```
logo
NTDB id 1361 HI 0985 AAC22646.1              ....MNDITYTLLRLMQVPKLGGVGIDKIL...S..NITLNELLNYDDVAFRQMGWGAIQIRRWFKPEAKFIEPALVWSQ   71
NTDB id 1466 ASU2 RS09750 WP 015674213.1     ......MSQTDLLKLLQIPQLGAQRIARLL...S..EVDFAQFCQYDKRQLQQIGWNEKQIQRWFNPEKRWIESALAWAE   69
NTDB id 1388 A4U84 RS04945 WP 062924099.1    .....MTHLTKLLALLQVPQLGAQRIGRLL...S..EVDFGEFCQYDKTALKQMGWNERQIQRWFNPEHKWIDQALQWAE   70
NTDB id 1250 GC085 RS13065 WP 027219989.1    .....MNNLQPLLALNRMKRIGPRTVLKLQ....KRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNWLS   71
NTDB id 82207 RG33 RS14910 WP 000228535.1    .....MVDTEIWLRLMSISSLYGDDMVRIAHWLAKQS.......QIDAVGLQQTGLTLRQAQRFLSFPRKSIESSLCWLE   68
NTDB id 1445 BW25113 RS17035 WP 000228551.1  .....MVDTEIWLRLMSISSLYGDDMVRIAHWVAKQS.......HIDAVVLQQTGLTLRQAQRFLSFPRKSIESSLCWLE   68
NTDB id 1399 DSB67 RS15600 WP 010645755.1    MTPQNDIDLAAWLKLSCLPGIGGVKMN...KLLSKDTPS..NIVQYSTEQLQLLGLTAKQLQAW.SQVDKEVDACLTWVA   74
NTDB id 1152 A1552VC RS00200 WP 000654772.1 ...MKDQDLAAWLALCFTPKLGSKTIS...HLLATRLPA..QLQSFTPKQWLACGLKPEQLVFLTTQAAKQAEQCLQWRS   72
consensus                                                !*!* ** ***  * **              ***   * * !*  *****     * **  ! !

logo
NTDB id 1361 HI 0985 AAC22646.1              KEGNH.LVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLALG   150
NTDB id 1466 ASU2 RS09750 WP 015674213.1     QPNQR.LLTLFDEEYPFLLRQISTAPPVLFVRGSISSLSLPQIAIVGSRDFSAYGEYWAGYFSEQLIKHHLAVTSGLAIG   148
NTDB id 1388 A4U84 RS04945 WP 062924099.1    QDQQQ.ILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLAIG   149
NTDB id 1250 GC085 RS13065 WP 027219989.1    SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLALG   151
NTDB id 82207 RG33 RS14910 WP 000228535.1    QPNHH.LIPADSEFYPPQLLVTTDYPGALFVEGELHALHSFQLAVVGSRAHSWYGERWGRLFCETLATRGVTITSGLARG   147
NTDB id 1445 BW25113 RS17035 WP 000228551.1  QPNHH.LIPADSEFYPPQLLATTDYPGALFVEGELHALHSFQLAVVGSRAHSWYGERWGRLFCETLATRGVTITSGLARG   147
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLALG   154
NTDB id 1152 A1552VC RS00200 WP 000654772.1  AANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLALG   152
consensus                                     *** ***     !! *!*     !**!***! * **  ***!*!!!!  * *!* *** !  **   ** **!!!!*!

logo
NTDB id 1361 HI 0985 AAC22646.1              IDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVEA   230
NTDB id 1466 ASU2 RS09750 WP 015674213.1     IDGFCHQRAVAEQGITIAVLGSGLDQVYPARHKKLAEQIVESGGALVSEFFPNHPPLAENFPRRNRIISGLSLGTLVVEA   228
NTDB id 1388 A4U84 RS04945 WP 062924099.1    IDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVIEA   229
NTDB id 1250 GC085 RS13065 WP 027219989.1    IDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIEA   230
NTDB id 82207 RG33 RS14910 WP 000228535.1    IDGVAHKAALQVNGVSIAVLGNGLNTIHPRRHARLAASLLEHGGALVSEFPLDVPPLAYNFPRRNRIISGLSKGVLVVEA   227
NTDB id 1445 BW25113 RS17035 WP 000228551.1  IDGVAHKAALQVNGVSIAVLGNGLNTIHPRRHARLAASLLEQGGALVSEFPLDVPPLAYNFPRRNRIISGLSKGVLVVEA   227
NTDB id 1399 DSB67 RS15600 WP 010645755.1    IDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVVEA   233
NTDB id 1152 A1552VC RS00200 WP 000654772.1 IDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVVEA   231
consensus                                    !!* *! **** *! **!!!!*!*****! *! *!*  ***  !*!*!!! *  *!*! *!!*!!!!!!!!!****!*!!

