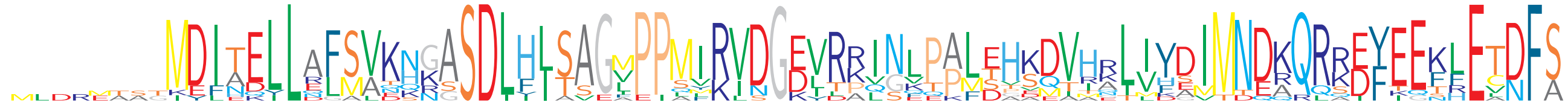
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NTDB id 173469 LBM2029 RS03685 WP 013211546.1  MLDREAATKYIHELLQLMVNSRGSDLFITSEFPPAIKVDGKVTPISQQPLTTVQAMGLVKAIMNEKQLREFEGSFECNFA   80
NTDB id 1203 PSJM300 01605 AFN76401.1          ........MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFA   72
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ........MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFA   72
NTDB id 1307 DR RS10055 WP 010888596.1          ....MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFS   76
NTDB id 1185 GTF74 RS11940 WP 000350195.1       ........MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFS   72
NTDB id 1176 A1552VC RS01160 WP 000350195.1     ........MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFS   72
NTDB id 1283 ACE17W RS02630 WP 010947729.1      ........MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFS   72
NTDB id 1259 GC085 RS10305 WP 010947729.1       ........MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFS   72
NTDB id 1194 PAKAF RS01995 WP 003084552.1       ........MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFS   72
NTDB id 1202 PSJM300 01600 AFN76400.1          ........MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFS   72
NTDB id 1020 ACIAD RS04210 WP 011182164.1       ........MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFS   72
NTDB id 1060 ABD1 RS04380 WP 000355489.1        ........MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFS   72
NTDB id 1040 HON27 RS13360 WP 000355489.1       ........MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFS   72
NTDB id 1081 FDQ49 RS05335 WP 006581387.1       ........MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFS   72
consensus                                              *** **! ****  *!!**************!******** *** **  ****************  ! *!*
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NTDB id 173469 LBM2029 RS03685 WP 013211546.1  IVSG..AGRFRVSAFMQQGRAGMVLRTINTKIPTLGELDLPPILNEVAMSKRGLVVVVGATGSGKSTTLAAMVGYRNAHS   158
NTDB id 1203 PSJM300 01605 AFN76401.1          ISARG.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNS   151
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ILNREKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHS   152
NTDB id 1307 DR RS10055 WP 010888596.1          FALGD.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTK   155
NTDB id 1185 GTF74 RS11940 WP 000350195.1       FELPN.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHH   151
NTDB id 1176 A1552VC RS01160 WP 000350195.1     FELPN.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHH   151
NTDB id 1283 ACE17W RS02630 WP 010947729.1      FEIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSR   151
NTDB id 1259 GC085 RS10305 WP 010947729.1       FEIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSR   151
NTDB id 1194 PAKAF RS01995 WP 003084552.1       FEVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTK   151
NTDB id 1202 PSJM300 01600 AFN76400.1          FEVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTK   151
NTDB id 1020 ACIAD RS04210 WP 011182164.1       FEVPN.LARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHR   151
NTDB id 1060 ABD1 RS04380 WP 000355489.1        FEVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENR   151
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1       FEVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENR   151
consensus                                      ***   **!!!!**!*! *****!*!*!** * ******** ******   *!*****!*!!*!!!!**!******!  *
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NTDB id 173469 LBM2029 RS03685 WP 013211546.1  YGHIITIEDPVEYVHAHQNCVVTQREVGVDTESWHVALKNTLRQAPDVILIGEIRDRDTMEYAIQYAETGHLCLATLHAN  238
NTDB id 1203 PSJM300 01605 AFN76401.1          SGHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHAN  231
NTDB id 1019 ACIAD RS04205 WP 004922051.1      KGHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHAN  232
NTDB id 1307 DR RS10055 WP 010888596.1         KLHILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTN  235
NTDB id 1185 GTF74 RS11940 WP 000350195.1      NKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTS  231
NTDB id 1176 A1552VC RS01160 WP 000350195.1    NKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTS  231
NTDB id 1283 ACE17W RS02630 WP 010947729.1     YEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTN  231
NTDB id 1259 GCO85 RS10305 WP 010947729.1      YEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTN  231
NTDB id 1194 PAKAF RS01995 WP 003084552.1      YHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTT  231
