logo

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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 1168 A1552VC RS11070 WP 000957200.1  ..........................................................................................   0
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ..........................................................................................   0
NTDB id 1293 VP RS12240 WP 005479695.1       ..........................................................................................   0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..........................................................................................   0
NTDB id 1110 NGFG RS09235 WP 003689817.1     ..........................................................................................   0
NTDB id 151082 ADJ79 RS09925 WP 050715822.1  ..........................................................................................   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

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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 1401 DSB67 RS12665 WP 010643259.1    ..........................................................................................   0
NTDB id 1293 VP RS12240 WP 005479695.1       ..........................................................................................   0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..........................................................................................   0
NTDB id 1110 NGFG RS09235 WP 003689817.1     ..........................................................................................   0
NTDB id 151082 ADJ79 RS09925 WP 050715822.1  ..........................................................................................   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 1306 DR RS10060 WP 027479822.1       SDAGRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL   237
NTDB id 1028 TT RS08215 WP 011173991.1       SGEGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA   237
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ..........................................................................................   0
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ..........................................................................................   0
NTDB id 1293 VP RS12240 WP 005479695.1       ..........................................................................................   0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..........................................................................................   0
NTDB id 1110 NGFG RS09235 WP 003689817.1     ..........................................................................................   0
NTDB id 151082 ADJ79 RS09925 WP 050715822.1  ..........................................................................................   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

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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 1401 DSB67 RS12665 WP 010643259.1     ..........................................................................................     0
NTDB id 1293 VP RS12240 WP 005479695.1        ..........................................................................................     0
NTDB id 1251 GCO85 RS07725 WP 011946523.1     ..........................................................................................     0
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..........................................................................................     0
NTDB id 151082 ADJ79 RS09925 WP 050715822.1   ..........................................................................................     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

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NTDB id 1306 DR RS10060 WP 027479822.1        DQLREALQVQARERGKVKPLGEVITELGFASPDEVDSALQKQNVGGRRLEDTLVQSGKLSPEMLARSLAAQLGYEFLDPIQ   397
NTDB id 1028 TT RS08215 WP 011173991.1        EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGRRLEDTLVQSGKLRPEALAQAVATQLGYPYVDPEE   397
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ..............MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSR    66
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ..............MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQ    66
NTDB id 1293 VP RS12240 WP 005479695.1        ..............MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQ    66
NTDB id 1251 GCO85 RS07725 WP 011946523.1     ......MALATEEYRLQQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINC    74
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..............MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRH    65
NTDB id 151082 ADJ79 RS09925 WP 050715822.1   ...MATVESPAQAAPLPGLAHTLVMTGKLGQQAAEDLYKKAQQSNKNFIAELTGSGAVSAFDLAHTISAAFAAPLIDAAA    77
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ...MSAL...HTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDV    74
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ...MSAF...TTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIISLEFGEPLLDLGV    74
consensus                                           *       *****  ***  ****  * * **   *  *  *** ** ** ***  *** **  ** * ***
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NTDB id 1306 DR RS10060 WP 027479822.1        NPPDPKVALMIPEATARRYVVVPVRLQGNSLVVAMKDPRNVFALDDLKLITG.....KEILPAVMAEKDIIRLIERYFGE   472
NTDB id 1028 TT RS08215 WP 011173991.1        DPPDPGAPLLLPEDLCRRYGVFPHRLEGNRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVATEAAITKLIERFYGK   477
NTDB id 1168 A1552VC RS11070 WP 000957200.1   YDYANLCQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATG.....LQVELALADHRALQAAIRRLYGR   141
NTDB id 1401 DSB67 RS12665 WP 010643259.1     YEYASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATG.....LQVELVLADFRELTAAIRRLYGR   141
NTDB id 1293 VP RS12240 WP 005479695.1        YEYASLCQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATG.....LQVELVLADFRELSTAIRRLYGR   141
NTDB id 1251 GCO85 RS07725 WP 011946523.1     IDVGTIPVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVETDKLSALIDNLLTA   149
NTDB id 1110 NGFG RS09235 WP 003689817.1      YPRHRVLMGVLTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAG.....IAVELVIVEDDQLAGLLDWVGSR   140
NTDB id 151082 ADJ79 RS09925 WP 050715822.1   IDPNRLPQDLIDRKLIVKYRILPLSKRGNRLIIATADPTDNEAAEKVKFATQ.....MGVEWVIAEYDKLSHLIETATRG   152
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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logo

