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logo
NTDB id 1052537 ACETK2 RS02285 WP 012773160.1  MAKAVKRAFVCNECGADYPRWQGQCSACHAWNTITEVRLASASVSRSDRLTGYAGESAGVSRVQKLSEISLEALPRFSTG   80
NTDB id 125 BSU 00870 NP 387968.1              .MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRR...AAFSHSVQTVQKPSPITSIETSEEPRVKTQ   76
NTDB id 509 SM12261 RS00130 WP 078228442.1     .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR...VSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 279 KZH43 RS00140 WP 074017595.1       .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR...VSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 238 SPD RS00140 WP 074017595.1         .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR...VSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 204 SPR RS00140 WP 074017595.1         .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR...VSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 169 SP RS00155 WP 074017595.1          .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR...VSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 537 SMSK321 RS07120 WP 080550752.1     .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR...VSLTGE...KTKPMKLAEVTSINVNRTKTE   73
consensus                                       ****!**!*!**!!***!***!*!**!**!****!**********   ******   ****************!**!*

logo
NTDB id 1052537 ACETK2 RS02285 WP 012773160.1  FQEFDRVLGGGVVPGSAILIGGNPGAGKSTLLLQTLCKLSEN.MKTLYVTGEESLQQVAMRAHRLNLPTQNLNMLSETSI   159
NTDB id 125 BSU 00870 NP 387968.1              LGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDM   156
NTDB id 509 SM12261 RS00130 WP 078228442.1     MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 279 KZH43 RS00140 WP 074017595.1       MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 238 SPD RS00140 WP 074017595.1         MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 204 SPR RS00140 WP 074017595.1         MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 169 SP RS00155 WP 074017595.1          MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 537 SMSK321 RS07120 WP 080550752.1     MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
consensus                                      **!!*!!!!!!!!!*!!**!!!!*!!*!!!!!!!!!****!!** ***!!**!!!!**!***!!*!!***********!!**

logo
NTDB id 1052537 ACETK2 RS02285 WP 012773160.1  EQICLIAEQEQPKLMVIDSIQVMHLADIQSSPGSVAQVRETAAYLTRFAKTRGVAIVMVGHVTKDGSLAGPKVLEHCIDC   239
NTDB id 125 BSU 00870 NP 387968.1              EYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDT   236
NTDB id 509 SM12261 RS00130 WP 078228442.1     QSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 279 KZH43 RS00140 WP 074017595.1       QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 238 SPD RS00140 WP 074017595.1         QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 204 SPR RS00140 WP 074017595.1         QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 169 SP RS00155 WP 074017595.1          QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 537 SMSK321 RS07120 WP 080550752.1     QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
consensus                                      **********!*****!!!!******!****!!!*!!!!**!*!***!!!****!**!!!!!!*!**!!!**!!!**!*

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NTDB id 1052537 ACETK2 RS02285 WP 012773160.1  SVLLDGDADSRFRTLRSHKNRFGAVNELGVFAMTEQGLREVSNPSAIFLSRGDEVTSGSSVMVVWEGTRPLLVEIQALVD   319
NTDB id 125 BSU 00870 NP 387968.1              VLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALIS   316
NTDB id 509 SM12261 RS00130 WP 078228442.1     VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 279 KZH43 RS00140 WP 074017595.1       VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 238 SPD RS00140 WP 074017595.1         VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 204 SPR RS00140 WP 074017595.1         VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 169 SP RS00155 WP 074017595.1          VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 537 SMSK321 RS07120 WP 080550752.1     VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
consensus                                      *****!*****!!*!!**!!!!!**!!*!*!*!***!!*!!*!!!**!!********!!!****!!!!!*!*!*!!!**
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NTDB id 1052537 ACETK2 RS02285 WP 012773160.1   QSMMSNPRRVAVGLEQNRLAILLAVLHRHGGLQMSDQDVFVNVVGGVKVTETSADLALLLSLVSSFRDRPLPQDLVIFGE   399
NTDB id 125 BSU 00870 NP 387968.1               PTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGE   396
NTDB id 509 SM12261 RS00130 WP 078228442.1      PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 279 KZH43 RS00140 WP 074017595.1        PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 238 SPD RS00140 WP 074017595.1          PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 204 SPR RS00140 WP 074017595.1          PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 169 SP RS00155 WP 074017595.1           PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 537 SMSK321 RS07120 WP 080550752.1      PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
consensus                                       *****!**!***!***!!*****!!!****!!****!!******!!!!**!***!!!******!!**!*!********!!
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NTDB id 1052537 ACETK2 RS02285 WP 012773160.1   VGLAGEIRPVPSGQERITEAAKHGFKRAIVPHANMPKK.TPASMQVFGVKKLADALAILDDL   460
NTDB id 125 BSU 00870 NP 387968.1               VGLTGEVRRVSRIEQRVKEAAKLGFKRMITPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 509 SM12261 RS00130 WP 078228442.1      LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1        LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1          LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1          LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1           LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1      LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
consensus                                       *!!*!!*!*!*****!*!!!!*!!*****!********  !****!*!!******!*****
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X non conserved
X similar
X ≥ 50% conserved