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logo
NTDB id 1120 NGFG RS10355 WP 020997408.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 253425 CRH16 RS10235 WP 112063141.1   .....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGEFC.QYDKTALKQMGWNERQIQRWFNPEHK.....WIDQALQWA   69
NTDB id 1388 A4U84 RS04945 WP 062924099.1     .....MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGEFC.QYDKTALKQMGWNERQIQRWFNPEHK.....WIDQALQWA   69
NTDB id 1361 HI 0985 AAC22646.1               ....MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELL.NYDDVAFRQMGWGAIQIRRWFKPEAK.....FIEPALVWS   70
NTDB id 1250 GC085 RS13065 WP 027219989.1     .....MNNLQPLLALNRMKRIGPRTVLKLQK.RWPDLNL.MF...QLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNWL   70
NTDB id 1399 DSB67 RS15600 WP 010645755.1     MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNIV.QYSTEQLQLLGLTAKQLQAW.SQVDK.....EVDACLTWV   73
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ...MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQLQ.SFTPKQWLACGLKPEQLVFLTTQAAK.....QAEQCLQWR   71
consensus                                                *  *!*!  ** *!*  * ****    *    **   **  **    **  *   * *     *** *!*!

logo
NTDB id 1120 NGFG RS10355 WP 020997408.1      MR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMAS   156
NTDB id 253425 CRH16 RS10235 WP 112063141.1   EQ.DQQRILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKYQLAVTSGLAI   148
NTDB id 1388 A4U84 RS04945 WP 062924099.1     EQ.DQQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLAI   148
NTDB id 1361 HI 0985 AAC22646.1               QK.EGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGLAL   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
consensus                                        **  **** *  *! *!*** * !**!***!**  ** ***!*!!!! **  *   ** !* **   ** **!!*!*

logo
NTDB id 1120 NGFG RS10355 WP 020997408.1      GIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 253425 CRH16 RS10235 WP 112063141.1   GIDGFCHQRAVNENGITIAVLGSGLDQVYPARHKKLAEQIVDTSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVIE   228
NTDB id 1388 A4U84 RS04945 WP 062924099.1     GIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVIE   228
NTDB id 1361 HI 0985 AAC22646.1               GIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVE   229
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.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVVE   230
consensus                                     !!!* *!*******! !*!!*!*!****!! ****!******* *!***!!! *  *!*!**!!*!!!*!**!!****!*!

logo
NTDB id 1120 NGFG RS10355 WP 020997408.1      AALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGR   315
NTDB id 253425 CRH16 RS10235 WP 112063141.1   ATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENIDDILEAIAWQRQSVHIQ.PSL.FDTK....   302
NTDB id 1388 A4U84 RS04945 WP 062924099.1     ATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQSVHIQ.PSL.FDTK....   302
NTDB id 1361 HI 0985 AAC22646.1               ATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS..IHSQ.TEIDFDQI....   302
NTDB id 1250 GC085 RS13065 WP 027219989.1     AAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQ.................   292
NTDB id 1399 DSB67 RS15600 WP 010645755.1     AAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWS................   296
NTDB id 1152 A1552VC RS00200 WP 000654772.1   AAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQQIHQELKNALTWS................   294
consensus                                     !***!!!!!!!**!*!**!*!***!***** * !***!***!! !**** ******              *  *
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logo

NTDB id 1120 NGFG RS10355 WP 020997408.1     RTVQTAYAPPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT   395
NTDB id 253425 CRH16 RS10235 WP 112063141.1  ....PKQAVKSDPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVSGGYVIT...   375
NTDB id 1388 A4U84 RS04945 WP 062924099.1    ....PKQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT...   375
NTDB id 1361 HI 0985 AAC22646.1              ..AVPNYTPPPDPRRLV....EAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV...   373
NTDB id 1250 GC085 RS13065 WP 027219989.1    .......FTSNKPIFSLASGK.....ENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYE   360
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ...INQSL....DLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG   369
NTDB id 1152 A1552VC RS00200 WP 000654772.1  ...LSEQVPYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKGRG   371
consensus                                                 ***      *       *** *** *****! **   * * ** *** !**!!! * **** !****
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logo

                                             R
NTDB id 1120 NGFG RS10355 WP 020997408.1     .    395
NTDB id 253425 CRH16 RS10235 WP 112063141.1  .    375
NTDB id 1388 A4U84 RS04945 WP 062924099.1    .    375
NTDB id 1361 HI 0985 AAC22646.1              .    373
NTDB id 1250 GC085 RS13065 WP 027219989.1    R    361
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