logo



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NTDB id 421 SGO RS10260 WP 012131060.1      .....................................MKFRKQHYRAQVDTRDCGVAALAMIFGYYGSYFSLATLREK   41
NTDB id 483 SM12261 RS00275 WP 000668315.1  .....................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGSYYSLAHLREL   41
NTDB id 511 SMSK321 RS10730 WP 000668322.1  .....................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGSYYSLAHLREL   41
NTDB id 247 KZH43 RS00220 WP 000668290.1    .....................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGSYYFLAHLREL   41
NTDB id 206 SPD RS00235 WP 000668290.1      .....................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGSYYFLAHLREL   41
NTDB id 171 SPR RS00230 WP 000668290.1      .....................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGSYYFLAHLREL   41
NTDB id 131 SP RS00255 WP 000668284.1       .....................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGSYYFLAHLREL   41
NTDB id 41226 ANG RS08155 WP 025271907.1    .....................................MNVKKTFVPQIDARDCGVAALASIAKYYGSDYSLAHLREL   40
NTDB id 358 SMU RS01425 WP 002263523.1      MKQVIYVVLIVIAVNILLEIIKRVTKRGGTVSSSNPLPDGQSKLFWRRHYKLVPQIDTRDCGPAVLASVAKHYGSNYSIAYLREL   85
consensus                                   **********!*!**!!!*!*!!*****!!!****!*!!!*
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NTDB id 421 SGO RS10260 WP 012131060.1      AKTTNDGTTALGLVKVAEGLNFETRAFKADMSLFDLEEVSYPFIAHILKDGKLLHYYVVTGQDKHTIHIADPDPQVKMTKISRER   126
NTDB id 483 SM12261 RS00275 WP 000668315.1  AKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPGVKLTKLPRER   126
NTDB id 511 SMSK321 RS10730 WP 000668322.1  AKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKGSIHIADPDPGVKLTKLPRER   126
NTDB id 247 KZH43 RS00220 WP 000668290.1    AKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPGVKLTKLPRER   126
NTDB id 206 SPD RS00235 WP 000668290.1      AKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPGVKLTKLPRER   126
NTDB id 171 SPR RS00230 WP 000668290.1      AKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPGVKLTKLPRER   126
NTDB id 131 SP RS00255 WP 000668284.1       AKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIADPDPGVKLTKLPRER   126
NTDB id 41226 ANG RS08155 WP 025271907.1    AKTSKEGTTALGIVQAAQEIGFETRPIQGDMSLFDMEAIPYPFIVHVQKKGKLPHYYVIYKNTKKGLLVGDPDPSVKITKISKEQ   125
NTDB id 358 SMU RS01425 WP 002263523.1      SKTNKQGTTALGIVEAAKKLGFETRSIKADMTLFDYNDLTYPFIVHVIKGKRLQHYYVVYGSQNNQLIIGDPDPSVKVTRMSKER   170
consensus                                   *!!***!!!!!!*!**!****!!!*****!!*!!!******!!**!**!***!*!!!!*****************!!!!*!!*!****!*
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NTDB id 421 SGO RS10260 WP 012131060.1      FEQEWTGITIFLAPSPAYKPSQEKKNGLLDFIPLLIKQKGLITNIVLATLLVTLINIVGSYYLQSIIDTYVPDHMKTTLGMISIG   211
NTDB id 483 SM12261 RS00275 WP 000668315.1  FAEEWTGVTLFMAPSPDYKPHKDQKNGLLSFIPILVKQRGLIANIVLATLLVTLINIVGSYYLQSIIDTYVPDQMRSTLGIISIG   211
NTDB id 511 SMSK321 RS10730 WP 000668322.1  FAEEWTGVTLFMAPSPDYKPHKDQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTYVPDQMRSTLGIISIG   211
NTDB id 247 KZH43 RS00220 WP 000668290.1    FEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTYVPDQMRSTLGIISIG   211
NTDB id 206 SPD RS00235 WP 000668290.1      FEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTYVPDQMRSTLGIISIG   211
NTDB id 171 SPR RS00230 WP 000668290.1      FEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTYVPDQMRSTLGIISIG   211
NTDB id 131 SP RS00255 WP 000668284.1       FEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQSIIDTYVPDQMRSTLGIISIG   211
NTDB id 41226 ANG RS08155 WP 025271907.1    FTKEWTGVAIFLAPKPSYKPHKDKKNGLASFLPLIFKQRSLIFYIVLASLLVTLINIVGSYYLQSVLDEYIPNQMKSTLGIVSIG   210
NTDB id 358 SMU RS01425 WP 002263523.1      FQSEWTGLAIFLAPQPNYKPHKGEKNGLSNFFPLIFKQKALMTYIIIASLIVTLIDIVGSYYLQGILDEYIPDQLISTLGMITIG   255
consensus                                   !**!!!!***!*!!*!*!!!****!!!!**!*!***!!**!***!**!*!*!!*!*!!!!!!!!***!*!*!****!!!***!!
