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logo
NTDB id 395941 GFH32 RS01285 WP 153509358.1   MAKTKSAYFCQSCGYESPKWLGQCPSCKQWNSFVEEVVEKASSRVPEWRSTSSSKSETKRANKAAIIHEIVYSEEQRIET   80
NTDB id 125 BSU 00870 NP 387968.1             MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAA.....FSHSVQTVQKPSPITSIETSEEPRVKT   75
NTDB id 509 SM12261 RS00130 WP 078228442.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS.....LTGE...KTKPMKLAEVTSINVNRTKT   72
NTDB id 279 KZH43 RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS.....LTGE...KTKPMKLAEVTSINVNRTKT   72
NTDB id 238 SPD RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS.....LTGE...KTKPMKLAEVTSINVNRTKT   72
NTDB id 204 SPR RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS.....LTGE...KTKPMKLAEVTSINVNRTKT   72
NTDB id 169 SP RS00155 WP 074017595.1         MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS.....LTGE...KTKPMKLAEVTSINVNRTKT   72
NTDB id 537 SMSK321 RS07120 WP 080550752.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS.....LTGE...KTKPMKLAEVTSINVNRTKT   72
consensus                                     !!!*!****!!*!!!*!!!**!*!!*!**!***!!!***********     ****    **!**************!**!

logo
NTDB id 395941 GFH32 RS01285 WP 153509358.1   PDKEFNRVLGGGIVPGSLVLIGGEPGIGKSTLMLQLALTVSH..VKTLYISGEESEQQIKMRAERLVQTSNANCYILTET   158
NTDB id 125 BSU 00870 NP 387968.1             QLGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGI.NNPSLHVLSET   154
NTDB id 509 SM12261 RS00130 WP 078228442.1    EMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGD.IDSEFYLYAET   150
NTDB id 279 KZH43 RS00140 WP 074017595.1      EMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGD.IDSEFYLYAET   150
NTDB id 238 SPD RS00140 WP 074017595.1        EMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGD.IDSEFYLYAET   150
NTDB id 204 SPR RS00140 WP 074017595.1        EMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGD.IDSEFYLYAET   150
NTDB id 169 SP RS00155 WP 074017595.1         EMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGD.IDSEFYLYAET   150
NTDB id 537 SMSK321 RS07120 WP 080550752.1    EMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGD.IDSEFYLYAET   150
consensus                                     ***!!!!!!!!!!*!*!!!!!!!!!*!!!!!!!!*!!*****!** ***!!*!!!!!**!*!*!!*!!** *********!!

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NTDB id 395941 GFH32 RS01285 WP 153509358.1   SMQNIFKQIDQVQPNLLVIDSIQTLHSAQIESAPGSVSQVRECTAELLRFAKETNTPVFIVGHITKDGSIAGPKVLEHMV   238
NTDB id 125 BSU 00870 NP 387968.1             DMEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMV   234
NTDB id 509 SM12261 RS00130 WP 078228442.1    NMQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMV   230
NTDB id 279 KZH43 RS00140 WP 074017595.1      NMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMV   230
NTDB id 238 SPD RS00140 WP 074017595.1        NMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMV   230
NTDB id 204 SPR RS00140 WP 074017595.1        NMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMV   230
NTDB id 169 SP RS00155 WP 074017595.1         NMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMV   230
NTDB id 537 SMSK321 RS07120 WP 080550752.1    NMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMV   230
consensus                                     *!***********!*****!!!!!*****!****!!!!!!!!!*!!!!***!!******!!!!!*!!*!**!!!**!!!!!

logo
NTDB id 395941 GFH32 RS01285 WP 153509358.1   DTVLQFEGDRNHVYRILRAVKNRFGSSSELGIYEMQGSGLREVSNPSEIMLSQREEQVSGTAVAAMLEGMRPLMIEVQAL   318
NTDB id 125 BSU 00870 NP 387968.1             DTVLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQAL   314
NTDB id 509 SM12261 RS00130 WP 078228442.1    DTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQAL   310
NTDB id 279 KZH43 RS00140 WP 074017595.1      DTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQAL   310
NTDB id 238 SPD RS00140 WP 074017595.1        DTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQAL   310
NTDB id 204 SPR RS00140 WP 074017595.1        DTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQAL   310
NTDB id 169 SP RS00155 WP 074017595.1         DTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQAL   310
NTDB id 537 SMSK321 RS07120 WP 080550752.1    DTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQAL   310
consensus                                     !!!!*!!!*!*!**!!!!!!!!!!!!**!*!!*!!***!!*!!*!!!***!**!*****!*******!!*!!***!*!!!
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NTDB id 395941 GFH32 RS01285 WP 153509358.1   VSNSAYGTPQRSSTGFDTKRLNMLLAVLEKRFGFRLSAQDVFLNIAGGIRVEDPAIDLAVIAAIISSQQDIPLGSNITFA   398
NTDB id 125 BSU 00870 NP 387968.1             ISPTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFI   394
NTDB id 509 SM12261 RS00130 WP 078228442.1    VTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFV   390
NTDB id 279 KZH43 RS00140 WP 074017595.1      VTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFV   390
NTDB id 238 SPD RS00140 WP 074017595.1        VTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFV   390
NTDB id 204 SPR RS00140 WP 074017595.1        VTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFV   390
NTDB id 169 SP RS00155 WP 074017595.1         VTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFV   390
NTDB id 537 SMSK321 RS07120 WP 080550752.1    VTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFV   390
consensus                                     ******!***!**!!*!**!*****!!!!!!*!**!**!!**!**!!!*****!!!!!!****!*!!**!*!******!*
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NTDB id 395941 GFH32 RS01285 WP 153509358.1   GEVGLSGEIRAINRIEQRIQEAEKLGFGQIFISKYNTKGLDAKKYDIAIRPVATLEDVFTALFG.   462
NTDB id 125 BSU 00870 NP 387968.1             GEVGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPK.GIEVIGVANVAEALRTSLGG   458
NTDB id 509 SM12261 RS00130 WP 078228442.1    GELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPK.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1      GELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPK.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1        GELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPK.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1        GELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPK.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1         GELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPK.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1    GELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPM.EIQVIGVTTIQEVLKKVFA.   453
consensus                                     !!*!!*!!*!***!!!!!**!!*!!!!**********!**  **  *!****!**********
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X non conserved

X similar

X $\geq$ 50% conserved