logo



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NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  .....................................MHW.RN..YVAQVDEMDCGVAALAMILKNYGSTTSLA  34
NTDB id 358 SMU RS01425 WP 002263523.1           MKQVIYVVLIVIAVNILLEIIKRVTKRGGTVSSSNPLPDGQSKLFWRRHYKLVPQIDTRDCGPAVLASVAKHYGSNYSIA  80
NTDB id 421 SGO RS10260 WP 012131060.1           .....................................MKFRKQHY..RAQVDTRDCGVAALAMIFGYYGSYFSLA  36
NTDB id 511 SMSK321 RS10730 WP 000668322.1       .....................................MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYSLA  36
NTDB id 483 SM12261 RS00275 WP 000668315.1       .....................................MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYSLA  36
NTDB id 247 KZH43 RS00220 WP 000668290.1         .....................................MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYFLA  36
NTDB id 206 SPD RS00235 WP 000668290.1           .....................................MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYFLA  36
NTDB id 171 SPR RS00230 WP 000668290.1           .....................................MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYFLA  36
NTDB id 131 SP RS00255 WP 000668284.1            .....................................MKFGKRHY..RPQVDQMDCGVASLAMVFGYYGSYYFLA  36
consensus                                                                             ********  **!*!**!!!*!*!!*****!!!****!
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NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  YLRNIAKTSLEGTTALGLVKTAEKLGFETKAIQADMSLFDVQDLPLPFIVHVTKNRDLQHFYVVVKTSKTHVVIADPDPT  114
NTDB id 358 SMU RS01425 WP 002263523.1           YLRELSKTNKQGTTALGIVEAAKKLGFETRSIKADMTLFDYNDLTYPFIVHVIKGKRLQHYYVVYGSQNNQLIIGDPDPS  160
NTDB id 421 SGO RS10260 WP 012131060.1           TLREKAKTTNDGTTALGLVKVAEGLNFETRAFKADMSLFDLEEVSYPFIAHILKDGKLLHYYVVTGQDKHTIHIADPDPQ  116
NTDB id 511 SMSK321 RS10730 WP 000668322.1       HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKGSIHIADPDPG  116
NTDB id 483 SM12261 RS00275 WP 000668315.1       HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
NTDB id 247 KZH43 RS00220 WP 000668290.1         HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
NTDB id 206 SPD RS00235 WP 000668290.1           HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
NTDB id 171 SPR RS00230 WP 000668290.1           HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
NTDB id 131 SP RS00255 WP 000668284.1            HLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPG  116
consensus                                        *!!***!!***!!!!!!*!**!****!!!****!!!*!!!******!!**!**!***!*!*!!!**********!*!!!!*
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NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  VAVISMSKERFESEWSGVALFFAPKSEYKPVKQDKGSLWGFIPSLLKQRRLVINIVLAAVLITIISICGSYFLQAVIDTY  194
NTDB id 358 SMU RS01425 WP 002263523.1           VKVTRMSKERFQSEWTGLAIFLAPQPNYKPHKGEKNGLSNFFPLIFKQKALMTYIIIASLIVTLIDIVGSYYLQGILDEY  240
NTDB id 421 SGO RS10260 WP 012131060.1           VKMTKISRERFEQEWTGITIFLAPSPAYKPSQEKKNGLLDFIPLLIKQKGLITNIVLATLLVTLINIVGSYYLQSIIDTY  196
NTDB id 511 SMSK321 RS10730 WP 000668322.1       VKLTKLPRERFAEEWTGVTLFMAPSPDYKPHKDQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY  196
NTDB id 483 SM12261 RS00275 WP 000668315.1       VKLTKLPRERFAEEWTGVTLFMAPSPDYKPHKDQKNGLLSFIPILVKQRGLIANIVLATLLVTLINIVGSYYLQSIIDTY  196
NTDB id 247 KZH43 RS00220 WP 000668290.1         VKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY  196
NTDB id 206 SPD RS00235 WP 000668290.1           VKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY  196
NTDB id 171 SPR RS00230 WP 000668290.1           VKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY  196
NTDB id 131 SP RS00255 WP 000668284.1            VKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTY  196
consensus                                        !*******!!!**!!*!***!*!!***!!!****!**!**!*!***!!**!***!**!****!*!*!*!!!*!!***!*!
