```
                                MSXLTIGDRRLGAALLDRGYLTDNELQRALERHREVGGRLAEVLYDSGLYSERRIAETIEERGIPLVELHRVETEPKXK

NTDB id 1410 SGL RS13950 WP 010873519.1      ..............................................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1       MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK   80
NTDB id 1306 DR RS10060 WP 027479822.1       .MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL   79
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 1058 ABD1 RS01615 WP 001274986.1     ..............................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ..............................................................................    0
NTDB id 1066206 ACF0KO RS19950 WP 064030935.1 .............................................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..............................................................................    0
consensus
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                                RETRPETAEKAKNLRAIPFALEEEAGKYRVAFYNPLETFSTEEYEDLIGFMYEPYQTTREMLYALAKHYPELGLEYVVPSGA

NTDB id 1410 SGL RS13950 WP 010873519.1      ..............................................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1       ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P  158
NTDB id 1306 DR RS10060 WP 027479822.1       RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA  157
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 1058 ABD1 RS01615 WP 001274986.1     ..............................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ..............................................................................    0
NTDB id 1066206 ACF0KO RS19950 WP 064030935.1 .............................................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..............................................................................    0
consensus
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                                SGEGRTELKLGERLTEKGYITEERLEVALVEQERTGEALGRTLYSBRATTEERLYEXLAEQEGTEFLENTEGAMPEEEXK

NTDB id 1410 SGL RS13950 WP 010873519.1      ..............................................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1       SGEGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA  237
NTDB id 1306 DR RS10060 WP 027479822.1       SDAGRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL  237
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 1058 ABD1 RS01615 WP 001274986.1     ..............................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ..............................................................................    0
NTDB id 1066206 ACF0KO RS19950 WP 064030935.1 .............................................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ..............................................................................    0
consensus
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NTDB id 1410 SGL RS13950 WP 010873519.1	....MTS	3
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSR	317
NTDB id 1306 DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSR	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 1058 ABD1 RS01615 WP 001274986.1	....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	....	0
NTDB id 1066206 ACF0KO RS19950 WP 064030935.1	....	0
NTDB id 1251 GCO85 RS07725 WP 011946523.1	....	0
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	SSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLY	83
NTDB id 1028 TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGETLVELGLARPEDVEEALQKQRRGGGRLEDTLV..QSGKLRPEALAQA.......VATQL	388
NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLV..QSGKLSPEMLARS.......LAAQL	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	...........MLINLSTVLRQAGILTFSQEESLLEQVKASGISMPEALL.SSGFFQSHELTEH......LSSVF	57