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NTDB id 1306 DR RS10060 WP 027479822.1      KGF......EKLNKE...L....AERNKTQQSQEADLSVADESAIVQVVDSIIREAALQDASDIHIETTEDAVKVRYRID  539
NTDB id 1028 TT RS08215 WP 011173991.1      AEL......SEIAKE...F....AKKQAEEEV..PSPLELDESAAQKFVKQVIREAFLQDASDIHIEPRQNDVQVRLRID  542
NTDB id 1168 A1552VC RS11070 WP 000957200.1 SIQGAANQGKEISQDE..LANLVKVSDD..ELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCD  217
NTDB id 1401 DSB67 RS12665 WP 010643259.1   SLGQEKSGLKEINQDE..LAGLVDIGED..EIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCD  217
NTDB id 1293 VP RS12240 WP 005479695.1      SLSHEKSGLKEINQEE..LASLVDVGAD..EIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCD  217
NTDB id 1251 GCO85 RS07725 WP 011946523.1   KESQ...GLSEYVEDSGDLEGLEISADDEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQD  226
NTDB id 1110 NGFG RS09235 WP 003689817.1    STS....LLQ.......EL..GEGQEEEESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVD  207
NTDB id 151082 ADJ79 RS09925 WP 050715822.1 TGD....GMDGISADDFEF..GEDAASPNEAEEDAEQDDSEDTPIVRFLQKMLVDAVSMRASDLHFEPYEFMYRVRFRID  226
NTDB id 1058 ABD1 RS01615 WP 001274986.1    E......SSFDFNDEEFDL..DVNLDGPTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVD  221
NTDB id 1018 ACIAD RS01685 WP 004920473.1   E......THFNFDTEELDL..DVEVDPHTTDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVD  221
consensus                                   *       * **  ** **   * *  *  * ** *    **************!** *!!!*!*!***  ***!*!*!
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1      GALREQNSFPKGAAQQIMARLKIMGHLDIAERRVPQDGRVRFK..KGSIDLDLRLSTLPTVYGEKAVMRLLQKASNIPEL  617
NTDB id 1028 TT RS08215 WP 011173991.1      GALRPYSTLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYR..EGAIDVDLRLSTLPTVYGEKAVMRLLKKASDIPEI  620
NTDB id 1168 A1552VC RS11070 WP 000957200.1 GILVETQQPASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDI  296
NTDB id 1401 DSB67 RS12665 WP 010643259.1   GILIEIQQPPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDI  296
NTDB id 1293 VP RS12240 WP 005479695.1      GILIETQQPPNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDI  296
NTDB id 1251 GCO85 RS07725 WP 011946523.1   GILHEVATPPASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGI  305
NTDB id 1110 NGFG RS09235 WP 003689817.1    GQLREVVQPPIAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGEKVVMRILNSDAASLNI  287
NTDB id 151082 ADJ79 RS09925 WP 050715822.1 GELREIASPPPGIKEKLASRIKVISRLDISEKRVPQDGRMKLKLGP.DRVIDFRVSTLPTLFGEKIVIRILDPSSAKLGI  305
NTDB id 1058 ABD1 RS01615 WP 001274986.1    GVLRQIANPPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGI  300
NTDB id 1018 ACIAD RS01685 WP 004920473.1   GVLRLIATPPLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRVNSLPTLFGEKIVLRILDPASAMLGI  300
consensus                                   !*!***  **  *  *** **!*******! !*!*!!!!******* *  ***!*!****!!**!!!*!*!*!*****  ***
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1      EQLGFSEYNYARYTEIIERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNTTTIEDPIEYEVPGIVQSQVNNSTGMTFA  697
NTDB id 1028 TT RS08215 WP 011173991.1      EDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNTQTIEDPVEYEIPGINQTQVNPQAGLTFA  700
NTDB id 1168 A1552VC RS11070 WP 000957200.1 DKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFA  376
NTDB id 1401 DSB67 RS12665 WP 010643259.1   NKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFA  376
NTDB id 1293 VP RS12240 WP 005479695.1      DKLGYSEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFA  376
NTDB id 1251 GCO85 RS07725 WP 011946523.1   EALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFS  385
NTDB id 1110 NGFG RS09235 WP 003689817.1    DQLGFEPFQKKLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFA  367
NTDB id 151082 ADJ79 RS09925 WP 050715822.1 DALGYEPIEKERLMTAIERPYGMILVTGPTGSGKTVSLYTCLNLLNKPGVNISTAEDPAEINLPGINQVNMNDKAGLTFA  385
NTDB id 1058 ABD1 RS01615 WP 001274986.1    DALGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFA  380
NTDB id 1018 ACIAD RS01685 WP 004920473.1   DALGYEPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFA  380
consensus                                   * !!* * ** ****** *!*!**!*!!!!!!!!!*******!********!**!*!!!*!****!**!*******!**!*
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NTDB id 1306 DR RS10060 WP 027479822.1        RALRAFLRQDPDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVTRLEEMGIENFNISAAVMGVLAQRLVRRV   777
NTDB id 1028 TT RS08215 WP 011173991.1        RALRAFLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAITRLDEMGVEPFNISAALIGVLSQRLVRRV   780
NTDB id 1168 A1552VC RS11070 WP 000957200.1   EALRSFLRQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRL   456
NTDB id 1401 DSB67 RS12665 WP 010643259.1     EALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKL   456
NTDB id 1293 VP RS12240 WP 005479695.1        EALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKL   456
NTDB id 1251 GCO85 RS07725 WP 011946523.1     GALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQRLARKL   465
NTDB id 1110 NGFG RS09235 WP 003689817.1      AALKSFLRQDPDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRL   447
NTDB id 151082 ADJ79 RS09925 WP 050715822.1   VALRAFLRQDPDIIMVGEIRDLETADIAIKAAQTGHLVLSTLHTNDAPTTLTRMRNMGIAPFNIASSVILITAQRLARRL   465
NTDB id 1058 ABD1 RS01615 WP 001274986.1      AALKSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRL   460
NTDB id 1018 ACIAD RS01685 WP 004920473.1     AALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRL   460
consensus                                      !!**!!!!!!!***!!!!!!**!!*!!**!**!!**!*!**!!!!!*!*****!*  *!!***!!**********!!!*!**
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logo

