logo


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NTDB id 1028 TT RS08215 WP 011173991.1        MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK  80
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ..........................................................................  0
NTDB id 1293 VP RS12240 WP 005479695.1        ..........................................................................  0
NTDB id 99797 AL536 RS30940 WP 061056142.1    ..........................................................................  0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ..........................................................................  0
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..........................................................................  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 1401 DSB67 RS12665 WP 010643259.1     ..........................................................................  0
NTDB id 1293 VP RS12240 WP 005479695.1        ..........................................................................  0
NTDB id 99797 AL536 RS30940 WP 061056142.1    ..........................................................................  0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ..........................................................................  0
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..........................................................................  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 99797 AL536 RS30940 WP 061056142.1    ..........................................................................  0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ..........................................................................  0
NTDB id 1110 NGFG RS09235 WP 003689817.1      ..........................................................................  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 1028 TT RS08215 WP 011173991.1       LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSREAL   320
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NTDB id 1110 NGFG RS09235 WP 003689817.1     .....................................................................     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 1410 SGL RS13950 WP 010873519.1      SKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLYGVD    86
NTDB id 1028 TT RS08215 WP 011173991.1       KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQ..SGKLRPEALAQA.......VATQLGYP   391
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ...........MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLS..SGFFQSHELTEH.......LSSVFGLS    60
NTDB id 1293 VP RS12240 WP 005479695.1       ...........MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLS..SGFFTSSELAEH.......LSSIFGLS    60
NTDB id 99797 AL536 RS30940 WP 061056142.1   ...........MLTNLLAILRQADLLSPTQEQAVMDHIHASGTNVPEALID..LAIFHHHELTEH.......LSQIFGLP    60
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ...........MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.......LSHIFGLP    60
NTDB id 1110 NGFG RS09235 WP 003689817.1     ...........MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFS..DGVISPKSLAAL.......IARVFSYS    59
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.......AAQNFGVP    68
NTDB id 1058 ABD1 RS01615 WP 001274986.1     ...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.......ISAEFAEP    68
