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logo
                                                      MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDVGTI
NTDB id 1251 GCO85 RS07725 WP 011946523.1             MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDVGTI   80
NTDB id 1177 A1552VC RS01165 WP 000422572.1           ..................................................................................   0
NTDB id 1203 PSJM300 01605 AFN76401.1                 ..................................................................................   0
NTDB id 1019 ACIAD RS04205 WP 004922051.1             ..................................................................................   0
NTDB id 1107457 ACN9LC RS08740 WP 001296360.1         ..................................................................................   0
NTDB id 1307 DR RS10055 WP 010888596.1                ..................................................................................   0
NTDB id 1086 NMV RS00245 WP 002218487.1               ..................................................................................   0
NTDB id 1116 NGFG RS10615 WP 003690200.1              ..................................................................................   0
NTDB id 1185 GTF74 RS11940 WP 000350195.1             ..................................................................................   0
NTDB id 1176 A1552VC RS01160 WP 000350195.1           ..................................................................................   0
NTDB id 1283 ACE17W RS02630 WP 010947729.1            ..................................................................................   0
NTDB id 1259 GCO85 RS10305 WP 010947729.1             ..................................................................................   0
NTDB id 1194 PAKAF RS01995 WP 003084552.1             ..................................................................................   0
NTDB id 1202 PSJM300 01600 AFN76400.1                 ..................................................................................   0
NTDB id 1020 ACIAD RS04210 WP 011182164.1             ..................................................................................   0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1             ..................................................................................   0
NTDB id 1060 ABD1 RS04380 WP 000355489.1              ..................................................................................   0
NTDB id 1040 HON27 RS13360 WP 000355489.1             ..................................................................................   0
consensus
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logo
                                                      PVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE
NTDB id 1251 GCO85 RS07725 WP 011946523.1             PVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE  160
NTDB id 1177 A1552VC RS01165 WP 000422572.1           ..................................................................................   0
NTDB id 1203 PSJM300 01605 AFN76401.1                 ..................................................................................   0
NTDB id 1019 ACIAD RS04205 WP 004922051.1             ..................................................................................   0
NTDB id 1107457 ACN9LC RS08740 WP 001296360.1         ..................................................................................   0
NTDB id 1307 DR RS10055 WP 010888596.1                ..................................................................................   0
NTDB id 1086 NMV RS00245 WP 002218487.1               ..................................................................................   0
NTDB id 1116 NGFG RS10615 WP 003690200.1              ..................................................................................   0
NTDB id 1185 GTF74 RS11940 WP 000350195.1             ..................................................................................   0
NTDB id 1176 A1552VC RS01160 WP 000350195.1           ..................................................................................   0
NTDB id 1283 ACE17W RS02630 WP 010947729.1            ..................................................................................   0
NTDB id 1259 GCO85 RS10305 WP 010947729.1             ..................................................................................   0