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NTDB id 1306 DR RS10060 WP 027479822.1        CSECKQPTNADPE.VLRRLGISERDIRG..ANLMRGTGCPRCGGTGYKGRMGIHELMVMDDSLRRTIGAGRPAAEIRDVA   854
NTDB id 1028 TT RS08215 WP 011173991.1        CEHCKVEVKPDPE.TLRRLGLSEAEIQG..ARLYKGMGCERCGGTGYKGRYAIHELLVVDDEIRHAIVAGKSATEIKEIA   857
NTDB id 1168 A1552VC RS11070 WP 000957200.1   CKHCKIAVRPSAL.LQSQFAFQPNEI....LYEANAAGCNECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLA   530
NTDB id 1401 DSB67 RS12665 WP 010643259.1     CPYCRQPQEPNSQ.LQH.IGIANTEQ....IFQANPDGCNECT.HGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLA   529
NTDB id 1293 VP RS12240 WP 005479695.1        CPYCKQPQEHTVQ.LQH.LGIQTTDN....IFRANPDGCNECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLA   529
NTDB id 1251 GCO85 RS07725 WP 011946523.1     CNQCKAVRDDFTNQGLIELGFKEADLVN..LKLYKAVGCEQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLA   542
NTDB id 1110 NGFG RS09235 WP 003689817.1      CSSCKQEVERPSASALKEVGFTDEDLAK.DWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVA   526
NTDB id 151082 ADJ79 RS09925 WP 050715822.1   CPKCKEPTDIPNE.ALLEAGFTEEDLDG.SWTPYRPVGCDACN.NGYKGRVGIYQVMPISEEMQRIILADGSALEISDQA   542
NTDB id 1058 ABD1 RS01615 WP 001274986.1      CSQCKIPADIPKQ.SLLEMGFTEQDLAHPDFRVFQPVGCLECR.EGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAAS   538
NTDB id 1018 ACIAD RS01685 WP 004920473.1     CSQCKRPIQVPER.SLLEMGFTPEDLAQPEFQIFEPVGCHDCR.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATA   538
consensus                                      !  !* * *      * ****** **      *****!! *!   !!*!!******* ***** **** *******  **
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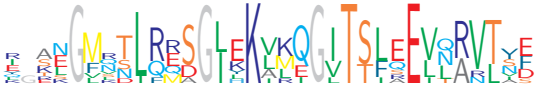
logo



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NTDB id 1306 DR RS10060 WP 027479822.1        LGESGLRSLRQDGIEKALQGLTTLEEVLAVTAS   887
NTDB id 1028 TT RS08215 WP 011173991.1        R.RKGMKTLREDGLYKALQGITTLEEVLARTIE   889
NTDB id 1168 A1552VC RS11070 WP 000957200.1   K.ANGMQTLQESGLEKLREGITSFAELQRVLYF   562
NTDB id 1401 DSB67 RS12665 WP 010643259.1     I.ANGMQTLQMSGIEKLKQGITSFRELQRVLYF   561
NTDB id 1293 VP RS12240 WP 005479695.1        I.ANGMSTLQMSGIEKLKQGITSFSELQRVLYF   561
NTDB id 1251 GCO85 RS07725 WP 011946523.1     Q.SEGMLTIFQSGIEKVKEGITTIEEVNRVTVD   574
NTDB id 1110 NGFG RS09235 WP 003689817.1      Y.KEGMVDLRRAGILKIMQGITSLEEVTANTND   558
NTDB id 151082 ADJ79 RS09925 WP 050715822.1   R.SEGVRSLRESGLHKVKIGVTSLEEVLAVTNE   574
NTDB id 1058 ABD1 RS01615 WP 001274986.1      E.KLGFNNLRRSGLKKVMQGVTSLQEVNRVTSE   570
NTDB id 1018 ACIAD RS01685 WP 004920473.1     E.TLGFNNLRRSGLKKVMQGVTSLQEINRVTSE   570
consensus                                        !* *** *!**!* *!*!***!***** *
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X non conserved
X similar
X ≥ 50% conserved