logo

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NTDB id 421 SGO RS10260 WP 012131060.1          ..............................................MKFRKQHYRAQVDTRDCGVAALAMIFGYYGS   31
NTDB id 511 SMSK321 RS10730 WP 000668322.1      ..............................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGS   31
NTDB id 483 SM12261 RS00275 WP 000668315.1      ..............................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGS   31
NTDB id 247 KZH43 RS00220 WP 000668290.1        ..............................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGS   31
NTDB id 206 SPD RS00235 WP 000668290.1          ..............................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGS   31
NTDB id 171 SPR RS00230 WP 000668290.1          ..............................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGS   31
NTDB id 131 SP RS00255 WP 000668284.1           ..............................................MKFGKRHYRPQVDQMDCGVASLAMVFGYYGS   31
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1     MNIFSYLLLTVVSVLLVNLFLEFIKYFFKTTPAMNKENS..KKSSIFLWSRTRRFKFVPQVDNRDCGPAALASIAKHYGS   78
NTDB id 358 SMU RS01425 WP 002263523.1          MKQ...VIYVVLIVIAVNILLEIIKRVTKRGGTVSSSNPLPDGQSKLFWR..RHYKLVPQIDTRDCGPAVLASVAKHYGS   75
consensus                                                                             **********!*!**!!!*!*!!*****!!!
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logo

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NTDB id 421 SGO RS10260 WP 012131060.1          YFSLATLREKAKTTNDGTTALGLVKVAEGLNFETRAFKADMSLFDLEEVSYPFIAHILKDGKLLHYYVVTGQDKHTIHIA   111
NTDB id 511 SMSK321 RS10730 WP 000668322.1      YYSLAHLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKGSIHIA   111
NTDB id 483 SM12261 RS00275 WP 000668315.1      YYSLAHLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIA   111
NTDB id 247 KZH43 RS00220 WP 000668290.1        YYFLAHLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIA   111
NTDB id 206 SPD RS00235 WP 000668290.1          YYFLAHLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIA   111
NTDB id 171 SPR RS00230 WP 000668290.1          YYFLAHLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIA   111
NTDB id 131 SP RS00255 WP 000668284.1           YYFLAHLRELAKTTMDGTTALGLVKVAEEIGFETRAIKADMTLFDLPDLTFPFVAHVLKEGKLLHYYVVTGQDKDSIHIA   111
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1     YYSLVHLRELTKTDRQGTTALGIIEAAKNIGFETYSLDADMSLFNYDDLIYPFIVHVVKNKRLQHYYVVYDDEGDSLIIG   158
NTDB id 358 SMU RS01425 WP 002263523.1          NYSIAYLRELSKTNKQGTTALGIVEAAKKLGFETRSIKADMTLFDYNDLTYPFIVHVIKGKRLQHYYVVYGSQNNQLIIG   155
consensus                                       ******!!!**!!***!!!!!!****!****!!!****!!!*!!********!!**!**!***!*!!!!!**********!*
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NTDB id 421 SGO RS10260 WP 012131060.1          DPDPQVKMTKISRERFEQEWTGITIFLAPSPAYKPSQEKKNGLLDFIPLLIKQKGLITNIVLATLLVTLINIVGSYYLQS   191
NTDB id 511 SMSK321 RS10730 WP 000668322.1      DPDPGVKLTKLPRERFAEEWTGVTLFMAPSPDYKPHKDQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQS   191
NTDB id 483 SM12261 RS00275 WP 000668315.1      DPDPGVKLTKLPRERFAEEWTGVTLFMAPSPDYKPHKDQKNGLLSFIPILVKQRGLIANIVLATLLVTLINIVGSYYLQS   191
NTDB id 247 KZH43 RS00220 WP 000668290.1        DPDPGVKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQS   191
NTDB id 206 SPD RS00235 WP 000668290.1          DPDPGVKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQS   191
