logo


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NTDB id 1259 GCO85 RS10305 WP 010947729.1    ..........................................................................  0
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NTDB id 1194 PAKAF RS01995 WP 003084552.1    ..........................................................................  0
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consensus
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NTDB id 1176 A1552VC RS01160 WP 000350195.1  ..........................................................................  0
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NTDB id 1259 GCO85 RS10305 WP 010947729.1    ..........................................................................  0
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NTDB id 1028 TT RS08215 WP 011173991.1       ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG  160
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consensus
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logo


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NTDB id 1081 FDQ49 RS05335 WP 006581387.1    ..................................................  0
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consensus
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logo


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NTDB id 1410 SGL RS13950 WP 010873519.1      ....................MTSSSSSKK....................SRA.....................  12
consensus
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logo


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NTDB id 1259 GCO85 RS10305 WP 010947729.1    ..................................................    0
NTDB id 1202 PSJM300 01600 AFN76400.1        ..................................................    0
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NTDB id 1020 ACIAD RS04210 WP 011182164.1    ..................................................    0
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1    ..................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1       KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTL..VQSGKLRPEALAQAV.......ATQLGYP   391
NTDB id 1410 SGL RS13950 WP 010873519.1      ...VA...LRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLYGVD    86
consensus
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logo


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NTDB id 114979 W908 RS03220 WP 053819901.1   ..................................................    0
NTDB id 1307 DR RS10055 WP 010888596.1       ..................................................    0
NTDB id 1116 NGFG RS10615 WP 003690200.1     ..................................................    0
NTDB id 1086 NMV RS00245 WP 002218487.1      ..................................................    0
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NTDB id 1259 GCO85 RS10305 WP 010947729.1    ..................................................    0
NTDB id 1202 PSJM300 01600 AFN76400.1        ..................................................    0
NTDB id 1194 PAKAF RS01995 WP 003084552.1    ..................................................    0
NTDB id 1020 ACIAD RS04210 WP 011182164.1    ..................................................    0
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NTDB id 1040 HON27 RS13360 WP 000355489.1    ..................................................    0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    ..................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1       YVDPEEDPPDP.....GAPLLLPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVAT   463
NTDB id 1410 SGL RS13950 WP 010873519.1      SVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGFE..LRRLVVT   164
consensus
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logo

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NTDB id 1177 A1552VC RS01165 WP 000422572.1  ..........................................................MELNQY.LDGM   10
NTDB id 1203 PSJM300 01605 AFN76401.1        ..........................................................MEFEKL.LRLM   10
NTDB id 1019 ACIAD RS04205 WP 004922051.1    ..........................................................MDFNDL.LNLM   10
NTDB id 114979 W908 RS03220 WP 053819901.1   ..............................................................MNEIIGRYI    9
NTDB id 1307 DR RS10055 WP 010888596.1       ....................................................MTSGIDITDI.LRLA   14
NTDB id 1116 NGFG RS10615 WP 003690200.1     ..........................................................MQITDL.LAFG   10
NTDB id 1086 NMV RS00245 WP 002218487.1      ..........................................................MQITDL.LAFG   10
NTDB id 1185 GTF74 RS11940 WP 000350195.1    ..........................................................MDIAEL.LEFS   10
NTDB id 1176 A1552VC RS01160 WP 000350195.1  ..........................................................MDIAEL.LEFS   10
NTDB id 1283 ACE17W RS02630 WP 010947729.1   ..........................................................MDIAEL.LAFS   10
NTDB id 1259 GCO85 RS10305 WP 010947729.1    ..........................................................MDIAEL.LAFS   10
NTDB id 1202 PSJM300 01600 AFN76400.1        ..........................................................MDITEL.LAFS   10
NTDB id 1194 PAKAF RS01995 WP 003084552.1    ..........................................................MDITEL.LAFS   10
NTDB id 1020 ACIAD RS04210 WP 011182164.1    ..........................................................MDITEL.LAFS   10
NTDB id 1060 ABD1 RS04380 WP 000355489.1     ..........................................................MDITEL.LAFS   10
NTDB id 1040 HON27 RS13360 WP 000355489.1    ..........................................................MDITEL.LAFS   10
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    ..........................................................MDITEL.LAFS   10
NTDB id 1028 TT RS08215 WP 011173991.1       EAAITKLIERFYGKAELSEIAKEFAKK.....................QAEEEVPSPLE...LDESAAQKFVKQVIREA  518
NTDB id 1410 SGL RS13950 WP 010873519.1      QDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNKILAKA  244
consensus                                                                                  *** ** ****
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logo