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NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  IPNNMHSTLAVVAIGLLVFYTFQAIFTYAQNFLLAVLGQRLSIEILGYIRHVFELPMSFFATRRTGEIVSRFTDASKII  274
NTDB id 358 SMU RS01425 WP 002263523.1           IPDQLISTLGMITIGLIITYIIQQVMAFAKEYLLAVLSLRLVIDVILSYIKHIFTLPMSFFATRRTGEITSRFTDANQII  320
NTDB id 421 SGO RS10260 WP 012131060.1           VPDHMKTTLGMISIGLIIVYILQQFLSYAQEYLLLVLGQRLSIDVILSYIKHVFQLPMSFFATRRTGEIVSRFTDANRII  276
NTDB id 511 SMSK321 RS10730 WP 000668322.1       VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII  276
NTDB id 483 SM12261 RS00275 WP 000668315.1       VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII  276
NTDB id 247 KZH43 RS00220 WP 000668290.1         VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII  276
NTDB id 206 SPD RS00235 WP 000668290.1           VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII  276
NTDB id 171 SPR RS00230 WP 000668290.1           VPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII  276
NTDB id 131 SP RS00255 WP 000668284.1            VPDQMRSTLGIISIGLVIVYIFQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSII  276
consensus                                        *!*****!!****!!!***!**!*****!***!!*!!**!!*!**!!*!!*!*!*!!!!!!!!!!!!!!*!!!!!!**!!
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NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  DALASTIVSLFLDVSIVIIMGAILVIQNMTLFWITLLSLPIYAVVILAFNKSFERLNQKEMESNAILSSAIIEDLHGIET  354
NTDB id 358 SMU RS01425 WP 002263523.1           DAVASTIFSIFLDMTMVILVGGVLLAQNNNLFFLTLLSIPIYAIIIFAFLKPFEKMNHEVMESNAVVSSSIIEDINGMET  400
NTDB id 421 SGO RS10260 WP 012131060.1           DALASTILSIFLDVSIVSIIAIVLFSQNSSLFFLTLLGIPVYALIIFLFMKPFEKMNHETMEANSLLSSSIIEDINGIET  356
NTDB id 511 SMSK321 RS10730 WP 000668322.1       DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET  356
NTDB id 483 SM12261 RS00275 WP 000668315.1       DALASTILSIFLDVSTVVIISLVLFSQNTNLFFITLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET  356
NTDB id 247 KZH43 RS00220 WP 000668290.1         DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET  356
NTDB id 206 SPD RS00235 WP 000668290.1           DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET  356
NTDB id 171 SPR RS00230 WP 000668290.1           DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET  356
NTDB id 131 SP RS00255 WP 000668284.1            DALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIET  356
consensus                                        !!*!!!!*!*!!!***!******!**!!**!!**!!!**!*!***!**!*!*!!**!***!!*!***!!*!!!!**!*!!
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NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  VKALNGETERYQKIDSEFVDYLRKSLAYLKADTLQQALKLFIQLVLEVVVLWVGANLVIHNQLSVGELMTYNALLAYFVN  434
NTDB id 358 SMU RS01425 WP 002263523.1           IKSLTSESARYQNIDSEFVDYLEKNFKLHKYSAIQTALKSGAKLILNVVILWYGSRLVMDNKISVGQLITFNALLSYFSN  480
NTDB id 421 SGO RS10260 WP 012131060.1           IKSLTSEKQRYQKIDKEFVTYLKKSFAYGRSESLQKVLKAAARLILNVLILWLGATLVMDQKISLGQLITYNTLLVYFTN  436
NTDB id 511 SMSK321 RS10730 WP 000668322.1       IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN  436
NTDB id 483 SM12261 RS00275 WP 000668315.1       IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN  436
NTDB id 247 KZH43 RS00220 WP 000668290.1         IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN  436
NTDB id 206 SPD RS00235 WP 000668290.1           IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN  436
NTDB id 171 SPR RS00230 WP 000668290.1           IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN  436
NTDB id 131 SP RS00255 WP 000668284.1            IKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTN  436
consensus                                        *!*!**!**!!!*!!*!!!*!!*!**********!**!!****!*!*!**!!*!**!!******!*!*!*!*!*!!*!*!
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NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  PLQNIINLQTKLQSAKVANNRLNEVYLVASEFEASRPIHNESQLNGDIKLQGVSYRYGYGENVLDDVNLTIRQHDKIAIV  514
NTDB id 358 SMU RS01425 WP 002263523.1           PIENIINLQSKLQSARVANTRLNEVYLVESEFEKDGDLSENSFLDGDISFENLSYKYGFGRDTLSDINLSIKKGSKVSLV  560
NTDB id 421 SGO RS10260 WP 012131060.1           PLENIINLQTKLQSARVANERLNEVYLVKSEFEEKKLIKDLSHFQADIDFRGVSYKYGYGANVLSEIDLHIPAGSKTSFV  516
NTDB id 511 SMSK321 RS10730 WP 000668322.1       PLENIINLQTKLQTAQVANNRLNEVYLVTSEFEEKKTVEDLSLMKGEMTFKQVYYKYGYGRDVLSDINLTIPQGSKVAFV  516
NTDB id 483 SM12261 RS00275 WP 000668315.1       PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVSYKYGYGRDVLLDINLTIPQGSKVAFV  516
NTDB id 247 KZH43 RS00220 WP 000668290.1         PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV  516
NTDB id 206 SPD RS00235 WP 000668290.1           PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV  516
NTDB id 171 SPR RS00230 WP 000668290.1           PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV  516
NTDB id 131 SP RS00255 WP 000668284.1            PLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFV  516
consensus                                        !**!!!!!!*!!!*!*!!!*!!!!!!!!*!!!!********!**********  !*!!*!***!****!******!***!
