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logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1     MLTQLSSHHYHTLKVWYLVQHSLVSFKKIIDYFGNCEKATQPDGLAKWSSLGLHANHLKRVNEFQTTQ.GQAQFE.QLVQ   78
NTDB id 1094 KZH42 RS01320 WP 002224767.1    ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1089 NMB RS00600 WP 002224767.1      ...MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALS.APAEQVAALIRHKQALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1120 NGFG RS10355 WP 020997408.1     ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALS.APAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1122 OK783 RS09595 WP 003705341.1    ...MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALS.APAEQVAPAVRHKHALEAWRNAEKRALARQAAEAALEW   76
NTDB id 1388 A4U84 RS04945 WP 062924099.1    .....MTHLTKLLALLQVPQLGAQRIGRLLSEVD.FGEFCQ.YDKTALKQMGWNERQIQRWFNPEH.....KWIDQALQW   68
NTDB id 1361 HI 0985 AAC22646.1              ....MNDITYTLLRLMQVPKLGGVGIDKILSNIT.LNELLN.YDDVAFRQMGWGAIQIRRWFKPEA.....KFIEPALVW   69
NTDB id 1250 GC085 RS13065 WP 027219989.1    .....MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNLMFQ.LSSVD.....LEEAGLPSWLAQTIKNFDPDFIKTDLNW   69
NTDB id 1399 DSB67 RS15600 WP 010645755.1    MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDT.PSNIVQ.YSTEQLQLLGLTAKQLQAW.SQVD.....KEVDACLTW   72
NTDB id 408862 GPX94 RS04070 WP 154115060.1 ...MQHKDLCAWLALSFTPKLTQKMITRLLSLDS.LANMFD.YSSQQWLALGLKPDQVDYLMHQAK.....REVEACLEW   70
NTDB id 1152 A1552VC RS00200 WP 000654772.1 ...MKDQDLAAWLALCFTPKLGSKTISHLLATRL.PAQLQS.FTPKQWLACGLKPEQLVFLTTQAA.....KQAEQCLQW   70
consensus                                     * * * ***! * *** *** ** ***  *   ** *      **  **     *  *   *         ***! *

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1     QVRQHTDFILT.PDDSGYPTQLLPYTDHPPIIFGKGQAQALLQPQIAIVGSRKPSPHGRQVAYDFAYYLSEKGFFISSGL   157
NTDB id 1094 KZH42 RS01320 WP 002224767.1    EMRDGCRLML..LQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGM   154
NTDB id 1089 NMB RS00600 WP 002224767.1      EMRDGCRLML..LQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVSGM   154
NTDB id 1120 NGFG RS10355 WP 020997408.1     EMRDGCRLML..LQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGM   154
NTDB id 1122 OK783 RS09595 WP 003705341.1    EMRDGCRLML..LQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVSGM   154
NTDB id 1388 A4U84 RS04945 WP 062924099.1    AEQDQ.QQILT.LFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTSGL   146
NTDB id 1361 HI 0985 AAC22646.1              SQKEG.NHLVN.YFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITSGL   147
NTDB id 1250 GC085 RS13065 WP 027219989.1    LSSSENHHILT.WDSPYYPALLKEIADPPFILYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGL   148
NTDB id 1399 DSB67 RS15600 WP 010645755.1    VAASSHHHILTL.ADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTSGL   151
NTDB id 408862 GPX94 RS04070 WP 154115060.1 QSKEAGRHIIALYDDSRYPPLLREVASPPKVLFVEGRCSTLVNPQIAIVGSRDATIDSRYIAQHFASQLVEHDLTVTSGL   150
NTDB id 1152 A1552VC RS00200 WP 000654772.1 RSAANNRYIVT.PHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTSGL   149
consensus                                     *** * **    *  *! *!**  * !******!**  *  * *!*!!!! **  *  *** !*  *   ** **!!*