NTDB id 1194 PAKAF RS01995 WP 003084552.1             ..................................................................................   0
NTDB id 1202 PSJM300 01600 AFN76400.1                 ..................................................................................   0
NTDB id 1020 ACIAD RS04210 WP 011182164.1             ..................................................................................   0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1             ..................................................................................   0
NTDB id 1060 ABD1 RS04380 WP 000355489.1              ..................................................................................   0
NTDB id 1040 HON27 RS13360 WP 000355489.1             ..................................................................................   0
consensus
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logo
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NTDB id 1177 A1552VC RS01165 WP 000422572.1    ................................MELNQYLDGMLTHKASDLYITV...GAPILYRVDGELRAQGEAL.SVA    44
NTDB id 1203 PSJM300 01605 AFN76401.1          ................................MEFEKLLRLMVEKGGSDLFITA...GVPPSMKVNGKILPVNKTPMSPE    45
NTDB id 1019 ACIAD RS04205 WP 004922051.1      ................................MDFNDLLNLMAKHKASDLFITA...GVEPSLKINGEITPVSKTKLDGD    45
NTDB id 1107457 ACN9LC RS08740 WP 001296360.1  ................................MNMEEIVALSVKHNVSDLHLCS...AWPARWRIRGRMEA...APFDAP    42
NTDB id 1307 DR RS10055 WP 010888596.1         ............................MTSGIDITDILRLAADKGASDIILAA...GLPPQFKLSGDYDAQGFEPLSAS    49
NTDB id 1086 NMV RS00245 WP 002218487.1        ................................MQITDLLAFGAKNKASDLHLSS...GISPMIRVHGDMRRINLPEMSAE    45
NTDB id 1116 NGFG RS10615 WP 003690200.1       ................................MQITDLLAFGAKNKASDLHLSS...GISPMIRVHGDMRRINLPEMSAE    45
NTDB id 1185 GTF74 RS11940 WP 000350195.1      ................................MDIAELLEFSVKHNASDLHLSA...GVPPMVRIDGEVRKLGVPAFTHS    45
NTDB id 1176 A1552VC RS01160 WP 000350195.1    ................................MDIAELLEFSVKHNASDLHLSA...GVPPMVRIDGEVRKLGVPAFTHS    45
NTDB id 1283 ACE17W RS02630 WP 010947729.1     ................................MDIAELLAFSVKNKSSDLHISA...GMPPMIRVDGDLRKINLPPLEHK    45
NTDB id 1259 GCO85 RS10305 WP 010947729.1      ................................MDIAELLAFSVKNKSSDLHISA...GMPPMIRVDGDLRKINLPPLEHK    45
NTDB id 1194 PAKAF RS01995 WP 003084552.1      ................................MDITELLAFSAKQGASDLHLSA...GLPPMIRVDGDVRRINLPPLEHK    45
NTDB id 1202 PSJM300 01600 AFN76400.1          ................................MDITELLAFSAKQGASDLHLSS...GLPPMIRVDGDVRRINLPAMDHK    45
NTDB id 1020 ACIAD RS04210 WP 011182164.1      ................................MDITELLAFSVQNRASDLHLSA...GIPPMIRVDGEVRRINLPAMDHS    45
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      ................................MDITELLAFSVKNGASDLHLSA...GMPPMIRVDGEVRRINLPALEHK    45
NTDB id 1060 ABD1 RS04380 WP 000355489.1       ................................MDITELLAFSVKNGASDLHLSA...GMPPMIRVDGEVRRINLPALEHK    45
NTDB id 1040 HON27 RS13360 WP 000355489.1      ................................MDITELLAFSVKNGASDLHLSA...GMPPMIRVDGEVRRINLPALEHK    45
consensus                                                                      *** ********* *!!*****   *********!******** ***
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logo
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NTDB id 1177 A1552VC RS01165 WP 000422572.1    DVTALLHAMMDDARQAE..FKQTREANFAVVRD..SGRFRVSAFFQRELPGAVIRRIETRIP..TFEELKLPEV....LQ   114
NTDB id 1203 PSJM300 01605 AFN76401.1          MTRETVHGVMNEQQRRE..FTENHECNFAISARG.IGRFRVSAFYQRNLAGMVLRRIETNIP..TIEDLKLPDV....LK   116
NTDB id 1019 ACIAD RS04205 WP 004922051.1      MIAQLIDSITTQKQRQE..FIETHECNFAILNREKNERFRVSAFQQRDMPGMVIRRIETKIP..SPDDLHLPPI....LK   117
NTDB id 1107457 ACN9LC RS08740 WP 001296360.1  DVEELLREWLDDDQRTI..LLENGQLDFAVSLAE.NQRLRGSAFAQRQGISLALRLLPSHCP..QLEQLGAPPV....LP   113
NTDB id 1307 DR RS10055 WP 010888596.1         DTRKLMYSMMNERQQRI..FEEKRELDFSFALGD.KARFRVNAFMQRGNVGGVMRLIPTTVR..TIAEMGLPQT....VI   120
NTDB id 1086 NMV RS00245 WP 002218487.1        EVGNMVTSVMNDHQRKI..YQQNLEVDFSFELPN.VARFRVNAFNIGRGPAAVFRTIPSTVL..SLEELKAPSI....FQ   116
NTDB id 1116 NGFG RS10615 WP 003690200.1       EVGNMVTSVMNDHQRKI..YQQNLEVDFSFELPN.VARFRVNAFNTGRGPAAVFRTIPSTVL..SLEELKAPSI....FQ   116
NTDB id 1185 GTF74 RS11940 WP 000350195.1      DVHRLIFEIMNDAQRSE..YEEKLEVDFSFELPN.VGRFRVNAFHQARGCSAVFRTIPTVIP..TLEQLDAPEI....FS   116