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NTDB id 1177 A1552VC RS01165 WP 000422572.1  LTHKASDLYITVG...APILYRVDGELRAQGEAL.SVADV..TALLLHAMMDDARQAEFKQTREANFAVVRD..SGRFRVS   82
NTDB id 1203 PSJM300 01605 AFN76401.1        VEKGGSDLFITAG...VPPSMKVNGKILPVNKTPMSPEMT..RETVHGVMNEQQRREFTENHECNFAISARG.IGRFRVS   84
NTDB id 1019 ACIAD RS04205 WP 004922051.1    AKHKASDLFITAG...VEPSLKINGEITPVSKTKLDGDMI..AQLIDSITTQKQRQEFIETHECNFAILNREKNERFRVS   85
NTDB id 114979 W908 RS03220 WP 053819901.1   EEYKFSDIHLKEN...QPVMLRVNGEMITPEEDVISSAQL..REFAHESLTEDQLTHFSEVRDVDLAIEVGD..YRFRVN   82
NTDB id 1307 DR RS10055 WP 010888596.1       ADKGASDIILAAG...LPPQFKLSGDYDAQGFEPLSASDT..RKLMYSMMNERQQRIFEEKRELDFSFALGD.KARFRVN   88
NTDB id 1116 NGFG RS10615 WP 003690200.1     AKNKASDLHLSSG...ISPMIRVHGDMRRINLPEMSAEEV..GNMVTSVMNDHQRKIYQQNLEVDFSFELPN.VARFRVN   84
NTDB id 1086 NMV RS00245 WP 002218487.1      AKNKASDLHLSSG...ISPMIRVHGDMRRINLPEMSAEEV..GNMVTSVMNDHQRKIYQQNLEVDFSFELPN.VARFRVN   84
NTDB id 1185 GTF74 RS11940 WP 000350195.1    VKHNASDLHLSAG...VPPMVRIDGEVRKLGVPAFTHSDV..HRLIFEIMNDAQRSEYEEKLEVDFSFELPN.VGRFRVN   84
NTDB id 1176 A1552VC RS01160 WP 000350195.1  VKHNASDLHLSAG...VPPMVRIDGEVRKLGVPAFTHSDV..HRLIFEIMNDAQRSEYEEKLEVDFSFELPN.VGRFRVN   84
NTDB id 1283 ACE17W RS02630 WP 010947729.1   VKNKSSDLHISAG...MPPMIRVDGDLRKINLPPLEHKDV..IKIIYDIMNDRQRKEYEEFFETDFSFEIAN.LARFRVN   84
NTDB id 1259 GCO85 RS10305 WP 010947729.1    VKNKSSDLHISAG...MPPMIRVDGDLRKINLPPLEHKDV..IKIIYDIMNDRQRKEYEEFFETDFSFEIAN.LARFRVN   84
NTDB id 1202 PSJM300 01600 AFN76400.1        AKQGASDLHLSSG...LPPMIRVDGDVRRINLPAMDHKQV..HALIYDIMNDKQRKDFEEFLETDFSFEVPG.VARFRVN   84
NTDB id 1194 PAKAF RS01995 WP 003084552.1    AKQGASDLHLSAG...LPPMIRVDGDVRRINLPPLEHKQV..HALIYDIMNDKQRKDFEEFLETDFSFEVPG.VARFRVN   84
NTDB id 1020 ACIAD RS04210 WP 011182164.1    VQNRASDLHLSAG...IPPMIRVDGEVRRINLPAMDHSEV..HNLIYDIMNDKQRRDYEEKLETDFSFEVPN.LARFRVN   84
NTDB id 1060 ABD1 RS04380 WP 000355489.1     VKNGASDLHLSAG...MPPMIRVDGEVRRINLPALEHKDV..HRLVYDIMNDKQRRDYEEKLETDFSFEVPN.VARFRVN   84
NTDB id 1040 HON27 RS13360 WP 000355489.1    VKNGASDLHLSAG...MPPMIRVDGEVRRINLPALEHKDV..HRLVYDIMNDKQRRDYEEKLETDFSFEVPN.VARFRVN   84
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    VKNGASDLHLSAG...MPPMIRVDGEVRRINLPALEHKDV..HRLVYDIMNDKQRRDYEEKLETDFSFEVPN.VARFRVN   84
NTDB id 1028 TT RS08215 WP 011173991.1       FLQDASDIHIEPRQNDVQVRLRIDGALR.PYSTL.PKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYREGAIDVDLRLS  596
NTDB id 1410 SGL RS13950 WP 010873519.1      LQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPL.PRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQGRKVDFRVN  323
consensus                                    *** *!!****** ********!******** * * **  ********************* ** ******** ****!**