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1     AYGIDEAAHQGAS.AHQRTIAVTGTGLDTTYPAQNKKLAEYILAQNGAIITEFLPGTPPLQQHFPRRNRIVSGLSLGVLV   236
NTDB id 1094 KZH42 RS01320 WP 002224767.1    ASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLV   233
NTDB id 1089 NMB RS00600 WP 002224767.1      ASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLV   233
NTDB id 1120 NGFG RS10355 WP 020997408.1     ASGIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLV   233
NTDB id 1122 OK783 RS09595 WP 003705341.1    ASGIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVTLV   233
NTDB id 1388 A4U84 RS04945 WP 062924099.1    AIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGTLV   226
NTDB id 1361 HI 0985 AAC22646.1              ALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGTLV   227
NTDB id 1250 GC085 RS13065 WP 027219989.1    ALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILV   227
NTDB id 1399 DSB67 RS15600 WP 010645755.1    ALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGVLV   230
NTDB id 408862 GPX94 RS04070 WP 154115060.1 ALGIDGYAHDGALKASGSTIAVLGSGLECIYPTRHQSLAERIKA.DGALVSEFRPNTKPRPEYFPRRNRIISGLSLGVLV   229
NTDB id 1152 A1552VC RS00200 WP 000654772.1 ALGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGVVV   228
consensus                                    !*!!!* *!**** * * !*!!*!*!** *!!  ** !*  * *  !****!! * **! ***!!*!!!****!!****!
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logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1      VEATLKSGSLITANKAAEQGKTVFAIPGHIYSEFHQGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQNQTE......   310
NTDB id 1094 KZH42 RS01320 WP 002224767.1     VEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEK   313
NTDB id 1089 NMB RS00600 WP 002224767.1       VEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEK   313
NTDB id 1120 NGFG RS10355 WP 020997408.1      VEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDT   313
NTDB id 1122 OK783 RS09595 WP 003705341.1     VEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDT   313
NTDB id 1388 A4U84 RS04945 WP 062924099.1     IEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQSVHIQPSL.FDTKP..   303
NTDB id 1361 HI 0985 AAC22646.1               VEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS..IHSQTEIDFDQIA..   303
NTDB id 1250 GC085 RS13065 WP 027219989.1     IEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQF..............   293
NTDB id 1399 DSB67 RS15600 WP 010645755.1     VEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSIN............   298
NTDB id 408862 GPX94 RS04070 WP 154115060.1  VEAAEKSGSLITARYALEQGRDVFVVPGPIHITNFQGSNRLIQQGACLVQTVDDILAEITLLTHWSQK............   297
NTDB id 1152 A1552VC RS00200 WP 000654772.1  VEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLS............   296
consensus                                     *!!***!!!!!!!* !*!****!***!*** ** * !***!***!! !** ********  *** *

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1      ..................EANTNTPEIREHLIDLYQSLDWVGQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLR   373
NTDB id 1094 KZH42 RS01320 WP 002224767.1     RITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQ   393
NTDB id 1089 NMB RS00600 WP 002224767.1       RITAVQTASDQLSLPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQ   393
NTDB id 1120 NGFG RS10355 WP 020997408.1      GRRTVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQ   391
NTDB id 1122 OK783 RS09595 WP 003705341.1     GRRAVQTAY..APPPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQ   391
NTDB id 1388 A4U84 RS04945 WP 062924099.1     .........KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVI   374
NTDB id 1361 HI 0985 AAC22646.1               .......VPNYTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKR   372
NTDB id 1250 GC085 RS13065 WP 027219989.1     ............TSNKPIFSLASGKE.....NLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIR   356
NTDB id 1399 DSB67 RS15600 WP 010645755.1     .........QS....LDLFSAPIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIR   365
NTDB id 408862 GPX94 RS04070 WP 154115060.1  .........SAISTQEDLFSPSNGQEELPFPELLANVGVEATPVDILAQRTHIPVQEVMMQLLELELLGQVVAVSGGYIR   368
NTDB id 1152 A1552VC RS00200 WP 000654772.1  .........EQVPYQATLFSAVQSDEELPFPELLANVGIEATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIR   367
consensus                                                   *       *        **  ****** *!***    *** **   !**!!! * *****!****

logo
NTDB id 1073 ABD1 RS00865 WP 015451369.1      CRS...   376
NTDB id 1094 KZH42 RS01320 WP 002224767.1     RIRT..   397
NTDB id 1089 NMB RS00600 WP 002224767.1       RIRT..   397
NTDB id 1120 NGFG RS10355 WP 020997408.1      RIRT..   395
NTDB id 1122 OK783 RS09595 WP 003705341.1     RIRT..   395
NTDB id 1388 A4U84 RS04945 WP 062924099.1     T.....   375
NTDB id 1361 HI 0985 AAC22646.1               V.....   373
NTDB id 1250 GC085 RS13065 WP 027219989.1     CEYER.   361
NTDB id 1399 DSB67 RS15600 WP 010645755.1     KGRG..   369
NTDB id 408862 GPX94 RS04070 WP 154115060.1  KGRGKL   374
NTDB id 1152 A1552VC RS00200 WP 000654772.1  KGRG..   371
consensus                                     * *
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X non conserved

X similar

X ≥ 50% conserved