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logo
NTDB id 1122 OK783 RS09595 WP 003705341.1       ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1120 NGFG RS10355 WP 020997408.1        ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1105189 ACNVED RS13430 WP 419419496.1  .....MNNKHYLLALNRIPSIGPQTIKKLLAHWPSLKEMFALSQEQLQNAGLPFKLAYAIKKFD.....FAELDLDLNWE   70
NTDB id 1250 GC085 RS13065 WP 027219989.1      .....MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFD.....PDFIKTDLNWL   70
NTDB id 1399 DSB67 RS15600 WP 010645755.1      MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKD.TPSNIVQYSTEQLQLLGLTAKQLQAW.SQV.....DKEVDACLTWV   73
NTDB id 1152 A1552VC RS00200 WP 000654772.1    ...MKDQDLAAWLALCFTPKLGSKTISHLLATR.LPAQLQSFTPKQWLACGLKPEQLVFLTTQA.....AKQAEQCLQWR   71
NTDB id 1388 A4U84 RS04945 WP 062924099.1      .....MTHLTKLLALLQVPQLGAQRIGRLLSEV.DFGEFCQYDKTALKQMGWNERQIQRWFNPE.....HKWIDQALQWA   69
NTDB id 1361 HI 0985 AAC22646.1                ....MNDITYTLLRLMQVPKLGGVGIDKILSNI.TLNELLNYDDVAFRQMGWGAIQIRRWFKPE.....AKFIEPALVWS   70
consensus                                                  ! !  ** *!* ** ***    *   *      **   *     *  *   *        **  ! !

logo
NTDB id 1122 OK783 RS09595 WP 003705341.1       MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMAS   156
NTDB id 1120 NGFG RS10355 WP 020997408.1        MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMAS   156
NTDB id 1105189 ACNVED RS13430 WP 419419496.1  SQ.PNHHLISWEDEQYPSLLNQIYDAPPILYAIGDLTCLQHLTIAIVGTRKPSIAGSQNAWQFAFELATNQVTIVSGLAL   149
NTDB id 1250 GC085 RS13065 WP 027219989.1      SSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLAL   150
NTDB id 1399 DSB67 RS15600 WP 010645755.1      AASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGLAL   153
NTDB id 1152 A1552VC RS00200 WP 000654772.1    SAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLAL   151
NTDB id 1388 A4U84 RS04945 WP 062924099.1      EQD.QQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLAI   148
NTDB id 1361 HI 0985 AAC22646.1                QKE.GNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLAL   149
consensus                                           ***  *  *! *!**  * !**!***! *  *  * *!*!!*! **  *   ** !* **   ** * !!*!*

logo
NTDB id 1122 OK783 RS09595 WP 003705341.1       GIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1120 NGFG RS10355 WP 020997408.1        GIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1105189 ACNVED RS13430 WP 419419496.1  GIDAQAHKGCLAANGRTIAVLGTGVDCIYPKSHRLLANQIID.NGLLISEFPLKSQPTAGHFPRRNRIISGLSLAILVVE   228
NTDB id 1250 GC085 RS13065 WP 027219989.1      GIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIE   229
NTDB id 1399 DSB67 RS15600 WP 010645755.1      GIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVVE   232
NTDB id 1152 A1552VC RS00200 WP 000654772.1    GIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.GGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVVE   230
NTDB id 1388 A4U84 RS04945 WP 062924099.1      GIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVIE   228
NTDB id 1361 HI 0985 AAC22646.1                GIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVE   229
consensus                                      !!!* *! *** * ! !*!!*!*!** *!!  ** !*  * * *! **!!!   * ! !**!!*!!!*!**!!** *!*!

logo
NTDB id 1122 OK783 RS09595 WP 003705341.1       AALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGR   315
NTDB id 1120 NGFG RS10355 WP 020997408.1        AALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGR   315
NTDB id 1105189 ACNVED RS13430 WP 419419496.1  AAIKSGSLITARLALEQNREVMAVPGSINNSQARGCNYLLQQGAKLVISINDILSELGIEHGSPNTK.............   295
NTDB id 1250 GC085 RS13065 WP 027219989.1      AAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSN.............   296
NTDB id 1399 DSB67 RS15600 WP 010645755.1      AAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLL..........DWSI.....   297
NTDB id 1152 A1552VC RS00200 WP 000654772.1    AAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNAL..........TWSL.....   295
NTDB id 1388 A4U84 RS04945 WP 062924099.1      ATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQSVHIQP.SL.FDT.....   301
NTDB id 1361 HI 0985 AAC22646.1                ATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS..IHSQT.EIDFDQ.....   301
consensus                                      !***!!!!!!!* !*!**!*! **!*** ** * !** !***!! !*  * *** **
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logo

NTDB id 1122 OK783 RS09595 WP 003705341.1      RAVQTAYAPPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT   395
NTDB id 1120 NGFG RS10355 WP 020997408.1       RTVQTAYAPPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT   395
NTDB id 1105189 ACNVED RS13430 WP 419419496.1 ...........ESS.....INLATNHKNLVKCLGFETVTIDQIIQQSGLGIDEVISNLTELELQGIIKAVPGGYIRC...   356
NTDB id 1250 GCO85 RS13065 WP 027219989.1      ...........KPI.....FSLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYE   360
NTDB id 1399 DSB67 RS15600 WP 010645755.1      ....NQSL....DLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1    ....SEQVPYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKGRG   371
NTDB id 1388 A4U84 RS04945 WP 062924099.1      .KP..KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT...   375
NTDB id 1361 HI 0985 AAC22646.1                .IAVPNYTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV...   373
consensus                                                               *     **  **** * *! **  * * * ***  !**!!! * * ***!****
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logo

                                               R
NTDB id 1122 OK783 RS09595 WP 003705341.1      .   395
NTDB id 1120 NGFG RS10355 WP 020997408.1       .   395
NTDB id 1105189 ACNVED RS13430 WP 419419496.1  .   356
NTDB id 1250 GCO85 RS13065 WP 027219989.1      R   361
NTDB id 1399 DSB67 RS15600 WP 010645755.1      .   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1    .   371
NTDB id 1388 A4U84 RS04945 WP 062924099.1      .   375
NTDB id 1361 HI 0985 AAC22646.1                .   373
consensus
```

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