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ...MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLID..NFSISPLTIAEI.......ISLEFGEP    68
consensus                                              * * *  *!** **** **   ********* **** **    * ***  ***         ** *****
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NTDB id 1028 TT RS08215 WP 011173991.1       YVDPEEDPPD.....PGAPLLLPEDLCRRYGVFPHRLE...GNRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVAT   463
NTDB id 1401 DSB67 RS12665 WP 010643259.1    CTSLNQYEYA.....SLCQTLGLRDLITRHNALPLNRT...SSTLILAVADPTNLQAEDDFRFATG.....LQVELVLAD   127
NTDB id 1293 VP RS12240 WP 005479695.1       QPELSQYEYA.....SLCQQLGLRELITRHNALPLHRT...PSTLLLAVADPTNQQAEDDFRFATG.....LQVELVLAD   127
NTDB id 99797 AL536 RS30940 WP 061056142.1   NTDLTRFDFA.....PLCQQLGLRELITRCQALPLNSN...GQILTLAVSDPTHLQVEDEFRFATG.....LQIELVLAD   127
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ETDLSRYDYA.....NLCQQLGLRELITRYDALPIAKQ...GNLLLLAVSDPTLLQAEEEFRFATG.....LQVELALAD   127
NTDB id 1110 NGFG RS09235 WP 003689817.1     ILDLRHYPRH.....RVLMGVLTEEQMVEFHCVPVFRR...GDKVFFAVSDPTQMPQIQKTVSAAG.....IAVELVIVE   126
NTDB id 1251 GCO85 RS07725 WP 011946523.1    MLDINCIDVG.....TIPVNLVNEKLIKRHAMVPLFSR...GTNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVE   135
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
consensus                                     ***  ** *       *   **  *** **  *!*      *  *******!*** **********     ******* *
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NTDB id 1028 TT RS08215 WP 011173991.1      EAAITKLIERFYGKAELSEIAKEF.........................AKKQAEEEVPSPLELDESAAQKFVKQVIREA  518
NTDB id 1401 DSB67 RS12665 WP 010643259.1   FRELTAAIRRLYGRSLGQEKSGLK..EI.NQDELAGL...........VDIGEDEIENIEDLSQDESPVSRYINQILLDA  193
NTDB id 1293 VP RS12240 WP 005479695.1      FRELSTAIRRLYGRSLSHEKSGLK..EI.NQEELASL...........VDVGADEIDNIEDLSQDESPVSRYINQILLDA  193
NTDB id 99797 AL536 RS30940 WP 061056142.1  HKALQAAIRRLYGRAIASHGTLGK..EI.SQDELASL...........VQVSDDEKTSIEDLSQDDSPVSRFINQILLDA  193
NTDB id 1168 A1552VC RS11070 WP 000957200.1 HRALQAAIRRLYGRSIQGAANQGK..EI.SQDELANL...........VKVSDDELQSIEDLSQDDSPVSRFINQVLLDA  193
NTDB id 1110 NGFG RS09235 WP 003689817.1    DDQLAGLLDWVGSRSTSL..LQEL.........GEG...........QEEEESHTLYIDNEEAEDGPVPRFIHKTLSDA  183
NTDB id 1251 GCO85 RS07725 WP 011946523.1   TDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLEIS...........AD.DEDQDIDTATSVTDDAPIVKFVNKILLDA  202
NTDB id 1058 ABD1 RS01615 WP 001274986.1    HHKLEKVLGQHFAEESSFDFNDE...EF.D...LDVN...........LDGPTAQEDEEEAPQGDEAPIVKYINKLLIDA  197
NTDB id 1018 ACIAD RS01685 WP 004920473.1   HDKLERLLSEHFVEETHFNFDTE...EL.D...LDVE...........VDPHTTDDDDEDDKLKDEAPIVKYINKLLIDA  197
consensus                                      * *** *****     *   **  **   * ** *             **  ***** ****  ***** **** ****!
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NTDB id 1410 SGL RS13950 WP 010873519.1     LQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKIIPAVVARFKIMADMDIAERRSPQDGKIRRIYQ..GRKVDFRV  322
NTDB id 1028 TT RS08215 WP 011173991.1      FLQDASDIHIEPRQNDVQVRLRIDGALRPYSTL.PKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYR..EGAIDVDLRL  595
NTDB id 1401 DSB67 RS12665 WP 010643259.1   VRKGASDIHFEPYENMYRVRLRCDGILIEIQQP.PSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRV  271
NTDB id 1293 VP RS12240 WP 005479695.1      VRKGASDIHFEPYEKMYRVRLRCDGILIETQQP.PNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRV  271
NTDB id 99797 AL536 RS30940 WP 061056142.1  VRKGASDIHFEPYESFYRIRLRCDGILVEIQQP.ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLNA.DTAIDMRV  271
