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logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1089 NMB RS00600 WP 002224767.1        ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1120 NGFG RS10355 WP 020997408.1       ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1122 OK783 RS09595 WP 003705341.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWE   77
NTDB id 1250 GC085 RS13065 WP 027219989.1      .....MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNLMFQLSSVDLEEACLPSWLAQTIKNFDP.....DFIKTDLNWL   70
NTDB id 1105011 ACN08L RS15635 WP 419238191.1 ....MTNALYPWLVLAMTPTLGGHRINKLLSKIS.AADCITLPFEQLRQLGLSEQQATAIASPDQ.....RRIDQVLAWH   70
NTDB id 1399 DSB67 RS15600 WP 010645755.1     MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDT.PSNIVQYSTEQLQLLGLTAKQLQAW.SQVD.....KEVDACLTWV   73
NTDB id 1152 A1552VC RS00200 WP 000654772.1   ...MKDQDLAAWLALCFTPKLGSKTISHLLATRL.PAQLQSFTPKQWLACGLKPEQLVFLTTQAA.....KQAEQCLQWR   71
NTDB id 1388 A4U84 RS04945 WP 062924099.1     .....MTHLTKLLALLQVPQLGAQRIGRLLSEVD.FGEFCQYDKTALKQMGWNERQIQRWFNPEH.....KWIDQALQWA   69
NTDB id 1361 HI 0985 AAC22646.1               ....MNDITYTLLRLMQVPKLGGVGIDKILSNIT.LNELLNYDDVAFRQMGWGAIQIRRWFKPEA.....KFIEPALVWS   70
consensus                                       * *******! !**** *!* *********  *** ** * ***  **    ** **** *      * ****! !

logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1      MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMAS   156
NTDB id 1089 NMB RS00600 WP 002224767.1        MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMAS   156
NTDB id 1120 NGFG RS10355 WP 020997408.1       MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMAS   156
NTDB id 1122 OK783 RS09595 WP 003705341.1      MRD.GCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMAS   156
NTDB id 1250 GC085 RS13065 WP 027219989.1      SSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLAL   150
NTDB id 1105011 ACN08L RS15635 WP 419238191.1 ERP.FQQVLTLDSPHYPYLLKQISSPPPLLFVRGDASYLSKPQIAIIGSRSASIDGREAAFNFGYALGQAEYVVTSGLAL   149
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 1094 KZH42 RS01320 WP 002224767.1      GIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1089 NMB RS00600 WP 002224767.1        GIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1120 NGFG RS10355 WP 020997408.1       GIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1122 OK783 RS09595 WP 003705341.1      GIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVE   235
NTDB id 1250 GC085 RS13065 WP 027219989.1      GIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIE   229
NTDB id 1105011 ACN08L RS15635 WP 419238191.1 GIDGQAHLGALKSGGATIAVLGSGLDQIYPARHRKLANDIVE.QGALVSEFWPDEKPRPQNFPRRNRVISGLSTGVLVVE   228
NTDB id 1399 DSB67 RS15600 WP 010645755.1     GIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLVVE   232
NTDB id 1152 A1552VC RS00200 WP 000654772.1   GIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVVE   230
NTDB id 1388 A4U84 RS04945 WP 062924099.1     GIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVIE   228
NTDB id 1361 HI 0985 AAC22646.1               GIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLVVE   229
consensus                                     !!!* *!******* !*!*!!*!*!****!! *** !* **** *! **!!!** **! ***!!*!!!*!**!!****!*!
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logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1      AALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRI   315
NTDB id 1089 NMB RS00600 WP 002224767.1        AALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRI   315
NTDB id 1120 NGFG RS10355 WP 020997408.1       AALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGR   315
NTDB id 1122 OK783 RS09595 WP 003705341.1      AALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGR   315
NTDB id 1250 GC085 RS13065 WP 027219989.1      AAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTS.....N........   296
NTDB id 1105011 ACN08L RS15635 WP 419238191.1 AAEKSGSLITARYALEQGREVFAIPGSIYNTQSKGCNTLIKSGATLVESPLDIFNEVGILTECA.I.....N........   294
NTDB id 1399 DSB67 RS15600 WP 010645755.1      AAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWS.I.....N........   298
NTDB id 1152 A1552VC RS00200 WP 000654772.1    AAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWS.L.....S........   296
NTDB id 1388 A4U84 RS04945 WP 062924099.1      ATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQSVHI.....QPSL.FDTK   302
NTDB id 1361 HI 0985 AAC22646.1                ATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS..IHS.....QTEIDFDQI   302
consensus                                      !***!!!!!!!**! !**!*!***!*** ** **!***!***!!*!** ********  *****        *
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logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1      TAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRI   395
NTDB id 1089 NMB RS00600 WP 002224767.1        TAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRI   395
NTDB id 1120 NGFG RS10355 WP 020997408.1       RTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRI   393
NTDB id 1122 OK783 RS09595 WP 003705341.1      RAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRI   393
NTDB id 1250 GC085 RS13065 WP 027219989.1      .............KPIFSL.....ASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCE   358
NTDB id 1105011 ACN08L RS15635 WP 419238191.1 .......NQI....GLSLPQPENEELPFPALLANVGTEATPVDVVAERCEQPVHEILTQLLELELLGLVSAVPGGYIRTR   363
NTDB id 1399 DSB67 RS15600 WP 010645755.1      .......QSL....DLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKG   367
NTDB id 1152 A1552VC RS00200 WP 000654772.1    .......EQVPYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKG   369
NTDB id 1388 A4U84 RS04945 WP 062924099.1      ....P..KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT.   375
NTDB id 1361 HI 0985 AAC22646.1                ....AVPNYTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV.   373
consensus                                              **   * **       *        ********** *!***    **** *** *!**!!! * * ***!*****
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logo
NTDB id 1094 KZH42 RS01320 WP 002224767.1      RT..    397
NTDB id 1089 NMB RS00600 WP 002224767.1        RT..    397
NTDB id 1120 NGFG RS10355 WP 020997408.1       RT..    395
NTDB id 1122 OK783 RS09595 WP 003705341.1      RT..    395
NTDB id 1250 GC085 RS13065 WP 027219989.1      YER.    361
NTDB id 1105011 ACN08L RS15635 WP 419238191.1 RSES    367
NTDB id 1399 DSB67 RS15600 WP 010645755.1      RG..    369
NTDB id 1152 A1552VC RS00200 WP 000654772.1    RG..    371
NTDB id 1388 A4U84 RS04945 WP 062924099.1      ....    375
NTDB id 1361 HI 0985 AAC22646.1                ....    373
consensus                                      **
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X non conserved

X similar

X $\geq$ 50% conserved