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NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  GMSGSGKSTLVKLLIDFYQPNSGDVILNGFNVKNIDKHTLRTHINYIPQEPYIFSATIEENLRLGNRSGITEKDIAKACQ  594
NTDB id 358 SMU RS01425 WP 002263523.1           GASGSGKTTLAKLIVNFYEPNKGIVRINGNDLKVIDKTALRRHISYLPQQAYVFSGSIMDNLVLGAKEGTSQEDIRACE  640
NTDB id 421 SGO RS10260 WP 012131060.1           GVSGSGKTTLAKMMVHFYAPNQGDICLGGVNLNQLDKQALRQYINYLPQQPYVFNGTILENLLLGARFGTTQEDILRAVE  596
NTDB id 511 SMSK321 RS10730 WP 000668322.1       GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVE  596
NTDB id 483 SM12261 RS00275 WP 000668315.1       GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILDNLLLGAKEGTTQEDILRAVE  596
NTDB id 247 KZH43 RS00220 WP 000668290.1         GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVE  596
NTDB id 206 SPD RS00235 WP 000668290.1           GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVE  596
NTDB id 171 SPR RS00230 WP 000668290.1           GISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVE  596
NTDB id 131 SP RS00255 WP 000668284.1            GISGSGKTTLAKMMVNFYDPSQGEISLGSVNLNQIDKKALRQYINYLSQQPYVFNGTILENLLLGAKEGTTQEDILRAVE  596
consensus                                        !*!!!!!*!!*!****!!*!**!*************!!**!!**!*!**!**!*!***!**!!*!!***!****!!**!**
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logo
NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  LALIDTDINKMTMQYQTKLDENGNTLSGGQRQRLTIARALLSPAQVLIFDESTSGLDAITEKQLIDNLVAMTDKTIIFIA  674
NTDB id 358 SMU RS01425 WP 002263523.1           IAEIRSDIEQMPQGYQTEL.SDGAGISGGQKQRIALARALLTQAPVLILDEATSSLDILTEKKIISNLLQMTEKTIIFVA  719
NTDB id 421 SGO RS10260 WP 012131060.1           LAEIRSDIERMPLNYQTELSADGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIIDNLMVL.DKTIIFIA  675
NTDB id 511 SMSK321 RS10730 WP 000668322.1       LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPILILDEATSSLDILTEKRIVDNLMAL.DKTLIFIA  675
NTDB id 483 SM12261 RS00275 WP 000668315.1       LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLMAL.DKTLIFIA  675
NTDB id 247 KZH43 RS00220 WP 000668290.1         LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIA  675
NTDB id 206 SPD RS00235 WP 000668290.1           LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIA  675
NTDB id 171 SPR RS00230 WP 000668290.1           LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIA  675
NTDB id 131 SP RS00255 WP 000668284.1            LAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIA  675
consensus                                        *!*!**!!**!***!!!*!***!***!!!!*!!***!!!!!**!**!!*!!*!!*!!*!!**!!!****!!***  *!!*!!*!
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logo
NTDB id 970330 GBCCF0227 RS01840 WP 340641456.1  HRLSIAKRTNHIIVLHDGRVAEEGTHAALLNEHGYYYDLINS  716
NTDB id 358 SMU RS01425 WP 002263523.1           HRLSISQRTDEVIVMDQGKIVEQGTHKELLAKQGFYYNLFN.  760
NTDB id 421 SGO RS10260 WP 012131060.1           HRLTIAERSEQVVVLDQGRIVESGSHKELIEREGFYHHLVNS  717
NTDB id 511 SMSK321 RS10730 WP 000668322.1       HRLTIAERTEKVVVLNQGKIVEEGKHADLLAQGGFYAHLVNS  717
NTDB id 483 SM12261 RS00275 WP 000668315.1       HRLTIAERTEKVVVLDQGKIVEEGNHADLLAQGGFYAHLVNS  717
NTDB id 247 KZH43 RS00220 WP 000668290.1         HRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS  717
NTDB id 206 SPD RS00235 WP 000668290.1           HRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS  717
NTDB id 171 SPR RS00230 WP 000668290.1           HRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS  717
NTDB id 131 SP RS00255 WP 000668284.1            HRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS  717
consensus                                        !!!*!**!*****!***!***!*!*!**!****!*!**!*!*
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X non conserved
X similar
X ≥ 50% conserved