NTDB id 1176 A1552VC RS01160 WP 000350195.1    DVHRLIFEIMNDAQRSE..YEEKLEVDFSFELPN.VGRFRVNAFHQARGCSAVFRTIPTVIP..TLEQLDAPEI....FS   116
NTDB id 1283 ACE17W RS02630 WP 010947729.1     DVIKIIYDIMNDRQRKE..YEEFFETDFSFEIAN.LARFRVNAFNQSRGAAAVFRTIPSEIL..SMEDLGLPPI....FK   116
NTDB id 1259 GCO85 RS10305 WP 010947729.1      DVIKIIYDIMNDRQRKE..YEEFFETDFSFEIAN.LARFRVNAFNQSRGAAAVFRTIPSEIL..SMEDLGLPPI....FK   116
NTDB id 1194 PAKAF RS01995 WP 003084552.1      QVHALIYDIMNDKQRKD..FEEFLETDFSFEVPG.VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEELGMGEV....FK   116
NTDB id 1202 PSJM300 01600 AFN76400.1          QVHALIYDIMNDKQRKD..FEEFLETDFSFEVPG.VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGMGEV....FR   116
NTDB id 1020 ACIAD RS04210 WP 011182164.1      EVHNLIYDIMNDKQRRD..YEEKLETDFSFEVPN.LARFRVNVFNQNRGAGAVFRTIPSQVL..TLEELGLGKI....FR   116
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      DVHRLVYDIMNDKQRRD..YEEKLETDFSFEVPN.VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGLGQI....FK   116
NTDB id 1060 ABD1 RS04380 WP 000355489.1       DVHRLVYDIMNDKQRRD..YEEKLETDFSFEVPN.VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGLGQI....FK   116
NTDB id 1040 HON27 RS13360 WP 000355489.1      DVHRLVYDIMNDKQRRD..YEEKLETDFSFEVPN.VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGLGQI....FK   116
consensus                                      **  *************  *** ** ******** ****!****** ** ****!**** **  ******** *    **
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logo
NTDB id 1251 GC085 RS07725 WP 011946523.1       KAIQRPQGMILVTGPTGSGKTVTLYTALNILNTI.EVNISTAEDPVEIKVPGINQVNI...NPKAGLTFSGALRSFLRQD   395
NTDB id 1177 A1552VC RS01165 WP 000422572.1     NLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQA   194
NTDB id 1203 PSJM300 01605 AFN76401.1           KLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQA   196
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQA   197
NTDB id 1107457 ACN9LC RS08740 WP 001296360.1   ELLKSENGLILVTGATGSGKSTTLAAMVGYLNQHADAHILTLEDPVEYLYASQRCLIQQREIGLHCMTFASGLRAALRED   193
NTDB id 1307 DR RS10055 WP 010888596.1          DIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQA   200
NTDB id 1086 NMV RS00245 WP 002218487.1         KIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALRED   196
NTDB id 1116 NGFG RS10615 WP 003690200.1        KIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALRED   196
NTDB id 1185 GTF74 RS11940 WP 000350195.1       KIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALRED   196
NTDB id 1176 A1552VC RS01160 WP 000350195.1     KIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALRED   196
NTDB id 1283 ACE17W RS02630 WP 010947729.1      EMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALRED   196
NTDB id 1259 GC085 RS10305 WP 010947729.1       EMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALRED   196
NTDB id 1194 PAKAF RS01995 WP 003084552.1       RVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALRED   196
NTDB id 1202 PSJM300 01600 AFN76400.1           KITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALRED   196
NTDB id 1020 ACIAD RS04210 WP 011182164.1       DICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDHILTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALRED   196
NTDB id 1081 FDQ49 RS05335 WP 006581387.1       DICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALRED   196
NTDB id 1060 ABD1 RS04380 WP 000355489.1        DICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALRED   196
NTDB id 1040 HON27 RS13360 WP 000355489.1       DICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALRED   196
consensus                                        **  **!*****!*!!*!!******** **!  *  *!***!!!*!*** ****************  *!***!!**
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logo
NTDB id 1251 GC085 RS07725 WP 011946523.1       PDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPT......FNIASSVTLIIAQRLARKLCNQC   469
NTDB id 1177 A1552VC RS01165 WP 000422572.1     PDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLR......   268
NTDB id 1203 PSJM300 01605 AFN76401.1           PDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVP......   270
NTDB id 1019 ACIAD RS04205 WP 004922051.1       PDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIP......   271
NTDB id 1107457 ACN9LC RS08740 WP 001296360.1   PDVILLGELRDSETIRLALTAAETGHLVLATLHTRGAAQAVERLVDSFPAQEKDPVRNQLAGSLRAVLSQKLEV......   267