NTDB id 1168 A1552VC RS11070 WP 000957200.1 VRKGASDIHFEPYENQYRIRLRCDGILVETQQP.ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRV  271
NTDB id 1110 NGFG RS09235 WP 003689817.1    LRSGASDIHFEFYEHNARIRFRVDGQLREVVQP.PIAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRV  262
NTDB id 1251 GCO85 RS07725 WP 011946523.1   IRQGASDIHFEPYEREYRIRYRQDGILHEVATP.PASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRV  280
NTDB id 1058 ABD1 RS01615 WP 001274986.1    IRMGASDLHFEPYEKSYRVRYRVDGVLRQIANP.PLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRV  275
NTDB id 1018 ACIAD RS01685 WP 004920473.1   IRMSASDLHFEPYEKSYRVRYRVDGVLRLIATP.PLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRV  275
consensus                                   ** **!!*!*!***  ***!*! !!*! ** **  *  ** ******!*******!*!*!*!!!!********  ***!*!*
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NTDB id 1028 TT RS08215 WP 011173991.1      STLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTPSILKRIATPDKNTQTI  675
NTDB id 1401 DSB67 RS12665 WP 010643259.1   STLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTA  351
NTDB id 1293 VP RS12240 WP 005479695.1      STLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTA  351
NTDB id 99797 AL536 RS30940 WP 061056142.1  STLPTLWGEKIVLRLLDSSASSLDIDKLGYNDAQKQLYLAALTKPQGMILMTGPTGSGKTVSLYTGLRILNTDEVNISTA  351
NTDB id 1168 A1552VC RS11070 WP 000957200.1 STLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTA  351
NTDB id 1110 NGFG RS09235 WP 003689817.1    STLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQKKLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATA  342
NTDB id 1251 GCO85 RS07725 WP 011946523.1   STCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTA  360
NTDB id 1058 ABD1 RS01615 WP 001274986.1    NSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTA  355
NTDB id 1018 ACIAD RS01685 WP 004920473.1   NSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTA  355
consensus                                   ***!***!!!***!*!*** * **** !** * ********** *!*!**!*!!!!!!!!*******!*****  **!**!*
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NTDB id 1028 TT RS08215 WP 011173991.1       EDPVEYEIPGINQTQVNPQAGLTFARALRAFLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAITRLD  755
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NTDB id 1293 VP RS12240 WP 005479695.1       EDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLS  431
NTDB id 99797 AL536 RS30940 WP 061056142.1   EDPVEINLPGINQVQVQPKIGFGFAQALRSFLRQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAESVIRLA  431
NTDB id 1168 A1552VC RS11070 WP 000957200.1  EDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLA  431
NTDB id 1110 NGFG RS09235 WP 003689817.1     EDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQDPDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRML  422
NTDB id 1251 GCO85 RS07725 WP 011946523.1    EDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLV  440
NTDB id 1058 ABD1 RS01615 WP 001274986.1     EDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLR  435
NTDB id 1018 ACIAD RS01685 WP 004920473.1    EDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLR  435
consensus                                    !!!*!****!**!*******!**!*  *!**!*!!!!!***!!!*!!**!!**!**!**!!!*!**!!!!!*!****  !*
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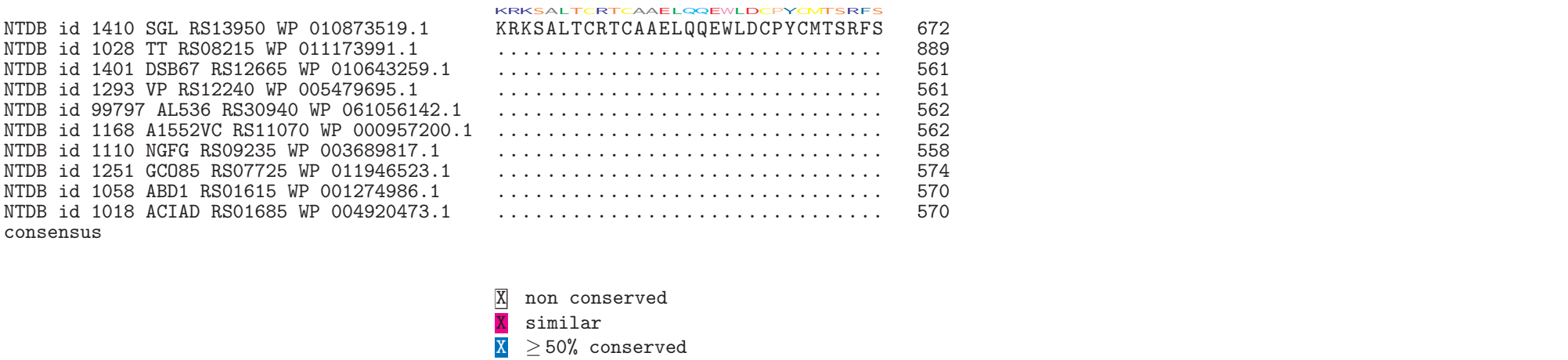