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NTDB id 421 SGO RS10260 WP 012131060.1      LIIVYILQQFLSYAQEYLLLVLGQRLSIDVILSYIKHVFQLPMSFFATRRTGEIVSRFTDANRIIDALASTILSIFLDVSIVSII   296
NTDB id 483 SM12261 RS00275 WP 000668315.1  LVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSIIDALASTILSIFLDVSTVVII   296
NTDB id 511 SMSK321 RS10730 WP 000668322.1  LVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSIIDALASTILSIFLDVSTVVII   296
NTDB id 247 KZH43 RS00220 WP 000668290.1    LVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSIIDALASTILSIFLDVSTVVII   296
NTDB id 206 SPD RS00235 WP 000668290.1      LVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSIIDALASTILSIFLDVSTVVII   296
NTDB id 171 SPR RS00230 WP 000668290.1      LVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSIIDALASTILSIFLDVSTVVII   296
NTDB id 131 SP RS00255 WP 000668284.1       LVIVYIFQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTDANSIIDALASTILSIFLDVSTVVII   296
NTDB id 41226 ANG RS08155 WP 025271907.1    LIITYILQQMMSFSRDYLLIVLSQRLTIDVILSYIRHIFELPMSFFATRRTGEIISRFTDANSIIDALASTILSLLLDLSILIIV   295
NTDB id 358 SMU RS01425 WP 002263523.1      LIITYIIQQVMAFAKEYLLAVLSLRLVIDVILSYIKHIFTLPMSFFATRRTGEITSRFTDANQIIDAVASTIFSIFLDMTMVILV   340
consensus                                   !*!*!!*!!*******!!!*!!**!!*!!!!!!!!*!*!*!!!!!!!!!!!!!!!*!!!!!!!*!!!!*!!!!*!**!!*******
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NTDB id 421 SGO RS10260 WP 012131060.1      AIVLFSQNSSLFFLTLLGIPVYALIIFLFMKPFEKMNHETMEANSLLSSSIIEDINGIETIKSLTSEKQRYQKIDKEFVTYLKKS  381
NTDB id 483 SM12261 RS00275 WP 000668315.1  SLVLFSQNTNLFFITLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIETIKSLTSESQRYQKIDKEFVDYLKKS  381
NTDB id 511 SMSK321 RS10730 WP 000668322.1  SLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIETIKSLTSESQRYQKIDKEFVDYLKKS  381
NTDB id 247 KZH43 RS00220 WP 000668290.1    SLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIETIKSLTSESQRYQKIDKEFVDYLKKS  381
NTDB id 206 SPD RS00235 WP 000668290.1      SLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIETIKSLTSESQRYQKIDKEFVDYLKKS  381
NTDB id 171 SPR RS00230 WP 000668290.1      SLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIETIKSLTSESQRYQKIDKEFVDYLKKS  381
NTDB id 131 SP RS00255 WP 000668284.1       SLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDINGIETIKSLTSESQRYQKIDKEFVDYLKKS  381
NTDB id 41226 ANG RS08155 WP 025271907.1    GSVLLLQNANLFLLTLLAIPIYALIIFAFMKPFEKMNNDVMQSNAMVNSAIIEDINGIETIKSLTSEESRYQKIDSEFVDYLDKT  380
NTDB id 358 SMU RS01425 WP 002263523.1      GGVLLAQNNNLFFLTLLSIPIYAIIIFAFLKPFEKMNHEVMESNAVVSSSIIEDINGMETIKSLTSESARYQNIDSEFVDYLEKN  425
consensus                                   **!!**!!**!!*!!!**!*!**!!!*!*!!!!!!!***!**!***!*!!!!!!!*!!!!!!!!!!**!!!*!!*!!!*!!*!*