NTDB id 1307 DR RS10055 WP 010888596.1          PDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLP......   274
NTDB id 1086 NMV RS00245 WP 002218487.1         PDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAKTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLK......   270
NTDB id 1116 NGFG RS10615 WP 003690200.1        PDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAKTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLK......   270
NTDB id 1185 GTF74 RS11940 WP 000350195.1       PDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLK......   270
NTDB id 1176 A1552VC RS01160 WP 000350195.1     PDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLK......   270
NTDB id 1283 ACE17W RS02630 WP 010947729.1      PDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK......   270
NTDB id 1259 GC085 RS10305 WP 010947729.1       PDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK......   270
NTDB id 1194 PAKAF RS01995 WP 003084552.1       PDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIK......   270
NTDB id 1202 PSJM300 01600 AFN76400.1           PDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLK......   270
NTDB id 1020 ACIAD RS04210 WP 011182164.1       PDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLK......   270
NTDB id 1081 FDQ49 RS05335 WP 006581387.1       PDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK......   270
NTDB id 1060 ABD1 RS04380 WP 000355489.1        PDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK......   270
NTDB id 1040 HON27 RS13360 WP 000355489.1       PDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK......   270
consensus                                        !!*!**!!*!* !****!***!*!!!!***!!!***!*****!*************** ****** ****! !**
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NTDB id 1251 GCO85 RS07725 WP 011946523.1      KAVRDDFTNQGLIELGFKEADLVNLKLYKAVGCEQCTSGYRGRVGLFEVLPMTKELGQLIMSGGNS..LDILKLAQSEGM  547
NTDB id 1177 A1552VC RS01165 WP 000422572.1    ....................................DKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEVGM  312
NTDB id 1203 PSJM300 01605 AFN76401.1          ....................................TPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGM  314
NTDB id 1019 ACIAD RS04205 WP 004922051.1      ....................................THDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGM  315
NTDB id 1107457 ACN9LC RS08740 WP 001296360.1 ....................................D.KQEGRVALFELLINTPAVGNLIREGKTHQLPHVIQTGQQVGM  310
NTDB id 1307 DR RS10055 WP 010888596.1         ....................................RADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGM  318
NTDB id 1086 NMV RS00245 WP 002218487.1        ....................................THDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGM  314
NTDB id 1116 NGFG RS10615 WP 003690200.1       ....................................THDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGM  314
NTDB id 1185 GTF74 RS11940 WP 000350195.1      ....................................R.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGM  313
NTDB id 1176 A1552VC RS01160 WP 000350195.1    ....................................R.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGM  313
NTDB id 1283 ACE17W RS02630 WP 010947729.1     ....................................K.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGM  313
NTDB id 1259 GCO85 RS10305 WP 010947729.1      ....................................K.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGM  313
NTDB id 1194 PAKAF RS01995 WP 003084552.1      ....................................K.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGM  313
NTDB id 1202 PSJM300 01600 AFN76400.1          ....................................K.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLGM  313
NTDB id 1020 ACIAD RS04210 WP 011182164.1      ....................................K.EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGATHGM  313
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      ....................................K.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM  313
NTDB id 1060 ABD1 RS04380 WP 000355489.1       ....................................K.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM  313
NTDB id 1040 HON27 RS13360 WP 000355489.1      ....................................K.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM  313
consensus                                                                          *  ***!****!***********!** ******* *****  !!