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NTDB id 1177 A1552VC RS01165 WP 000422572.1  AFFQRELPGAVIRRIE..TRIPTFEELKLP....EVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHILTV  156
NTDB id 1203 PSJM300 01605 AFN76401.1        AFYQRNLAGMVLRRIE..TNIPTIEDLKLP....DVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHIISI  158
NTDB id 1019 ACIAD RS04205 WP 004922051.1    AFQQRDMPGMVIRRIE..TKIPSPDDLHLP....PILKELAMSKRGTIIFSGATGTGKSTSLASMIQHRNQHSKGHIITI  159
NTDB id 114979 W908 RS03220 WP 053819901.1   FFYTSDGLSAVLRKIE..TNIPSMADLNLP....HVMQEIVDKPNGLVLVTGPTGSGKSTSLASIIDGINATKQGHILTI  156
NTDB id 1307 DR RS10055 WP 010888596.1       AFMQRGNVGGVMRLIP..TTVRTIAEMGLP....QTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHILTI  162
NTDB id 1116 NGFG RS10615 WP 003690200.1     AFNTGRGPAAVFRTIP..STVLSLEELKAP....SIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHILTI  158
NTDB id 1086 NMV RS00245 WP 002218487.1      AFNIGRGPAAVFRTIP..STVLSLEELKAP....SIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHILTI  158
NTDB id 1185 GTF74 RS11940 WP 000350195.1    AFHQARGCSAVFRTIP..TVIPTLEQLDAP....EIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHILTI  158
NTDB id 1176 A1552VC RS01160 WP 000350195.1  AFHQARGCSAVFRTIP..TVIPTLEQLDAP....EIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHILTI  158
NTDB id 1283 ACE17W RS02630 WP 010947729.1   AFNQSRGAAAVFRTIP..SEILSMEDLGLP....PIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHILTV  158
NTDB id 1259 GCO85 RS10305 WP 010947729.1    AFNQSRGAAAVFRTIP..SEILSMEDLGLP....PIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHILTV  158
NTDB id 1202 PSJM300 01600 AFN76400.1        AFNQNRGAGAVFRTIP..SKVLTMEDLGMG....EVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHILTI  158
NTDB id 1194 PAKAF RS01995 WP 003084552.1    AFNQNRGAGAVFRTIP..SKVLTMEELGMG....EVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHILTI  158
NTDB id 1020 ACIAD RS04210 WP 011182164.1    VFNQNRGAGAVFRTIP..SQVLTLEELGLG....KIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDHILTV  158
NTDB id 1060 ABD1 RS04380 WP 000355489.1     AFNQNRGAGAVFRTIP..SKVLTMEDLGLG....QIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHILTV  158
NTDB id 1040 HON27 RS13360 WP 000355489.1    AFNQNRGAGAVFRTIP..SKVLTMEDLGLG....QIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHILTV  158
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    AFNQNRGAGAVFRTIP..SKVLTMEDLGLG....QIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHILTV  158
NTDB id 1028 TT RS08215 WP 011173991.1       TLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATP.DKNTQTI  675
NTDB id 1410 SGL RS13950 WP 010873519.1      TLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSP.EVNINTA  402
consensus                                    **** ** ****!***  * **********      ******  **!******!*!!*!!!**********  *  *****
