logo

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NTDB id 1094 KZH42 RS01320 WP 002224767.1     .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAA   73
NTDB id 1089 NMB RS00600 WP 002224767.1       .......MTEDERFAWLQLAFTPYIGAESFLLLMRRFGSAQNALSAPAEQVAALIRHKQALEAWRNAEKRALARQAAEAA   73
NTDB id 1120 NGFG RS10355 WP 020997408.1      .......MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAA   73
NTDB id 1122 OK783 RS09595 WP 003705341.1     .......MTEDERFAWLQLAFTPYIGAESFLLLMRSFGSAQNALSAPAEQVAPAVRHKHALEAWRNAEKRALARQAAEAA   73
NTDB id 1388 A4U84 RS04945 WP 062924099.1     .........MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGEF.CQYDKTALKQMGWNERQIQRWFNPEH.....KWIDQA   65
NTDB id 1361 HI 0985 AAC22646.1               ........MNDITYTLLRLMQVPKLGGVGIDKILSNITLNEL.LNYDDVAFRQMGWGAIQIRRWFKPEA.....KFIEPA   66
NTDB id 1250 GCO85 RS13065 WP 027219989.1     .........MNNLQPLLALNRMKRIGPRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDP.....DFIKTD   66
NTDB id 1152 A1552VC RS00200 WP 000654772.1   .......MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQL.QSFTPKQWLACGLKPEQLVFLTTQAA.....KQAEQC   67
NTDB id 186745 VSVS12 RS01280 WP 065429622.1  MIVESNDLSHLDLIAWLTLYFTPRLGPKGMSKLLSKASATQL.VTYDSPQLLALGLTEAQVRSIQQPNQ.....LYLMQC   74
NTDB id 1399 DSB67 RS15600 WP 010645755.1     ....MTPQNDIDLAAWLKLSCLPGIGCVKMNKLLSKDTPSNI.VQYSTEQLQLLGLTAKQLQAWSQVD......KEVDAC   69
consensus                                              ********** ! *** *!* *********  *** ***  ***  **    ** **** *         ****
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NTDB id 1094 KZH42 RS01320 WP 002224767.1     LEWEMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVS   152
NTDB id 1089 NMB RS00600 WP 002224767.1       LEWEMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVQLLHKPSAAIVGSRHATPQAMRIAKDFGKSLGGKGIPVVS   152
NTDB id 1120 NGFG RS10355 WP 020997408.1      LEWEMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVS   152
NTDB id 1122 OK783 RS09595 WP 003705341.1     LEWEMR.DGCRLMLLQDEDFPEMLTQGLTAPPVLFLRGNVRLLHKPSAAIVGSRHATPQAMRIAKDFGRALGGKGIPTVS   152
NTDB id 1388 A4U84 RS04945 WP 062924099.1     LQWAEQ.DQQQILTLFDEDYPFLLKQISTAPPVLFVRGNVESLSLPQIAIVGSRDYSHYGEHWAGHFSAELVKHQLAVTS   144
NTDB id 1361 HI 0985 AAC22646.1               LVWSQK.EGNHLVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQRQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITS   145
NTDB id 1250 GCO85 RS13065 WP 027219989.1     LNWLSSSENHHILTWDSPYYPALLKEIADPPFTLYAKGELSALTQPSLAIVGSRNASVTGNENARAFSREISRHGVSIVS   146
NTDB id 1152 A1552VC RS00200 WP 000654772.1   LQWRSAANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAVHDPAVAIVGSRNASVDGRQIARQFATELAQSGLVVTS   147
NTDB id 186745 VSVS12 RS01280 WP 065429622.1  LEWLHASTEHHIITLQSESYPPLLKQISAPPAVLFVKGDLNALHQPQIALVGSRHASIDGLNNAKHFAAALVQHGLVVTS   154
NTDB id 1399 DSB67 RS15600 WP 010645755.1     LTWVAASSHHHILTLADALYPPLLKQTVAPPPLLFVKGEASCLPQPQIAMVGSRNASVDGLQHTRTFASDLVQHDLIVTS   149
consensus                                     !*!  * **  **********! *!** ***!**!***!**  ** ***!*!!!!***  ** *** !***** ** * !
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NTDB id 1094 KZH42 RS01320 WP 002224767.1     GMASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVT   231
NTDB id 1089 NMB RS00600 WP 002224767.1       GMASGIDTAAHQGALQAEGGTIAVWGTGIDRIYPPVNKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVT   231
NTDB id 1120 NGFG RS10355 WP 020997408.1      GMASGIDTAAHQGALEAEGGTIAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVT   231
NTDB id 1122 OK783 RS09595 WP 003705341.1     GMASGIDTAAHQGALEAEGGTVAVWGTGIDRIYPPANKNLAYEIAE.KGLIVSEFPIGTRPYAGNFPRRNRLIAALSQVT   231
NTDB id 1388 A4U84 RS04945 WP 062924099.1     GLAIGIDGFCHQRAANENGITIAVLGSGLDQVYPARHKKLAEQIVETSGALVSEFFPSQPPIAENFPRRNRIISGLSLGT   224
NTDB id 1361 HI 0985 AAC22646.1               GLALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGT   225
NTDB id 1250 GCO85 RS13065 WP 027219989.1     GLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITE.NGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCI   225
NTDB id 1152 A1552VC RS00200 WP 000654772.1   GLALGIDGYAHDGALQAQGQTVAVLGSGLAQVYPKQHQGLAERIIA.QGALVSEFAPHTPPKADHFPRRNRIISGLSLGV   226
NTDB id 186745 VSVS12 RS01280 WP 065429622.1  GLALGIDGYAHDGALTAKGKTIAVLGCGLEHVYPARHRKLAARVVQ.NGALVSEFHPRTLPKASNFPRRNRIISGLSLGV   233
NTDB id 1399 DSB67 RS15600 WP 010645755.1     GLALGIDGHAHDGALLAGGKTIAVLGSGLEQVYPARHRGLAQRVAE.NGALVSEFRPDAKPRAENFPRRNRIISGLSLGV   228
consensus                                     !*!*!!!* *!***** ! !*!!*!*!** *!! *** !*  *** *! **!!!** **! !**!!*!!!*!**!!***
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logo