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NTDB id 1177 A1552VC RS01165 WP 000422572.1    QTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKI........DME.............  368
NTDB id 1203 PSJM300 01605 AFN76401.1          QTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL........EMSDDDPGRSFR....  381
NTDB id 1019 ACIAD RS04205 WP 004922051.1      QTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMER........KMTFDGQRRNLK....  383
NTDB id 1107457 ACN9LC RS08740 WP 001296360.1 LTFQQSYQQRVGEGRL................................................................  326
NTDB id 1307 DR RS10055 WP 010888596.1         VTMDAYLAGLFRRHLITYDKGLERAID.PKEFARLA..NDASAGL.GGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA  394
NTDB id 1086 NMV RS00245 WP 002218487.1        QTMDQSLQSLVRQGLIAPEVARRRAQNSESMSF...............................................  347
NTDB id 1116 NGFG RS10615 WP 003690200.1       QTMDQSLQSLVRQGLIAPEAARRRAQNSESMSF...............................................  347
NTDB id 1185 GTF74 RS11940 WP 000350195.1      QTMEQNAKQLIARGVVDAQEVQSKIELDLKAF................................................  345
NTDB id 1176 A1552VC RS01160 WP 000350195.1    QTMEQNAKQLIARGVVDAQEVQSKIELDLKAF................................................  345
NTDB id 1283 ACE17W RS02630 WP 010947729.1     QTLDQHLTELVNKNIISKHTAHEAALN.KSLF................................................  344
NTDB id 1259 GCO85 RS10305 WP 010947729.1      QTLDQHLTELVNKNIISKHTAHEAALN.KSLF................................................  344
NTDB id 1194 PAKAF RS01995 WP 003084552.1      QTLDMCLKGLVAKGLISRENAREKAKI.PENF................................................  344
NTDB id 1202 PSJM300 01600 AFN76400.1          QTLDSCLKGLLAKGLISRDSAKEKAKQ.PENF................................................  344
NTDB id 1020 ACIAD RS04210 WP 011182164.1      TTLDQSLKQLLAKGIINLPTARAVAKS.PESF................................................  344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      TTLDQSLKGLVSRGVISPQTARTAAKQ.PESFL...............................................  345
NTDB id 1060 ABD1 RS04380 WP 000355489.1       TTLDQSLKGLVARGVISPQTARTAAKQ.PESFL...............................................  345
NTDB id 1040 HON27 RS13360 WP 000355489.1      TTLDQSLKGLVARGVISPQTARTAAKQ.PESFL...............................................  345
consensus                                      *!*** *  ** *****   *   *      *
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logo

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                                                  APATPAAPAAGRSEPGRAGGFGRR
NTDB id 1251 GCO85 RS07725 WP 011946523.1         .......................   574
NTDB id 1177 A1552VC RS01165 WP 000422572.1       .......................   368
NTDB id 1203 PSJM300 01605 AFN76401.1             .......................   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1         .......................   383
NTDB id 1107457 ACN9LC RS08740 WP 001296360.1     .......................   326
NTDB id 1307 DR RS10055 WP 010888596.1            APATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1086 NMV RS00245 WP 002218487.1           .......................   347
NTDB id 1116 NGFG RS10615 WP 003690200.1          .......................   347
NTDB id 1185 GTF74 RS11940 WP 000350195.1         .......................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1       .......................   345
NTDB id 1283 ACE17W RS02630 WP 010947729.1        .......................   344
NTDB id 1259 GCO85 RS10305 WP 010947729.1         .......................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1         .......................   344
NTDB id 1202 PSJM300 01600 AFN76400.1             .......................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1         .......................   344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1         .......................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1          .......................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1         .......................   345
consensus
```

X non conserved
X similar
X $\geq$ 50% conserved