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NTDB id 1177 A1552VC RS01165 WP 000422572.1  EDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQALE  236
NTDB id 1203 PSJM300 01605 AFN76401.1        EDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQALD  238
NTDB id 1019 ACIAD RS04205 WP 004922051.1    EDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQTLE  239
NTDB id 114979 W908 RS03220 WP 053819901.1   EDPIEYIHHPKECAISQREVGRDAKSFATALKASLREDPDVILVGELRDLETVQLAITAAETGHLVFGTLHTSGAPNTIN  236
NTDB id 1307 DR RS10055 WP 010888596.1       EDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPESID  242
NTDB id 1116 NGFG RS10615 WP 003690200.1     EDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAKTVD  238
NTDB id 1086 NMV RS00245 WP 002218487.1      EDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAKTVD  238
NTDB id 1185 GTF74 RS11940 WP 000350195.1    EDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAKTID  238
NTDB id 1176 A1552VC RS01160 WP 000350195.1  EDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAKTID  238
NTDB id 1283 ACE17W RS02630 WP 010947729.1   EDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATKTIN  238
NTDB id 1259 GCO85 RS10305 WP 010947729.1    EDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATKTIN  238
NTDB id 1202 PSJM300 01600 AFN76400.1        EDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTISAAKTID  238
NTDB id 1194 PAKAF RS01995 WP 003084552.1    EDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTID  238
NTDB id 1020 ACIAD RS04210 WP 011182164.1    EDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTID  238
NTDB id 1060 ABD1 RS04380 WP 000355489.1     EDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTID  238
NTDB id 1040 HON27 RS13360 WP 000355489.1    EDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTID  238
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    EDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTID  238
NTDB id 1028 TT RS08215 WP 011173991.1       EDPVEYEIPGINQTQVNPQ...AGLTFARALRAFLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAIT  752
NTDB id 1410 SGL RS13950 WP 010873519.1      EDPIEYALPGITQVQVIRE...KGMDFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAAGAIA  479
consensus                                    !!!*!***  ********************  *!****!**!!*!**!!*!* !****!***!*!!!!***!!!***!*****
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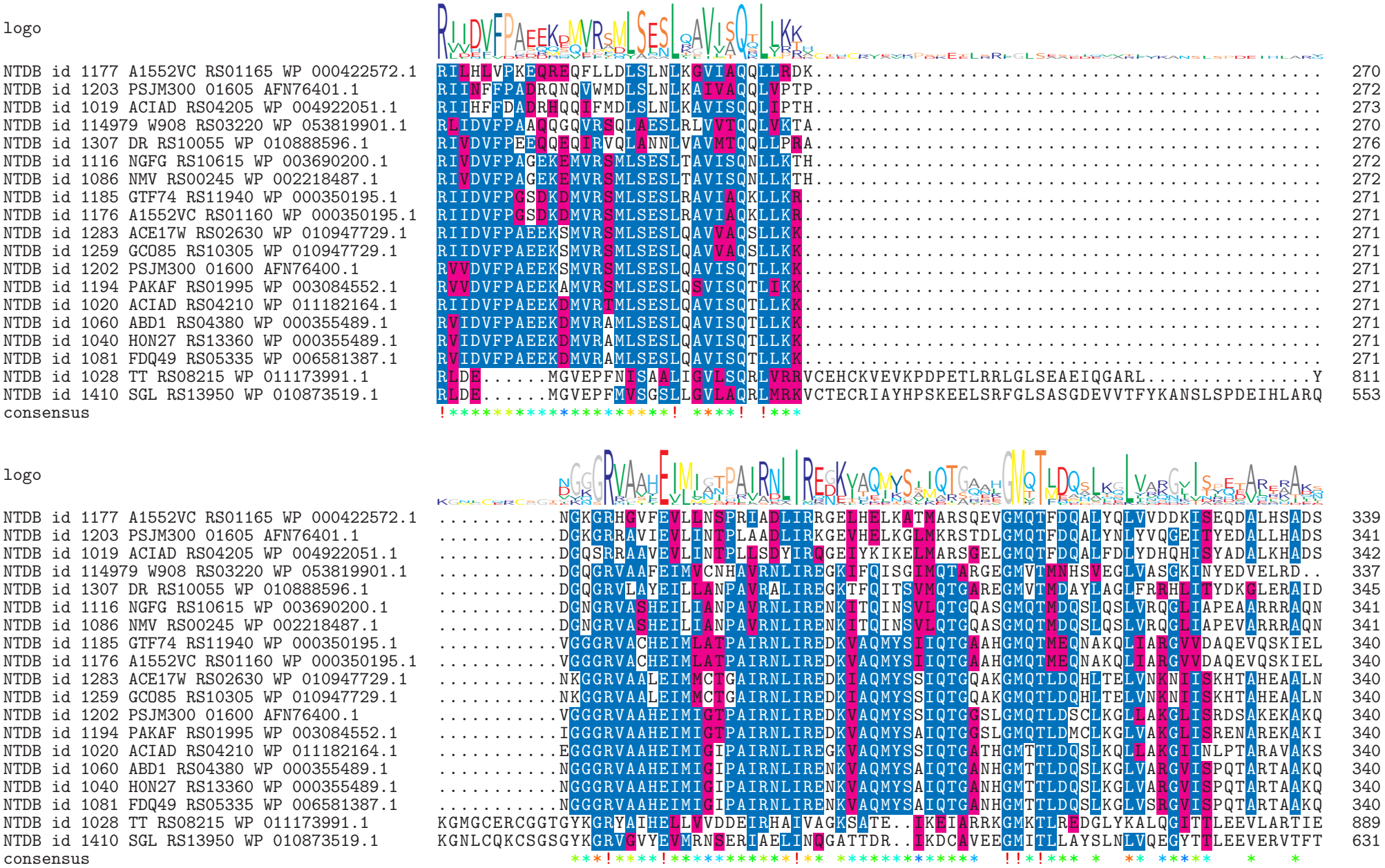
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consensus
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consensus

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consensus                                        *
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X non conserved

X similar

X ≥ 50% conserved