NTDB id 1110 NGFG RS09235 WP 003689817.1	...........MSVGLLRILVQNQVVTVEQAEHYYNESQAG.KEVLPMLF.SDGVISPKSLAAL......IARVF	56
NTDB id 1058 ABD1 RS01615 WP 001274986.1	......MSALHTSPKFIGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLI.EEVHLSPSLLAET......ISAEF	65
NTDB id 1018 ACIAD RS01685 WP 004920473.1	......MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLI.DNFSISPLTTIAEI......ISLEF	65
NTDB id 1066206 ACF0KO RS19950 WP 064030935.1	......MATAPSNIHFSGLAKCLIQKGLLTEETAAAYLQEAQKRKQAFVSYLV.EHKVLDSRTVASI......ASAEF	65
NTDB id 1251 GCO85 RS07725 WP 011946523.1	......MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIV..KNKILSAEQIALT......AAQNF	65
consensus	* * * * **** * * * ** *** ** ** *	

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NTDB id 1410 SGL RS13950 WP 010873519.1	GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRL	161
NTDB id 1028 TT RS08215 WP 011173991.1	GYPYVDPEEDPPD.....PGAPLLLPEDLCRRYGVFPHRLEG..NRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPA	460
NTDB id 1306 DR RS10060 WP 027479822.1	GYEFLDPIQNPPD.....PKVALMIPEATARRYVVVPVRLQG..NSLVVAMKDPRNVFALDDLKLITG.....KEILPA	455
NTDB id 1168 A1552VC RS11070 WP 000957200.1	GLPETDLSRYDYA.....NLCQQLGLRELITRYDALPIAKQG..NLLLLAVSDPTLLQAEEEFRFATG.....LQVELA	124
NTDB id 1293 VP RS12240 WP 005479695.1	GLSQPELSQYEYA.....SLCQQLGLRELITRHNALPLHRTP..STLLLAVADPTNQQAEDDFRFATG.....LQVELV	124
NTDB id 1401 DSB67 RS12665 WP 010643259.1	GLSCTSLNQYEYA.....SLCQTLGLRDLITRHNALPLNRTS..STLILAVADPTNIQAEDDFRFATG.....LQVELV	124
NTDB id 1110 NGFG RS09235 WP 003689817.1	SYSILDLRHYPRH.....RVLMGVITEEQMVEFHCVPVFRRG..DKVFFAVSDPTQMPQTQKTVSAAG.....TAVELV	123
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AEPYFDLDVYDTS.....QIPKDLVDQKLILKHRILPLIQRG..QILYVATSNPSNIEAIDAIRFNSK.....LLVEPV	132
NTDB id 1018 ACIAD RS01685 WP 004920473.1	GEPLLDLGVFDPA.....LFLKDKIDEKLIQKYRIMPLVHRG..HVLYVATSNPTNIEAMDAIRFNSK.....LKVEPI	132
NTDB id 1066206 ACF0KO RS19950 WP 064030935.1	GVPFFDLDAIDVA.....SLPIKMVSEKLIRQHHALPLFKRG..NRLFVATDPTNFQALDEIKFHTR.....HNTENI	132
NTDB id 1251 GCO85 RS07725 WP 011946523.1	GVPMLDINCIDVG....TIPVNLVNEKLIKRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAI	132
consensus	*** *** ** * * ** **** * !* * ***** !*** ******** ** * ** *	

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NTDB id 1410 SGL RS13950 WP 010873519.1	VVTQDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNKIL	241
NTDB id 1028 TT RS08215 WP 011173991.1	VATEAAITKLIERFYGKAELSEIAK........................EFAKKQAEEE.V..PSPLELDESAAQKFVKQVI	515
NTDB id 1306 DR RS10060 WP 027479822.1	VMAEKDIIRLIERYFGEKGFEKLNK........................ELAERNKTQQ.SQEADLSVADESAIVQVVDSII	512
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LADHRALQAAIRRLYGRSIQGAANQGKEISQD.........ELANLVKVSD..DE.LQSIEDLSQDDSPVSRFINQVL	190
NTDB id 1293 VP RS12240 WP 005479695.1	LADFRELSTAIRRLYGRSLSHEKSGLKEINQE.........ELASLVDVGA..DE.IDNIEDLSQDESPVSRYINQIL	190
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LADFRELTAAIRRLYGRSLGQEKSGLKEINQD.........ELAGLVDIGE..DE.IENIEDLSQDESPVSRYINQIL	190
NTDB id 1110 NGFG RS09235 WP 003689817.1	IVEDDQLAGLLDWVGSRSTS.LLQELGEGQEE.........EES...........H.TLYIDNEEAEDGPVPRFIHKTL	180
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IVEHHKLEKVLGQHFAEESSFDFN......DE.........EFDLDVNLDGPTAQ.EDEEEAPQGDEAPIVKYINKLL	194
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IVEHDKLERLLSEHFVEETHFNFD......TE.........ELDLDVEVDPHTTD.DDDEDDKLKDEAPIVKYINKLL	194
NTDB id 1066206 ACFOKO RS19950 WP 064030935.1	LVEEDKLMKMIDTALEAADTSM.KDLL..DDD.........LDNIDISAGDEAKP.AEEVGGSDIDDAPIVRFVNKIL	197
NTDB id 1251 GCO85 RS07725 WP 011946523.1	VVETDKLSALIDNLLTAKESQGLSEYVEDSGD..........LEGLEISADDEDQD..IDTATSVTDDAPIVKFVNKIL	199

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NTDB id 1410 SGL RS13950 WP 010873519.1	AKALQEGTSDIHVEPQEETLRIRERKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQ..GRKVD	319