NTDB id 1094 KZH42 RS01320 WP 002224767.1   LVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIP   311
NTDB id 1089 NMB RS00600 WP 002224767.1     LVVEAALESGSLITARLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIP   311
NTDB id 1120 NGFG RS10355 WP 020997408.1    LVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTP   311
NTDB id 1122 OK783 RS09595 WP 003705341.1   LVVEAALESGSLITAGLAAEMGREVMAVPGSIDNPHSKGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTP   311
NTDB id 1388 A4U84 RS04945 WP 062924099.1   LVIEATVNSGSLITARYALEQGREVFALPNSVQNPYSEGCHKLIKEGALLVENVEDILEAIAWQRQSVHIQ.....PSL.   298
NTDB id 1361 HI 0985 AAC22646.1             LVVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHS..IHSQ.....TEID   298
NTDB id 1250 GCO85 RS13065 WP 027219989.1   LVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSN.....KPI.   299
NTDB id 1152 A1552VC RS00200 WP 000654772.1 VVVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAASQGSNQLIRQGACLVQSVQQIHQELKNALTWSLSE.....QVP.   300
NTDB id 1186745 VSVS12 RS01280 WP 065429622.1 LVVEAAEKSGSLITARYAAEQGRDVFAIPGSIQVPQARGCNSLIQQGACLVQSEQDVLNEIDTLLRWSNIN.....KPL.   307
NTDB id 1399 DSB67 RS15600 WP 010645755.1   LVVEAAEKSGSLITARYALEQGREVFALPASINAPNASGGNQLIQNGACLVQNTQEVLNEIQSLLDWSINQ.....S.L.   301
consensus                                   *!*!!***!!!!!!!**!*!**!*!***!*** ** **!***!** !!*!** ********  *****  *      *  *

logo

NTDB id 1094 KZH42 RS01320 WP 002224767.1   EKRITAVQTASDQLS.LPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGG   390
NTDB id 1089 NMB RS00600 WP 002224767.1     EKRITAVQTASDQLS.LPEGKMPSEKTENRPVGGSILDRMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGG   390
NTDB id 1120 NGFG RS10355 WP 020997408.1    DTGRRTVQTAY..AP.PPAAKMPSEGAAGGTAVGGILDKMGFDPIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGG   388
NTDB id 1122 OK783 RS09595 WP 003705341.1   DTGRRAVQTAY..AP.PPAAKMPSEGAAGGTAVGGILDKMGFDPVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGG   388
NTDB id 1388 A4U84 RS04945 WP 062924099.1   FDT.....KP..KQAVKSEPKFAKNLPELTACQQQLFEQISLEPISVDDLAKATDMAVETALIELLNLELLGVVKQVRGG   371
NTDB id 1361 HI 0985 AAC22646.1             FDQ.....IAVPNYTPPPDPR...RL.VEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGL   369
NTDB id 1250 GCO85 RS13065 WP 027219989.1   ..........FSLA.........S.....GKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGG   353
NTDB id 1152 A1552VC RS00200 WP 000654772.1 ..........YQATLFSA.....VQSDEELPFPELLANVGIEATPIDIIASRTQIPVQDIMMQLLELELLGHVVAVPGG   364
NTDB id 1186745 VSVS12 RS01280 WP 065429622.1 ..........MQIEHSLE.....KEQKEQLPFAKLLANVGAEVTPVDILAQRTNIPVQEVMMQLLELELSGHVVAVSGG   371
NTDB id 1399 DSB67 RS15600 WP 010645755.1   ..........DLF...SA.....PIDEEELPFPQLLANVGNEATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGG   362
consensus                                             *  *     **  *       *      * ********** *!***   ***** ***** *!**!!! * *****!*

logo

NTDB id 1094 KZH42 RS01320 WP 002224767.1   RYQRIRT..   397
NTDB id 1089 NMB RS00600 WP 002224767.1     RYQRIRT..   397
NTDB id 1120 NGFG RS10355 WP 020997408.1    RYQRIRT..   395
NTDB id 1122 OK783 RS09595 WP 003705341.1   RYQRIRT..   395
NTDB id 1388 A4U84 RS04945 WP 062924099.1   YVIT.....   375
NTDB id 1361 HI 0985 AAC22646.1             YKRV.....   373
NTDB id 1250 GCO85 RS13065 WP 027219989.1   YIRCEYER.   361
NTDB id 1152 A1552VC RS00200 WP 000654772.1 YIRKGRG..   371
NTDB id 1186745 VSVS12 RS01280 WP 065429622.1 YIRKGRGKL 380
NTDB id 1399 DSB67 RS15600 WP 010645755.1   YIRKGRG..   369
consensus                                   **** *
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X non conserved

X similar

X ≥ 50% conserved