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NTDB id 1028 TT RS08215 WP 011173991.1       EMGVEPFNISAALIGVLSQRLVRRVCEHCKVEVK.PDPETLRRLGLSEAEIQ..G.............ARLYKGMGCERC  819
NTDB id 1401 DSB67 RS12665 WP 010643259.1    NMGVESFNLASSLSLIIAQRLARKLCPYCRQPQE.PNSQLQH.IGIANTEQ.................IFQANPDGCNEC  492
NTDB id 1293 VP RS12240 WP 005479695.1       NMGVESFNLASSLSLIIAQRLARKLCPYCKQPQE.HTVQLQH.LGIQTTDN.................IFRANPDGCNEC  492
NTDB id 99797 AL536 RS30940 WP 061056142.1   NMGIEPFNLASSLSLIIAQRLARRLCPHCKVATS.PSPTLQQQFHLSSQQP.................IYAANPSGCNEC  493
NTDB id 1168 A1552VC RS11070 WP 000957200.1  NMGVEPFNLASSLSLIIAQRLARRLCKHCKIAVR.PSALLQSQFAFQPNEI.................LYEANAAGCNEC  493
NTDB id 1110 NGFG RS09235 WP 003689817.1     NMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVERPSASALKEVGFTDEDLAK.D.............WKLYRAVGCDRC  488
NTDB id 1251 GCO85 RS07725 WP 011946523.1    NMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTNQGLIELGFKEADLV..N.............LKLYKAVGCEQC  505
NTDB id 1058 ABD1 RS01615 WP 001274986.1     NMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.DIPKQSLLEMGFTEQDLAHPD.............FRVFQPVGCLEC  501
NTDB id 1018 ACIAD RS01685 WP 004920473.1    NMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.QVPERSLLEMGFTPEDLAQPE.............FQIFEPVGCHDC  501
consensus                                    *!!***!**********!!!*!**!  !**   **   *  ****  **                 * ******!**!
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NTDB id 1410 SGL RS13950 WP 010873519.1      SGSGYKGRVGVYEVMRNSERIAELINQGATTDRIKDCAVEEGMITLLAYSLNLVQEGYTTLEEVERVTFTDTGLESEMRA  641
NTDB id 1028 TT RS08215 WP 011173991.1       GGTGYKGRYAIHELLVVDDEIRHAIVAGKSATEIKETARRKGMKTLREDGLYKALQGITTLEEVLARTIF..........  889
NTDB id 1401 DSB67 RS12665 WP 010643259.1    T.HGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAIANGMQTLQMSGIEKLKQGITSFRELQRVLYF..........  561
NTDB id 1293 VP RS12240 WP 005479695.1       T.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIANGMSTLQMSGIEKLKQGITSFSELQRVLYF..........  561
NTDB id 99797 AL536 RS30940 WP 061056142.1   T.NGYSGRVGIYEVMAFNSALAEAIMQRASIHQIESIAQQHGMQTLLQSGIEKLRAGITSFSELQRVLYF..........  562
NTDB id 1168 A1552VC RS11070 WP 000957200.1  T.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAKANGMQTLQESGLEKLREGITSFAELQRVLYF..........  562
NTDB id 1110 NGFG RS09235 WP 003689817.1     RGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAYKEGMVDLRRAGILKIMQGITSLEEVTANTND..........  558
NTDB id 1251 GCO85 RS07725 WP 011946523.1    T.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQSGIEKVKEGITTIEEVNRVTVD..........  574
NTDB id 1058 ABD1 RS01615 WP 001274986.1     R.EGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASEKLGFNNLRRSGLKKVMQGVTSLQEVNRVTSE..........  570
NTDB id 1018 ACIAD RS01685 WP 004920473.1    R.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAETLGFNNLRRSGLKKVMQGVTSLQEINRVTSE..........  570
consensus                                    *  !!*!!****!********* **** ***  **  **   !****  *********!*!** !*******
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KRKSALTCRTCAAELQQEWLDCPYCMTSRFS
NTDB id 1410 SGL RS13950 WP 010873519.1 KRKSALTCRTCAAELQQEWLDCPYCMTSRFS 672
NTDB id 1028 TT RS08215 WP 011173991.1 889
NTDB id 1401 DSB67 RS12665 WP 010643259.1 561
NTDB id 1293 VP RS12240 WP 005479695.1 561
NTDB id 99797 AL536 RS30940 WP 061056142.1 562
NTDB id 1168 A1552VC RS11070 WP 000957200.1 562
NTDB id 1110 NGFG RS09235 WP 003689817.1 558
NTDB id 1251 GCO85 RS07725 WP 011946523.1 574
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 ≥ 50% conserved