NTDB id 1028 TT RS08215 WP 011173991.1	REAFLQDASDIHIEPRQNDVQVRLRIDGALRPYST.LPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRY..REGAIDVD	592
NTDB id 1306 DR RS10060 WP 027479822.1	REAALQDASDIHIETTEDAVKVRYRIDGALREQNS.FPKGAAQQIMARLKIMGHLDIAERRVPQDGRVRF..KKGSIDLD	589
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQ.PASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRISR.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	SDALRSGASDIHFEFYEHNARIRERVDGQLREVVQ.PPIAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVD	259
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIAN.PPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAID	272
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIAT.PPLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTID	272
NTDB id 1066206 ACFOKO RS19950 WP 064030935.1	LDSIKRGVSDIHMEPREKKFRIRERADGILSEVAS.PPVGIANRIISRIKVMSKMDIAERRVPQDGRIKMQISK.NRAID	275
NTDB id 1251 GCO85 RS07725 WP 011946523.1	LDAIRQGASDIHFEPYEREYRIRYRQDGILHEVAT.PPASLSSRITARIKVMSNLDISERRIPQDGFKMKISK.SRAID	277

consensus

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NTDB id 1410 SGL RS13950 WP 010873519.1	FRVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNI	399
NTDB id 1028 TT RS08215 WP 011173991.1	LRISTLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFITFSILKRIATPDKNT	672
NTDB id 1306 DR RS10060 WP 027479822.1	LRLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNYARYTEIIERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNT	669
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYLNALKRPQGMLMTGPTGSGKTVSLYTGLRILNTSQINI	348
NTDB id 1293 VP RS12240 WP 005479695.1	MRVSTLPTLFGEKIVLRLLDSSASLDIDKLGYSEQQKQLYLEALRRPQGMLMTGPTGSGKTVSLYTGLNILNKPEINI	348
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MRVSTLPTLFGEKIVLRLLDSSAALDINKLGYSDSQKQLYLDALRRPQGMLMTGPTGSGKTVSLYTGLSILNKPEINI	348
NTDB id 1110 NGFG RS09235 WP 003689817.1	FRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQKKLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNI	339
NTDB id 1058 ABD1 RS01615 WP 001274986.1	FRVNSLPTLFGEKVLRILPSSAMLGIDALGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNI	352
NTDB id 1018 ACIAD RS01685 WP 004920473.1	FRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANI	352
NTDB id 1066206 ACFOKO RS19950 WP 064030935.1	FRVNTCPTLFGEKVVMRILDPTSAQIGIEKLGFEPVQQKNFLDAIHRPYGMVLVTGPTGSGKTVSLYTGLNILNSVERNI	355
NTDB id 1251 GCO85 RS07725 WP 011946523.1	FRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNFLKAIQRPQGMLVTGPTGSGKTVTLYTALNILNTIEVNI	357

consensus

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logo    [sequence logo]

NTDB id 1410 SGL RS13950 WP 010873519.1    NTAEDPIEYALPGITQVQVIREKGMDFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAAGAIA    479
NTDB id 1028 TT RS08215 WP 011173991.1     QTIEDPVEYEIPGINQTQVNPQAGLTFARALRAFLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAIT    752
NTDB id 1306 DR RS10060 WP 027479822.1     TTIEDPIEYEVPGIVQSQVNNSTGMTFARALRAFLRQDPDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVT    749
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 1058 ABD1 RS01615 WP 001274986.1   STAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLT   432
NTDB id 1018 ACIAD RS01685 WP 004920473.1  STAEDPVEINLEGVNQVNVNPKVGLTFAAALRAFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLT   432
NTDB id 1066206 ACF0KO RS19950 WP 064030935.1  STAEDPVEITVEGINQVNVNAKAGLTFAEALRAFLRQDPDIIMVGEIRDLETASIAVKAAQTGHLVLSTLHTNDAPQTIN   435
NTDB id 1251 GCO85 RS07725 WP 011946523.1  STAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLN   437
consensus     *!*!!!!****!*!*!!*!*!******!!**!*! *!*!*!!*!!!!*!**!!!!**!!*!!***!*!!*!*!!*!**!!!! !****
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NTDB id 1410 SGL RS13950 WP 010873519.1    RLDEMGVEPFMVSGSLLGVLAQRLMRKVCTECRIA.YHPSKEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKGNLC   558