logo
NTDB id 1361 HI 0985 AAC22646.1              TEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQ.TEIDFD.........   300
NTDB id 1466 ASU2 RS09750 WP 015674213.1     TVNSGSLITARYALEQGREVFALPNSVQNPYAQGCHKLIKEGAVLTETIEDILQAIQYQLPDQPRQQALFETEQAVEKTQ   308
NTDB id 1388 A4U84 RS04945 WP 062924099.1    TVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQSVHIQPSLFDTKPKQ....   305
NTDB id 1250 GC085 RS13065 WP 027219989.1    AIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNK.............   297
NTDB id 82207 RG33 RS14910 WP 000228535.1    ALRSGSLVTARCALEQGREVFALPGPIGNPGSEGPHWLIKQGAILVTEPEEILENLQFGLHWLPDAP.............   294
NTDB id 1445 BW25113 RS17035 WP 000228551.1  ALRSGSLVTARCALEQGREVFALPGPIGNPGSEGPHWLIKQGAILVTEPEEILENLQFGLHWLPDAP.............   294
NTDB id 1399 DSB67 RS15600 WP 010645755.1    AEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQSL............   301
NTDB id 1152 A1552VC RS00200 WP 000654772.1 AEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQV............   299
consensus                                    ***!!!!*!!!*!*!!*!*!***!*** ** * ! * !***!!*!*    ****  *   *
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logo
                                                  ...QIAVPNYTPPPDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV....   373
NTDB id 1361 HI 0985 AAC22646.1
NTDB id 1466 ASU2 RS09750 WP 015674213.1          FFAKANMPNKVNHFAKKLPEMTACQQQIVEHIGLNPISIDDLAKATALEVETLLVELLGLELLSVIKQVSGGYVRQ....   384
NTDB id 1388 A4U84 RS04945 WP 062924099.1         ......AVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT....   375
NTDB id 1250 GC085 RS13065 WP 027219989.1         ...........PIFSLASG.....KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 82207 RG33 RS14910 WP 000228535.1         .........ENSFYSPDQQDVALPFPELLANVGDEVTPVDVVAERAGQPVPEVVTQLLELELAGWIAAVPGGYVRLRRAC   365
NTDB id 1445 BW25113 RS17035 WP 000228551.1       .........ENSFYSPDQQDVALPFPELLANVGDEVTPVDVVAERAGQPVPEVVTQLLELELAGWIAAVPGGYVRLRRAC   365
NTDB id 1399 DSB67 RS15600 WP 010645755.1         ...........DLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG.   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1       .......PYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKGRG.   371
consensus                                                   **     *      * ** *** * * *! ** ** * *  ****!**!!! * * ** !*!**
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logo
                                                  HVRRTNVFV
NTDB id 1361 HI 0985 AAC22646.1                   .........   373
NTDB id 1466 ASU2 RS09750 WP 015674213.1          .........   384
NTDB id 1388 A4U84 RS04945 WP 062924099.1         .........   375
NTDB id 1250 GC085 RS13065 WP 027219989.1         .........   361
NTDB id 82207 RG33 RS14910 WP 000228535.1         HVRRTNVFV   374
NTDB id 1445 BW25113 RS17035 WP 000228551.1       HVRRTNVFV   374
NTDB id 1399 DSB67 RS15600 WP 010645755.1         .........   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1       .........   371
consensus
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X non conserved

X similar

X $\geq$ 50% conserved