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NTDB id 421 SGO RS10260 WP 012131060.1      FAYGRSESLQKVLKAAARLILNVLILWLGATLVMDQKISLGQLITYNTLLVYFTNPLENIINLQTKLQSARVANERLNEVYLVKS  466
NTDB id 483 SM12261 RS00275 WP 000668315.1  FTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTNPLENIINLQTKLQTAQVANNRLNEVYLVAS  466
NTDB id 511 SMSK321 RS10730 WP 000668322.1  FTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTNPLENIINLQTKLQTAQVANNRLNEVYLVTS  466
NTDB id 247 KZH43 RS00220 WP 000668290.1    FTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTNPLENIINLQTKLQTAQVANNRLNEVYLVAS  466
NTDB id 206 SPD RS00235 WP 000668290.1      FTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTNPLENIINLQTKLQTAQVANNRLNEVYLVAS  466
NTDB id 171 SPR RS00230 WP 000668290.1      FTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTNPLENIINLQTKLQTAQVANNRLNEVYLVAS  466
NTDB id 131 SP RS00255 WP 000668284.1       FTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLLVYFTNPLENIINLQTKLQTAQVANNRLNEVYLVAS  466
NTDB id 41226 ANG RS08155 WP 025271907.1    FKLSKYSIVQTALKQGAQFVLNVVILWVGASLVMSQKISIGQLITFNALLSYFTSPLESIINLQTKLQSAKVANHRLNEIYLVES  465
NTDB id 358 SMU RS01425 WP 002263523.1      FKLHKYSAIQTALKSGAKLILNVVILWYGSRLVMDNKISVGQLITFNALLSYFSNPIENIINLQSKLQSARVANTRLNEVYLVES  510
consensus                                   !********!**!!**!***!!!*!!!*!**!!!**!*!*!!!!!*!*!!*!!**!*!*!!!!*!!!*!*!!!*!!!!*!!!*!
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NTDB id 421 SGO RS10260 WP 012131060.1      EFEEKKLIKDLSHFQADIDFRGVSYKYGYGANVLSEIDLHIPAGSKTSFVGVSGSGKTTLAKMMVHFYAPNQGDICLGGVNLNQL  551
NTDB id 483 SM12261 RS00275 WP 000668315.1  EFEEKKTVEDLSLMKGDMTFKQVSYKYGYGRDVLLDINLTIPQGSKVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQI  551
NTDB id 511 SMSK321 RS10730 WP 000668322.1  EFEEKKTVEDLSLMKGEMTFKQVYYKYGYGRDVLSDINLTIPQGSKVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQI  551
NTDB id 247 KZH43 RS00220 WP 000668290.1    EFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQI  551
NTDB id 206 SPD RS00235 WP 000668290.1      EFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQI  551
NTDB id 171 SPR RS00230 WP 000668290.1      EFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQI  551
NTDB id 131 SP RS00255 WP 000668284.1       EFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGSKVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGSVNLNQI  551
NTDB id 41226 ANG RS08155 WP 025271907.1    EFKTKQVLTEKNFLAGDITFHNVSYKYGFGRDTLSDISLTIKKGDKISLFGISGSGKTTLAKMIVHFYEPYQGQIRLNGNDLKTI  550
NTDB id 358 SMU RS01425 WP 002263523.1      EFEKDGDLSENSFLDGDISFENLSYKYGFGRDTLSDINLSIKKGSKVSLVGASGSGKTTLAKLIVNFYEPNKGIVRINGNDLKVI  595
consensus                                   !!*****************!***  !!!!*!***!**!*!****!*!****!*!!!!!!!!!!**!*!!*!**!*********!***
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NTDB id 421 SGO RS10260 WP 012131060.1      DKQALRQYINYLPQQPYVFNGTILENLLLGARFGTTQEDILRAVELAEIRSDIERMPLNYQTELSADGAGISGGQRQRIALARAL  636