NTDB id 1028 TT RS08215 WP 011173991.1     RLDEMGVEPFNISAALIGVLSQRLVRRVCEHCKVE.VKPDPETLRRLGLSEAEIQ..GA.............RLYKGMGC   816
NTDB id 1306 DR RS10060 WP 027479822.1     RLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQP.TNADPEVLRRLGISERDIR..GA.............NLMRGTGC   813
NTDB id 1168 A1552VC RS11070 WP 000957200.1  RLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIA.VRPSALLQSQFAFQPNEIL.............YEANAAGC   490
NTDB id 1293 VP RS12240 WP 005479695.1     RLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQP.QEHTVQL.QHLGIQTTDNI...............FRANPDGC   489
NTDB id 1401 DSB67 RS12665 WP 010643259.1  RLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQP.QEPNSQL.QHIGIANTEQI...............FQANPDGC   489
NTDB id 1110 NGFG RS09235 WP 003689817.1   RMLNMGVAPFNIASSVSLIMAQRLRRLCSSCKQEVERPSASALKEVGFTDEDLAK.DW.............KLYRAVGC   485
NTDB id 1058 ABD1 RS01615 WP 001274986.1   RLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIP.ADIPKQSLLEMGFTEQDLAHPDF.............RVFQPVGC   498
NTDB id 1018 ACIAD RS01685 WP 004920473.1  RLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRP.IQVPERSLLEMGFTPEDLAQPEF.............QIFEPVGC   498
NTDB id 1066206 ACF0KO RS19950 WP 064030935.1  RLVQMGIEPFNIVSAVNLIMAQRLARRLCEHCKKE.ADFPENIWLSAGFSKEEIG..TF.............KIYEPVGC   499
NTDB id 1251 GCO85 RS07725 WP 011946523.1  RLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTNQGLIELGFKEADLV..NL.............KLYKAVGC   502
consensus     !* *!!** !******* ****!!!*!**!  !* !*         *   **** ***!  **    ** ***!
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NTDB id 1410 SGL RS13950 WP 010873519.1    QKCSGSGYKGRVGVYEVMRNSERIAELINQGATTDRIKDCAV.EEGMITILAYSLNLVQEGYTTLEEVERVTFTDTGLES   637
NTDB id 1028 TT RS08215 WP 011173991.1     ERCGGTGYKGRYAIHELLVVDDEIRHAIVAGKSATEIKETAR.RKGMKTLREDGLYKALQGITTLEEVLARTIE......   889
NTDB id 1306 DR RS10060 WP 027479822.1     PRCGGTGYKGRMGIHELVMDDSLRRTIGACRPAAEIRDVALGESGLRSLRQDGIEKALQGLTTLEEVLAVTAS......   887
NTDB id 1168 A1552VC RS11070 WP 000957200.1  NECT.GGYSGRVGIYEVMAFNTELAEAAIMQRASIHQIERLAK.ANGMQTLQESGLEKLREGITSFAELQRVLYF......   562
NTDB id 1293 VP RS12240 WP 005479695.1     NECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAI.ANGMSTLQMSGIEKLKQGITSFSELQRVLYF......   561
NTDB id 1401 DSB67 RS12665 WP 010643259.1  NECT.HGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAI.ANGMQTLQMSGIEKLKQGITSFRELQRVLYF......   561
NTDB id 1110 NGFG RS09235 WP 003689817.1   DRCRGGGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAY.KEGMVDLRRAGILKIMQGITSLEEVTANTND......   558
NTDB id 1058 ABD1 RS01615 WP 001274986.1   LECR.EGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASE.KLGFNNLRRSGLKKVMQGVTSLQEVNRVTSE......   570
NTDB id 1018 ACIAD RS01685 WP 004920473.1  HDCR.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAE.TLGFNNLRRSGLKKVMQGVTSLQEINRVTSE......   570
NTDB id 1066206 ACF0KO RS19950 WP 064030935.1  EHCN.NGYKGRVGIYQVMPISEAMRALILRGGNAMDMAALSK.TEGINDLRASGLLKIRQGITSLEEIDRVTKE......   571
NTDB id 1251 GCO85 RS07725 WP 011946523.1  EQCT.SGYRGRVGLFEVLPMTKELGQLIMSGCNSLDILKLAQ.SEGMLTIFQSGIEKVKEGITTIEEVNRVTVD......   574
consensus      !    !!*!!***** ***** ** ***  ** !  **   ** !* *** ***  ** *!*!***!***** *
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EMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS

NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	....	889
NTDB id 1306 DR RS10060 WP 027479822.1	....	887
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 1058 ABD1 RS01615 WP 001274986.1	....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	....	570
NTDB id 1066206 ACFOKO RS19950 WP 064030935.1	....	571
NTDB id 1251 GCO85 RS07725 WP 011946523.1	....	574

consensus

X non conserved
X similar
X ≥ 50% conserved