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logo
NTDB id 1106295 ACN23B RS19215 WP 010997964.1  MAKPKTFYICNECGAESPQWFGKCPACGTYNSLEEQITIQSSVDVPKGGVSGWHASQNNGKAPVKPPKARASLTFDQITD   80
NTDB id 125 BSU 00870 NP 387968.1              MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRR....AAFSHSVQT....V.....QKPSPITSIET   67
NTDB id 537 SMSK321 RS07120 WP 080550752.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE.......K.....TKPMKLAEVTS   64
NTDB id 279 KZH43 RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE.......K.....TKPMKLAEVTS   64
NTDB id 238 SPD RS00140 WP 074017595.1         MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE.......K.....TKPMKLAEVTS   64
NTDB id 204 SPR RS00140 WP 074017595.1         MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE.......K.....TKPMKLAEVTS   64
NTDB id 169 SP RS00155 WP 074017595.1          MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE.......K.....TKPMKLAEVTS   64
NTDB id 509 SM12261 RS00130 WP 078228442.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE.......K.....TKPMKLAEVTS   64
consensus                                      !!!*!****!**!!**!!***!*!!*!!******!**********    ******        *     **********

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NTDB id 1106295 ACN23B RS19215 WP 010997964.1  RQIARWESGYGELDRVLGGGVVPGSMVLIGGDPGIGKSTLLLQVSNQLAQR.YRILYVTGEESGQQVKLRASRLGVAKCL  159
NTDB id 125 BSU 00870 NP 387968.1              SEEPRVKTQLGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGIN...  144
NTDB id 537 SMSK321 RS07120 WP 080550752.1     INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...  140
NTDB id 279 KZH43 RS00140 WP 074017595.1       INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...  140
NTDB id 238 SPD RS00140 WP 074017595.1         INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...  140
NTDB id 204 SPR RS00140 WP 074017595.1         INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...  140
NTDB id 169 SP RS00155 WP 074017595.1          INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...  140
NTDB id 509 SM12261 RS00130 WP 078228442.1     INVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...  140
consensus                                      ****!******!**!!!!!!!!!*!!*!!!!!!!!!!!!!!!!!!!!*!!*** ***!!**!!!!**!*!!!!*!!!**

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NTDB id 1106295 ACN23B RS19215 WP 010997964.1  SVVGDDQQEESEQTSPVSIAESVGADLYVLPETDLEEILREVDSLKPNVAVIDSIQTVFFPALTSAPGSVAQVRECTAAL  239
NTDB id 125 BSU 00870 NP 387968.1              ......................NPSLHVLSETDMEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAEL  201
NTDB id 537 SMSK321 RS07120 WP 080550752.1     ......................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAEL  197
NTDB id 279 KZH43 RS00140 WP 074017595.1       ......................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAEL  197
NTDB id 238 SPD RS00140 WP 074017595.1         ......................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAEL  197
NTDB id 204 SPR RS00140 WP 074017595.1         ......................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAEL  197
NTDB id 169 SP RS00155 WP 074017595.1          ......................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAEL  197
NTDB id 509 SM12261 RS00130 WP 078228442.1     ......................DSEFYLYAETNMQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAEL  197
consensus                                      ********!!*******************!*****!!!!!!************!!!*!!!!*!!*!

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NTDB id 1106295 ACN23B RS19215 WP 010997964.1  MKVAKHEDITMLIVGHVTKEGAIAGPKVLEHLVDTVLYFEGDRFASHRLLRTVKNRFGATHEIGIFEMVANGLREVPNPS  319
NTDB id 125 BSU 00870 NP 387968.1              MKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPS  281
NTDB id 537 SMSK321 RS07120 WP 080550752.1     MQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPS  277
NTDB id 279 KZH43 RS00140 WP 074017595.1       MQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPS  277
NTDB id 238 SPD RS00140 WP 074017595.1         MQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPS  277
NTDB id 204 SPR RS00140 WP 074017595.1         MQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPS  277
NTDB id 169 SP RS00155 WP 074017595.1          MQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPS  277
NTDB id 509 SM12261 RS00130 WP 078228442.1     MQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPS  277
consensus                                      !**!!***!***!!!!!!!!!!**!!!**!!!*!!!!!!!!!*!****!*!!*!!!!!!*!*!*!!!!!***!!*!!*!!!
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NTDB id 1106295 ACN23B RS19215 WP 010997964.1   ELFLGNRDDPAPGTAIVVACEGTRPIVVELQALVSPTSYPSPRRAGTGIDYNRLVQILAVLEKRVGIPMSKLDSYVASAG   399
NTDB id 125 BSU 00870 NP 387968.1               EIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAG   361
NTDB id 537 SMSK321 RS07120 WP 080550752.1      QVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAG   357
NTDB id 279 KZH43 RS00140 WP 074017595.1        QVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAG   357
NTDB id 238 SPD RS00140 WP 074017595.1          QVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAG   357
NTDB id 204 SPR RS00140 WP 074017595.1          QVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAG   357
NTDB id 169 SP RS00155 WP 074017595.1           QVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAG   357
NTDB id 509 SM12261 RS00130 WP 078228442.1      QVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAG   357
consensus                                       **!!**!*****!**!****!!!!!!**!*!!!**!!******!**!!*!*!!*****!!!!!!*!******!*!***!!
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NTDB id 1106295 ACN23B RS19215 WP 010997964.1   GLNVEEPAVDLGIAIAIVASFRDRIVDPGTVLIGEVGLGGQVRSVSQMELRLKEAAKLGFKKAIVPKGQKFP...DFDIE   476
NTDB id 125 BSU 00870 NP 387968.1               GVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIE   441
NTDB id 537 SMSK321 RS07120 WP 080550752.1      GVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQ   437
NTDB id 279 KZH43 RS00140 WP 074017595.1        GVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ   437
NTDB id 238 SPD RS00140 WP 074017595.1          GVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ   437
NTDB id 204 SPR RS00140 WP 074017595.1          GVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ   437
NTDB id 169 SP RS00155 WP 074017595.1           GVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ   437
NTDB id 509 SM12261 RS00130 WP 078228442.1      GVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQ   437
consensus                                       !****!!!*!!*****!**!**!****!*****!!*!!*!**!*!***!*!**!!!!!!!*****!********  ***!*
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NTDB id 1106295 ACN23B RS19215 WP 010997964.1   IIPVAKVIDAIIAAIPHQELTEEDFNPDEDE   507
NTDB id 125 BSU 00870 NP 387968.1               VIGVANVAEALRTSLGG..............   458
NTDB id 537 SMSK321 RS07120 WP 080550752.1      VIGVTTIQEVLKKVFA...............   453
NTDB id 279 KZH43 RS00140 WP 074017595.1        VIGVTTIQEVLKKVFA...............   453
NTDB id 238 SPD RS00140 WP 074017595.1          VIGVTTIQEVLKKVFA...............   453
NTDB id 204 SPR RS00140 WP 074017595.1          VIGVTTIQEVLKKVFA...............   453
NTDB id 169 SP RS00155 WP 074017595.1           VIGVTTIQEVLKKVFA...............   453
NTDB id 509 SM12261 RS00130 WP 078228442.1      VIGVTTIQEVLKKVFA...............   453
consensus                                       *!*!************
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X non conserved

X similar

X $\geq$ 50% conserved