NTDB id 483 SM12261 RS00275 WP 000668315.1  DKKALRQYINYLPQQPYVFNGTILDNLLLGAKEGTTQEDILRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARAL  636
NTDB id 511 SMSK321 RS10730 WP 000668322.1  DKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARAL  636
NTDB id 247 KZH43 RS00220 WP 000668290.1    DKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARAL  636
NTDB id 206 SPD RS00235 WP 000668290.1      DKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARAL  636
NTDB id 171 SPR RS00230 WP 000668290.1      DKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDILRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARAL  636
NTDB id 131 SP RS00255 WP 000668284.1       DKKALRQYINYLSQQPYVFNGTILENLLLGAKEGTTQEDILRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARAL  636
NTDB id 41226 ANG RS08155 WP 025271907.1    DKKVLRQYINYLPQQAYIFSGSILDNLTLGADQTVSQSDILRACEIAEIRSDIEQMPMGYQTELS.DGAGLSGGQKQRIALARAL  634
NTDB id 358 SMU RS01425 WP 002263523.1      DKTALRRHISYLPQQAYVFSGSIMDNLVLGAKEGTSQEDIIRACEIAEIRSDIEQMPQGYQTELS.DGAGISGGQKQRIALARAL  679
consensus                                   !!**!!**!*!!*!!*!*!*!*!**!!*!!!!*****!*!!*!!*!*!!!!*!!!*!!**!!!!!**!!!!*!!!!*!!!!!!!!!
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NTDB id 421 SGO RS10260 WP 012131060.1      LTDAPVLILDEATSSLDILTEKRIIDNLMVL.DKTIIFIAHRLTIAERSEQVVVLDQGRIVESGSHKELIEREGFYHHLVNS   717
NTDB id 483 SM12261 RS00275 WP 000668315.1  LTDAPVLILDEATSSLDILTEKRIVDNLMAL.DKTLIFIAHRLTIAERTEKVVVLDQGKIVEEGNHADLLAQGGFYAHLVNS   717
NTDB id 511 SMSK321 RS10730 WP 000668322.1  LTDAPILILDEATSSLDILTEKRIVDNLMAL.DKTLIFIAHRLTIAERTEKVVVLNQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 247 KZH43 RS00220 WP 000668290.1    LTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIAHRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 206 SPD RS00235 WP 000668290.1      LTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIAHRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 171 SPR RS00230 WP 000668290.1      LTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIAHRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 131 SP RS00255 WP 000668284.1       LTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKTLIFIAHRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 41226 ANG RS08155 WP 025271907.1    LTKSPILILDEATSGLDVLTEKKVIDNLMKLPDKTIIFVAHRLSISKRTNQIIVLDQGKVIETGSHTELIERKGFYYHLFNK   716
NTDB id 358 SMU RS01425 WP 002263523.1      LTQAPVLILDEATSSLDILTEKKIISNLLQMTEKTIIFVAHRLSISQRTDEVIVMDQGKIVEQGTHKELLAKQGFYYNLFN.   760
consensus                                   !!**!*!!!!!!!!*!!*!!!!*****!!*** *!!*!!*!!!!*!**!*****!**!!***!*!*!**!****!!!**!*!*
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X non conserved

X similar

X ≥ 50% conserved