NTDB id 171 SPR RS00230 WP 000668290.1          DPDPGVKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQS   191
NTDB id 131 SP RS00255 WP 000668284.1           DPDPGVKLTKLPRERFEEEWTGVTLFMAPSPDYKPHKEQKNGLLSFIPILVKQRGLIANIVLATLLVTVINIVGSYYLQS   191
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1     DPDPSVKVIRMSKERFQHEWTGVAIFFSPKDDYQPQKDKRRGLTSFIPSFLKQKSLLFYIIMASLIITLIEIIGAFYLQV   238
NTDB id 358 SMU RS01425 WP 002263523.1          DPDPSVKVTRMSKERFQSEWTGLAIFLAPQPNYKPHKGEKNGLSNFFPLIFKQKALMTYIIIASLIVTLIDIVGSYYLQG   235
consensus                                       !!!!*!!******!!!**!!!!***!**!***!*!*******!!**!*!***!!**!***!**!*!**!*!*!*!**!!!*
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logo

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NTDB id 421 SGO RS10260 WP 012131060.1          IIDTYVPDHMKTTLGMISIGLIIVYILQQFLSYAQEYLLLVLGQRLSIDVILSYIKHVFQLPMSFFATRRTGEIVSRFTD   271
NTDB id 511 SMSK321 RS10730 WP 000668322.1      IIDTYVPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTD   271
NTDB id 483 SM12261 RS00275 WP 000668315.1      IIDTYVPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTD   271
NTDB id 247 KZH43 RS00220 WP 000668290.1        IIDTYVPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTD   271
NTDB id 206 SPD RS00235 WP 000668290.1          IIDTYVPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTD   271
NTDB id 171 SPR RS00230 WP 000668290.1          IIDTYVPDQMRSTLGIISIGLVIVYILQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTD   271
NTDB id 131 SP RS00255 WP 000668284.1           IIDTYVPDQMRSTLGIISIGLVIVYIFQQILSYAQEYLLLVLGQRLSIDVILSYIKHVFHLPMSFFATRRTGEIVSRFTD   271
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1     MLDEYIPSQKISTLGFITLGLIITYVAQQIIAFAKEYLLIILGQRLVIDVILTYIKHIFILPMSFFSTRRTGEITSRFTD   318
NTDB id 358 SMU RS01425 WP 002263523.1          ILDEYIPDQLISTLGMITIGLIITYIIQQVMAFAKEYLLAVLSLRLVIDVILSYIKHIFTLPMSFFATRRTGEITSRFTD   315
consensus                                       **!*!*!*****!!!*!**!!*!*!**!!****!*!!!!**!**!!*!!!!!*!!!!*!*!!!!!!*!!!!!!!*!!!!!
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logo

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NTDB id 421 SGO RS10260 WP 012131060.1      ANRIIDALASTILSIFLDVSIVSIIAIVLFSQNSSLFFLTLLGIPVYALIIFLFMKPFEKMNHETMEANSLLSSSIIEDI 351
NTDB id 511 SMSK321 RS10730 WP 000668322.1  ANSIIDALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDI 351
NTDB id 483 SM12261 RS00275 WP 000668315.1  ANSIIDALASTILSIFLDVSTVVIISLVLFSQNTNLFFITLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDI 351
NTDB id 247 KZH43 RS00220 WP 000668290.1    ANSIIDALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDI 351
NTDB id 206 SPD RS00235 WP 000668290.1      ANSIIDALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDI 351
NTDB id 171 SPR RS00230 WP 000668290.1      ANSIIDALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDI 351
NTDB id 131 SP RS00255 WP 000668284.1       ANSIIDALASTILSIFLDVSTVVIISLVLFSQNTNLFFMTLLALPIYTVIIFAFMKPFEKMNRDTMEANAVLSSSIIEDI 351
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1 ANQIIDAVASTIFSIFLDISMVFIVGGVLLIQNVVLFFLALLCVPIYIIIVFAFMKMFGYLNYEVMESNAIMSSSVIEDI 398
NTDB id 358 SMU RS01425 WP 002263523.1      ANQIIDAVASTIFSIFLDMTMVILVGGVLLAQNNNLFFLTLLSIPIYAIIIFAFLKPFEKMNHEVMESNAVVSSSIIEDI 395
consensus                                   !!*!!!!*!!!!*!!!!!*****!!**!!**!!!**!!**!*!**!*!*!*!*!***!***!!*!***!!!*!!!!
