!**!**!!!*!**!!!!!*!*****
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logo
NTDB id 1410 SGL RS13950 WP 010873519.1      RLDEMGVEPFMVSGSLLGVLAQRLMRKVCTECRIAY.HPSKEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKGNLC   558
NTDB id 1306 DR RS10060 WP 027479822.1       RLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQPT.NADPEVLRRLGISERDI..RG.............ANLMRGTGC   813
NTDB id 1028 TT RS08215 WP 011173991.1       RLDEMGVEPFNISAALIGVLSQRLVRRVCEHCKVEV.KPDPETLRRLGLSEAEI..QG.............ARLYKGMGC   816
NTDB id 1168 A1552VC RS11070 WP 000957200.1  RLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAV.RPSALLQSQFAFQPNEI..................LYEANAAGC   490
NTDB id 1293 VP RS12240 WP 005479695.1       RLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQ.EHTVQL.QHLGIQTTDN..................IFRANPDGC   489
NTDB id 1401 DSB67 RS12665 WP 010643259.1    RLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQ.EPNSQL.QHIGIANTEQ.................IFQANPDGC   489
NTDB id 1110 NGFG RS09235 WP 003689817.1     RMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVERPSASALKEVGFTDEDLA.KD.............WKLYRAVGC   485
NTDB id 1251 GC085 RS07725 WP 011946523.1    RLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTNQGLIELGFKEADL..VN.............LKLYKAVGC   502
NTDB id 58327 AVCA RS05450 WP 012699854.1    RLRNMGVPSFNIATSVNLIIAQRLARKLCA.CKQAV.DIPHETLLAEGFPEERI..GA.............FRLYAPTGC   494
NTDB id 1058 ABD1 RS01615 WP 001274986.1     RLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.DIPKQSLLEMGFTEQDLAHPD.............FRVFQPVGC   498
NTDB id 1018 ACIAD RS01685 WP 004920473.1    RLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.QVPERSLLEMGFTPEDLAQPE.............FQIFEPVGC   498
consensus                                    !* *!!***!****** ****!!!*!**!  !*          *  ***** **                 ** * *!
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logo
NTDB id 1410 SGL RS13950 WP 010873519.1      QKCSGSGYKGRVGVYEVMRNSERIAELINQGATTDRIKDCAV.EEGMITLLAYSLNLVQEGYTTLEEVERVTFTDTGLES   637
NTDB id 1306 DR RS10060 WP 027479822.1       PRCGGTGYKGRMGIHELMVMDDSLRRTIGAGRPAAEIRDVALGESGLRSLRQDGIEKALQGLTTLEEVLAVTAS......   887
NTDB id 1028 TT RS08215 WP 011173991.1       ERCGGTGYKGRYAIHELLVVDDEIRHAIVAGKSATEIKEIAR.RKGMKTLREDGLYKALQGITTLEEVLARTIE......   889
NTDB id 1168 A1552VC RS11070 WP 000957200.1  NECTG.GYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAK.ANGMQTLQESGLEKLREGITSFAELQRVLYF......   562
NTDB id 1293 VP RS12240 WP 005479695.1       NECTH.GYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAI.ANGMSTLQMSGIEKLKQGITSFSELQRVLYF......   561
NTDB id 1401 DSB67 RS12665 WP 010643259.1    NECTH.GYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAI.ANGMQTLQMSGIEKLKQGITSFRELQRVLYF......   561
NTDB id 1110 NGFG RS09235 WP 003689817.1     DRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAY.KEGMVDLFRAGILKIMQGITSLEEVTANTND......   558
NTDB id 1251 GC085 RS07725 WP 011946523.1    EQCTS.GYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQ.SEGMLTIFQSGIEKVKEGITTIEEVNRVTVD......   574
NTDB id 58327 AVCA RS05450 WP 012699854.1    ENCNG.GYKGRVGIYEVVKITPALQRIIMGDGNSIDIARQMR.AEGFNDLRASALWKAMQGVTSLEEVNRVTKD......   566
NTDB id 1058 ABD1 RS01615 WP 001274986.1     LECRE.GYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASE.KLGFNNLRRSGLKKVMQGVTSLQEVNRVTSE......   570
NTDB id 1018 ACIAD RS01685 WP 004920473.1    HDCRE.GYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAE.TLGFNNLRRSGLKKVMQGVTSLQEINRVTSE......   570
consensus                                      ! * !!*!!****!********  *** ***  **  **    !* *** *** ****!*!***!*****  *
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logo

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                                                EMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS
NTDB id 1410 SGL RS13950 WP 010873519.1         EMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS   672
NTDB id 1306 DR RS10060 WP 027479822.1          ....................................   887
NTDB id 1028 TT RS08215 WP 011173991.1          ....................................   889
NTDB id 1168 A1552VC RS11070 WP 000957200.1     ....................................   562
NTDB id 1293 VP RS12240 WP 005479695.1          ....................................   561
NTDB id 1401 DSB67 RS12665 WP 010643259.1       ....................................   561
NTDB id 1110 NGFG RS09235 WP 003689817.1        ....................................   558
NTDB id 1251 GCO85 RS07725 WP 011946523.1       ....................................   574
NTDB id 58327 AVCA RS05450 WP 012699854.1       ....................................   566
NTDB id 1058 ABD1 RS01615 WP 001274986.1        ....................................   570
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ....................................   570
consensus
```

X non conserved

X similar

X $\geq$50% conserved