NTDB id 1202 PSJM300 01600 AFN76400.1          YHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTT  231
NTDB id 1020 ACIAD RS04210 WP 011182164.1      YDHILTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTT  231
NTDB id 1060 ABD1 RS04380 WP 000355489.1       YDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTT  231
NTDB id 1040 HON27 RS13360 WP 000355489.1      YDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTT  231
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      YDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTT  231
consensus                                      * !!***!!!*!**!   ******!!!!**!! **   !!***!!**!!*!!*!!*!* *****!***!!!!!!***!!!*  
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NTDB id 173469 LBM2029 RS03685 WP 013211546.1  SSNQAIDRIINFFPEERRQQLLIDLSLNLRAMIAQRLLPRKGRKGRAPAIEILLGTPLVADLIFKGEVHELKEVMKKSRE  318
NTDB id 1203 PSJM300 01605 AFN76401.1          NANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTD  311
NTDB id 1019 ACIAD RS04205 WP 004922051.1      NANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGE  312
NTDB id 1307 DR RS10055 WP 010888596.1         SAPESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAR  315
NTDB id 1185 GTF74 RS11940 WP 000350195.1      SAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAA  310
NTDB id 1176 A1552VC RS01160 WP 000350195.1    SAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAA  310
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NTDB id 1202 PSJM300 01600 AFN76400.1          SAAKTIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGS  310
NTDB id 1020 ACIAD RS04210 WP 011182164.1      SAAKTIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLKK.EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGAT  310
NTDB id 1060 ABD1 RS04380 WP 000355489.1       SAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGAN  310
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1      SAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGAN  310
consensus                                      ** ****!********** *** *!***!  *** ! !***   ***!*** !*************!** ******* *****  
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NTDB id 1177 A1552VC RS01165 WP 000422572.1    VGMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDYGSGSLQNVKIDME.............  368
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NTDB id 1203 PSJM300 01605 AFN76401.1          LGMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVSQGLTLEMSDDDPGRSFR....  381
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NTDB id 1307 DR RS10055 WP 010888596.1         EGMVTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA  394
NTDB id 1185 GTF74 RS11940 WP 000350195.1      HGMQTMEQNAKQLIARGVVDAQEVQSKIELDLKAF.............................................  345
NTDB id 1176 A1552VC RS01160 WP 000350195.1    HGMQTMEQNAKQLIARGVVDAQEVQSKIELDLKAF.............................................  345
NTDB id 1283 ACE17W RS02630 WP 010947729.1     KGMQTLDQHLTELVNKNIISKHTAHEAALNKSLF.............................................  344
NTDB id 1259 GCO85 RS10305 WP 010947729.1      KGMQTLDQHLTELVNKNIISKHTAHEAALNKSLF.............................................  344
NTDB id 1194 PAKAF RS01995 WP 003084552.1      LGMQTLDMCLKGLVAKGLISRENAREKAKIPENF.............................................  344
NTDB id 1202 PSJM300 01600 AFN76400.1          LGMQTLDSCLKGLLAKGLISRDSAKEKAKQPENF.............................................  344
NTDB id 1020 ACIAD RS04210 WP 011182164.1      HGMTTLDQSLKQLLAKGIINLPTARAVAKSPESF.............................................  344
NTDB id 1060 ABD1 RS04380 WP 000355489.1       HGMTTLDQSLKGLVARGVISPQTARTAAKQPESFL............................................  345
NTDB id 1040 HON27 RS13360 WP 000355489.1      HGMTTLDQSLKGLVARGVISPQTARTAAKQPESFL............................................  345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      HGMTTLDQSLKGLVSRGVISPQTARTAAKQPESFL............................................  345
consensus                                       !!*****  *   !* *****    *    *     * *
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NTDB id 1177 A1552VC RS01165 WP 000422572.1    .........................  368
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NTDB id 1019 ACIAD RS04205 WP 004922051.1      .........................  383
NTDB id 1307 DR RS10055 WP 010888596.1         APATPAAPAAGRSEPGRAGGFGRR  418
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 1060 ABD1 RS04380 WP 000355489.1       .........................  345
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1      .........................  345
consensus
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X non conserved
X similar
X ≥ 50% conserved