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logo

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NTDB id 421 SGO RS10260 WP 012131060.1      NGIETIKSLTSEKQRYQKIDKEFVTYLKKSFAYGRSESLQKVLKAAARLILNVLILWLGATLVMDQKISLGQLITYNTLL 431
NTDB id 511 SMSK321 RS10730 WP 000668322.1  NGIETIKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLL 431
NTDB id 483 SM12261 RS00275 WP 000668315.1  NGIETIKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLL 431
NTDB id 247 KZH43 RS00220 WP 000668290.1    NGIETIKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLL 431
NTDB id 206 SPD RS00235 WP 000668290.1      NGIETIKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLL 431
NTDB id 171 SPR RS00230 WP 000668290.1      NGIETIKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLL 431
NTDB id 131 SP RS00255 WP 000668284.1       NGIETIKSLTSESQRYQKIDKEFVDYLKKSFTYSRAESQQKALKKVAHLLLNVGILWMGAVLVMDGKMSLGQLITYNTLL 431
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1 NGIETIKSLTSEEVSYQRIDKEFVDFLEKSFRLHKYGAIQVSIKTAAKLILNIVILWYGARLVMTGKISVGQMIAFNVLL 478
NTDB id 358 SMU RS01425 WP 002263523.1      NGMETIKSLTSESARYQNIDSEFVDYLEKNFKLHKYSAIQTALKSGAKLILNVVILWYGSRLVMDNKISVGQLITFNALL 475
consensus                                   !!*!!!!!!!!!***!!*!!*!!!**!*!*!********!***!**!*!*!!**!!!*!**!!!**!*!*!!*!**!*!!
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NTDB id 421 SGO RS10260 WP 012131060.1      VYFTNPLENIINLQTKLQSARVANERLNEVYLVKSEFEEKKLIKDLSHFQADIDFRGVSYKYGYGANVLSEIDLHIPAGS 511
NTDB id 511 SMSK321 RS10730 WP 000668322.1  VYFTNPLENIINLQTKLQTAQVANNRLNEVYLVTSEFEEKKTVEDLSLMKGEMTFKQVYYKYGYGRDVLSDINLTIPQGS 511
NTDB id 483 SM12261 RS00275 WP 000668315.1  VYFTNPLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVSYKYGYGRDVLLDINLTIPQGS 511
NTDB id 247 KZH43 RS00220 WP 000668290.1    VYFTNPLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGS 511
NTDB id 206 SPD RS00235 WP 000668290.1      VYFTNPLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGS 511
NTDB id 171 SPR RS00230 WP 000668290.1      VYFTNPLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGS 511
NTDB id 131 SP RS00255 WP 000668284.1       VYFTNPLENIINLQTKLQTAQVANNRLNEVYLVASEFEEKKTVEDLSLMKGDMTFKQVHYKYGYGRDVLSDINLTVPQGS 511
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1 GYFSSPIENMINLQIKLQSARIANTRLNEVYLVDSEFENNGELSEGSFLDGDISFEKLSYKYGYGRDTLSDINLTIKKGS 558
NTDB id 358 SMU RS01425 WP 002263523.1      SYFSNPIENIINLQSKLQSARVANTRLNEVYLVESEFEKDGDLSENSFLDGDISFENLSYKYGFGRDTLSDINLSIKKGS 555
consensus                                   *!!**!*!!*!!!!*!!!*!**!!*!!!!!!!!*!!!!********!*******!***  !!!!*!***!**!*!****!!
