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logo
NTDB id 668293 MON40 RS01655 WP 003779763.1   MTENDRLAWLQLAFTPYVGAEGFLLLLQRFGSAKAALDAPVEQIATIVRHKQAAESWRNGEKRALAQKAAEAALQWEKQD   80
NTDB id 1094 KZH42 RS01320 WP 002224767.1     MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEWEMRD   80
NTDB id 1089 NMB RS00600 WP 002224767.1       MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEWEMRD   80
NTDB id 1120 NGFG RS10355 WP 020997408.1      MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWEMRD   80
NTDB id 1122 OK783 RS09595 WP 003705341.1     MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEWEMRD   80
NTDB id 1388 A4U84 RS04945 WP 062924099.1     ..MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGEFCQYDKTAL.KQMGWNERQIQRWFNP.....EHKWIDQALQWAEQD   72
NTDB id 1152 A1552VC RS00200 WP 000654772.1   MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQLQSFTPKQW.LACGLKPEQLVFLTTQ.....AAKQAEQCLQWRSAA   74
consensus                                     *********!*!***!**!******!** *************** ***** ********************!*!****

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NTDB id 668293 MON40 RS01655 WP 003779763.1   GC.RLLLLQDDDFPEMLTQGITAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGRALSEKDIPVVSGMASGID   159
NTDB id 1094 KZH42 RS01320 WP 002224767.1     GC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMASGID   159
NTDB id 1089 NMB RS00600 WP 002224767.1       GC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGMASGID   159
NTDB id 1120 NGFG RS10355 WP 020997408.1      GC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMASGID   159
NTDB id 1122 OK783 RS09595 WP 003705341.1     GC.RLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGMASGID   159
NTDB id 1388 A4U84 RS04945 WP 062924099.1     Q.QQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGLAIGID   151
NTDB id 1152 A1552VC RS00200 WP 000654772.1   NNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGLALGID   154
consensus                                     ** **********!**!******!!!!!**!** ****!**!!!!!!*********!**!** !********!!*!*!!!

logo
NTDB id 668293 MON40 RS01655 WP 003779763.1   TAAHQGALQAGGGTIAVWGTGIDRIYPPSNKNLAYEIAE.KGLIVSEFPLDTRPFAGNFPRRNRLIAALSQVTLVVEAAL   238
NTDB id 1094 KZH42 RS01320 WP 002224767.1     TAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEAAL   238
NTDB id 1089 NMB RS00600 WP 002224767.1       TAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEAAL   238
NTDB id 1120 NGFG RS10355 WP 020997408.1      TAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEAAL   238
NTDB id 1122 OK783 RS09595 WP 003705341.1     TAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLVVEAAL   238
NTDB id 1388 A4U84 RS04945 WP 062924099.1     GFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLVIEATV   231
NTDB id 1152 A1552VC RS00200 WP 000654772.1   GYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVVVEAAE   233
consensus                                     ***!**!****!*!*!!*!*!****!!* ***!!**!** *!**!!!!*****!*!**!!!!!!*!**!!****!*!!**

logo
NTDB id 668293 MON40 RS01655 WP 003779763.1   ESGSLITAKLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILHECPGLLQNAAVPSYSINKKNKKTEKRTA   318
NTDB id 1094 KZH42 RS01320 WP 002224767.1     ESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRI.TA   317
NTDB id 1089 NMB RS00600 WP 002224767.1       ESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRI.TA   317
NTDB id 1120 NGFG RS10355 WP 020997408.1      ESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGR.RT   317
NTDB id 1122 OK783 RS09595 WP 003705341.1     ESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGR.RA   317
NTDB id 1388 A4U84 RS04945 WP 062924099.1     NSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILE....AIAWQRQS.VHIQPSLFDTKPKQA   306
NTDB id 1152 A1552VC RS00200 WP 000654772.1   KSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSEQVPYQATLFSAVQ...   310
consensus                                     *!!!!!!!**!*!*!!!!***!*!**!**!*!***!!**!!*!******!********************** ****    *
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logo

NTDB id 668293 MON40 RS01655 WP 003779763.1   VRETSSEPVLPFSDDLHVRKQPAQANTVAAPTAEDGLLDAMGYDPVHPDILAQQTAWAAADVYARLLEYELDGIVAALPG   398
NTDB id 1094 KZH42 RS01320 WP 002224767.1     VQTAS........DQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPG   389
NTDB id 1089 NMB RS00600 WP 002224767.1       VQTAS........DQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPG   389
NTDB id 1120 NGFG RS10355 WP 020997408.1      VQTAY..........APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPG   387
NTDB id 1122 OK783 RS09595 WP 003705341.1     VQTAY..........APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPG   387
NTDB id 1388 A4U84 RS04945 WP 062924099.1     V...KSEP.............KFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRG   370
NTDB id 1152 A1552VC RS00200 WP 000654772.1   .....SDE......................ELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPG   363
consensus                                     ****               *  ******         *  **********!*!!*********!!**!!*!*!****!
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logo

NTDB id 668293 MON40 RS01655 WP 003779763.1   GRYQRIKA   406
NTDB id 1094 KZH42 RS01320 WP 002224767.1     GRYQRIRT   397
NTDB id 1089 NMB RS00600 WP 002224767.1       GRYQRIRT   397
NTDB id 1120 NGFG RS10355 WP 020997408.1      GRYQRIRT   395
NTDB id 1122 OK783 RS09595 WP 003705341.1     GRYQRIRT   395
NTDB id 1388 A4U84 RS04945 WP 062924099.1     GYVIT...   375
NTDB id 1152 A1552VC RS00200 WP 000654772.1   GYIRKGRG   371
consensus                                     !*******
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X non conserved
X similar
X $\geq$ 50% conserved