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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 159898 FORC25 RS13930 WP 003464589.1  MKKYGVGKVAKVRSIYVCQNCGYETPKWMGKCPECNNWNTLVEEIRDTKSNQSSPKVERQ...IGELKKIKEIKSGEKER   77
NTDB id 125 BSU 00870 NP 387968.1             .......MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSIETSEEPR   72
NTDB id 279 KZH43 RS00140 WP 074017595.1      .......MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 238 SPD RS00140 WP 074017595.1        .......MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 204 SPR RS00140 WP 074017595.1        .......MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 169 SP RS00155 WP 074017595.1         .......MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 537 SMSK321 RS07120 WP 080550752.1    .......MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 509 SM12261 RS00130 WP 078228442.1    .......MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNR   69
consensus                                        *!!******!!*!!!**!!**!*!!*!**!***!!!*****************    ****************!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 159898 FORC25 RS13930 WP 003464589.1  YDTGIGELNRVLGGGLVKGSLTLISGDPGIGKSTLLLQTANNISKKYGKVLYVSGEESEEQIKIRGDRLKVDAEELYIVS  157
NTDB id 125 BSU 00870 NP 387968.1             VKTQLGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLS  152
NTDB id 279 KZH43 RS00140 WP 074017595.1      TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA  148
NTDB id 238 SPD RS00140 WP 074017595.1        TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA  148
NTDB id 204 SPR RS00140 WP 074017595.1        TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA  148
NTDB id 169 SP RS00155 WP 074017595.1         TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA  148
NTDB id 537 SMSK321 RS07120 WP 080550752.1    TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA  148
NTDB id 509 SM12261 RS00130 WP 078228442.1    TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA  148
consensus                                     **!***!*!!!!!!!*!*!!!*!!*!!!!!!!!!!!!!!*****!**  **!!!*!!!!!**!*!*!**!!***********

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 159898 FORC25 RS13930 WP 003464589.1  ETNLDVIEAYIDKLEPAFIIIDSIQTIYRETVSSAPGSVSQVKECSNAVMRIAKGKNIPLFIVAHVTKQGDLAGPRVLEH  237
NTDB id 125 BSU 00870 NP 387968.1             ETDMEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEH  232
NTDB id 279 KZH43 RS00140 WP 074017595.1      ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH  228
NTDB id 238 SPD RS00140 WP 074017595.1        ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH  228
NTDB id 204 SPR RS00140 WP 074017595.1        ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH  228
NTDB id 169 SP RS00155 WP 074017595.1         ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH  228
NTDB id 537 SMSK321 RS07120 WP 080550752.1    ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH  228
NTDB id 509 SM12261 RS00130 WP 078228442.1    ETNMQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH  228
consensus                                     !!**************!*!***!!!!!**********!!!!!!*!*****!**!!***!**!!!*!!!!*!**!!!!*!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 159898 FORC25 RS13930 WP 003464589.1  MVDTVLSFEGERTEEFRILRTMKNRFGTTAEIGVFEMRGEGLMQVYDPSSMFLEDTSFNQEGSVVIGVMEGTRPILVEIQ  317
NTDB id 125 BSU 00870 NP 387968.1             MVDTVLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQ  312
NTDB id 279 KZH43 RS00140 WP 074017595.1      MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ  308
NTDB id 238 SPD RS00140 WP 074017595.1        MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ  308
NTDB id 204 SPR RS00140 WP 074017595.1        MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ  308
NTDB id 169 SP RS00155 WP 074017595.1         MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ  308
NTDB id 537 SMSK321 RS07120 WP 080550752.1    MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ  308
NTDB id 509 SM12261 RS00130 WP 078228442.1    MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ  308
consensus                                     !!!!!!*!!!!!***!!!!!**!!!!!*!*!*!*!!!***!!**!**!!**!!!*******!!*****!!!!!!!!*!*!
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NTDB id 159898 FORC25 RS13930 WP 003464589.1   SLASETKAVMPRRTSVGVENSRLSLILAVLEKKLRVPFYNTDVYVNVVGGLEIEGTTADLGIAISLVSSVKGKAASLEKL   397
NTDB id 125 BSU 00870 NP 387968.1              ALISPTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNP.AD   391
NTDB id 279 KZH43 RS00140 WP 074017595.1       ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNP.QE   387
NTDB id 238 SPD RS00140 WP 074017595.1         ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNP.QE   387
NTDB id 204 SPR RS00140 WP 074017595.1         ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNP.QE   387
NTDB id 169 SP RS00155 WP 074017595.1          ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNP.QE   387
NTDB id 537 SMSK321 RS07120 WP 080550752.1     ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNP.QE   387
NTDB id 509 SM12261 RS00130 WP 078228442.1     ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNP.QE   387
consensus                                      *!***!******!***!****!*!!**!!!!!*******!*!*!****!!********!!*******!!********  **
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NTDB id 159898 FORC25 RS13930 WP 003464589.1   VVVGEVGLTGEIRPISNCDRILNEAEKMGFLNAVVPYRSLEKLKG.SKLNLIGVKTVREAIGKIF..   461
NTDB id 125 BSU 00870 NP 387968.1              CFIGEVGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 279 KZH43 RS00140 WP 074017595.1       CFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1         CFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1         CFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1          CFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1     CFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1     CFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
consensus                                      ***!!*!!!!!!*!*********!!*!*!!*****!***!****  ******!!!****!*******
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X non conserved

X similar

X $\geq$ 50% conserved