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NTDB id 421 SGO RS10260 WP 012131060.1      KTSFVGVSGSGKTTLAKMMVHFYAPNQGDICLGGVNLNQLDKQALRQYINYLPQQPYVFNGTILENLLLGAREGTTQEDI 591
NTDB id 511 SMSK321 RS10730 WP 000668322.1  KVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDI 591
NTDB id 483 SM12261 RS00275 WP 000668315.1  KVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILDNLLLGAKEGTTQEDI 591
NTDB id 247 KZH43 RS00220 WP 000668290.1    KVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDI 591
NTDB id 206 SPD RS00235 WP 000668290.1      KVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDI 591
NTDB id 171 SPR RS00230 WP 000668290.1      KVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGGVNLNQIDKKALRQYINYLPQQPYVFNGTILENLLLGAKEGTTQEDI 591
NTDB id 131 SP RS00255 WP 000668284.1       KVAFVGISGSGKTTLAKMMVNFYDPSQGEISLGSVNLNQIDKKALRQYINYLSQQPYVFNGTILENLLLGAKEGTTQEDI 591
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1 KVSLVGASGSGKTTLAKMIVNFYEPIQGLIRLNGYDLKDIDKTVLRQHINYLPQQAYVFSGTIMDNLTLGAKEDTIQEDI 638
NTDB id 358 SMU RS01425 WP 002263523.1      KVSLVGASGSGKTTLAKLIVNFYEPNKGIVRINGNDLKVIDKTALRRHISYLPQQAYVFSGSIMDNLVLGAKEGTSQEDI 635
consensus                                   !***!!*!!!!!!!!!!!**!*!!*!**!*********!***!!**!!**!*!!*!!*!!!*!*!**!!*!!!!*!*!*!!!!
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NTDB id 421 SGO RS10260 WP 012131060.1        LRAVELAEIRSDIERMPLNYQTELSADGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIIDNLMVL.DKT   670
NTDB id 511 SMSK321 RS10730 WP 000668322.1    LRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPILILDEATSSLDILTEKRIVDNLMAL.DKT   670
NTDB id 483 SM12261 RS00275 WP 000668315.1    LRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLMAL.DKT   670
NTDB id 247 KZH43 RS00220 WP 000668290.1      LRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKT   670
NTDB id 206 SPD RS00235 WP 000668290.1        LRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKT   670
NTDB id 171 SPR RS00230 WP 000668290.1        LRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKT   670
NTDB id 131 SP RS00255 WP 000668284.1         LRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVLILDEATSSLDILTEKRIVDNLIAL.DKT   670
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1   IRACEIAEIHSDIEQMPLGYQTELS.DSTGVSGGQKQRIALARALLTQAPVLILDEATSSLDVLTEKKIVNNLMAMTNKT   717
NTDB id 358 SMU RS01425 WP 002263523.1        IRACEIAEIRSDIEQMPQGYQTELS.DGAGISGGQKQRIALARALLTQAPVLILDEATSSLDILTEKKIISNLLQMTEKT   714
consensus                                     *!!*!*!!!*!!!*!!**!!!!!**!**!*!!!!*!!!!!!!!!!!!*!!*!!!!!!!!!!!!*!!!!*!**!!***  *!!
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NTDB id 421 SGO RS10260 WP 012131060.1        IIFIAHRLTIAERSEQVVVLDQGRIVESGSHKELIEREGFYHHLVNS   717
NTDB id 511 SMSK321 RS10730 WP 000668322.1    LIFIAHRLTIAERTEKVVVLNQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 483 SM12261 RS00275 WP 000668315.1    LIFIAHRLTIAERTEKVVVLDQGKIVEEGNHADLLAQGGFYAHLVNS   717
NTDB id 247 KZH43 RS00220 WP 000668290.1      LIFIAHRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 206 SPD RS00235 WP 000668290.1        LIFIAHRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 171 SPR RS00230 WP 000668290.1        LIFIAHRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 131 SP RS00255 WP 000668284.1         LIFIAHRLTIAERTEKVVVLDQGKIVEEGKHADLLAQGGFYAHLVNS   717
NTDB id 34728 SMUGS5 RS08505 WP 002263352.1   IVFVAHRLSIAQRTDRIIVMDQGKIVEEGSHKELLAHKGFYYKLFN.   763
NTDB id 358 SMU RS01425 WP 002263523.1        IIFVAHRLSISQRTDEVIVMDQGKIVEQGTHKELLAKQGFYYNLFN.   760
consensus                                     **!*!!!!*!**!*****!**!!*!!!*!*!**!****!!!**!*!*
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X non conserved
X similar
X ≥ 50% conserved