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logo
NTDB id 392059 GBA63 RS14520 WP 166177174.1  .MATKTLYVCSNCGHQAPKWLGRCPDCGEWSTFVEEAREAKKVVGFAERATRKKTGAAGRTLRLDQVEAAADGGRIGTSV   79
NTDB id 125 BSU 00870 NP 387968.1            MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAF..SHSVQTVQKPSPITSIE.TSEEPRVKTQL   77
NTDB id 279 KZH43 RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL..TGE...KTKPMKLAEVT.SINVNRTKTEM   74
NTDB id 238 SPD RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL..TGE...KTKPMKLAEVT.SINVNRTKTEM   74
NTDB id 204 SPR RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL..TGE...KTKPMKLAEVT.SINVNRTKTEM   74
NTDB id 169 SP RS00155 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL..TGE...KTKPMKLAEVT.SINVNRTKTEM   74
NTDB id 537 SMSK321 RS07120 WP 080550752.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL..TGE...KTKPMKLAEVT.SINVNRTKTEM   74
NTDB id 509 SM12261 RS00130 WP 078228442.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL..TGE...KTKPMKLAEVT.SINVNRTKTEM   74
consensus                                    ****!****!**!!***!!**!*!!*!!*!***!!!*************  ***   ***********  *****!**!**

logo
NTDB id 392059 GBA63 RS14520 WP 166177174.1  AELDRVLGGGIVPGSMVLVGGEPGVGKSTLLLQVMGHLG...EGCLMVSGEESPRQVALSAKRLGVQGAGFSVLSETDVD  156
NTDB id 125 BSU 00870 NP 387968.1            GEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDME  157
NTDB id 279 KZH43 RS00140 WP 074017595.1     EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 238 SPD RS00140 WP 074017595.1       EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 204 SPR RS00140 WP 074017595.1       EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 169 SP RS00155 WP 074017595.1        EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 537 SMSK321 RS07120 WP 080550752.1   EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 509 SM12261 RS00130 WP 078228442.1   EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
consensus                                    *!**!!!!!!*!*!!*!!*!!*!!*!!!!!!!!!!***!*** ***!**!!!!!**!**!*!*!!!***********!!***

logo
NTDB id 392059 GBA63 RS14520 WP 166177174.1  VIEATILEERPTVVVVDSIQTLYSPELSGAPGGVGQVRECAARLMRLAKSEGIAVVLVGHVTKDGSIAGPRVLEHMVDTV  236
NTDB id 125 BSU 00870 NP 387968.1            YISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTV  237
NTDB id 279 KZH43 RS00140 WP 074017595.1     SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 238 SPD RS00140 WP 074017595.1       SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 204 SPR RS00140 WP 074017595.1       SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 169 SP RS00155 WP 074017595.1        SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 537 SMSK321 RS07120 WP 080550752.1   SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 509 SM12261 RS00130 WP 078228442.1   SVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
consensus                                    **********!*****!!!!!**********!*!*!!!!**!*!!**!!***!****!!!!!!*!**!!!!*!!!!!!!!

logo
NTDB id 392059 GBA63 RS14520 WP 166177174.1  LQFEGDRFQSFRVLRALKNRFGSTNEIGVFEMTGRGMVEVEDPSAFFLSKREEKMPSGVATVCLLEGTRPMLVEIESLVA  316
NTDB id 125 BSU 00870 NP 387968.1            LYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGS.AGSSITASMEGTRPILVEIQALIS  316
NTDB id 279 KZH43 RS00140 WP 074017595.1     LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGA.TGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 238 SPD RS00140 WP 074017595.1       LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGA.TGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 204 SPR RS00140 WP 074017595.1       LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGA.TGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 169 SP RS00155 WP 074017595.1        LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGA.TGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 537 SMSK321 RS07120 WP 080550752.1   LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGA.TGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 509 SM12261 RS00130 WP 078228442.1   LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGA.TGSSIVVTMEGTRPILAEVQALVT  312
consensus                                    !*!!!*!***!!*!!!*!!!!!!!!!*!*!!!***!**!!**!!**!!**!**** *!*******!!!!!*!*!***!**
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logo
NTDB id 392059 GBA63 RS14520 WP 166177174.1   PSPLANPRRIANGVDTGRVNMLCAVLARRAGLSLADQDVYVNVTGGVRVEEPAADLGVALAIASALRDKPVGKGTACFGE   396
NTDB id 125 BSU 00870 NP 387968.1             PTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGE   396
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
NTDB id 509 SM12261 RS00130 WP 078228442.1    PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
consensus                                     !****!**!***!*!**!*****!!!**!*!!*!**!!*!****!!!***!!!*!!*****!!!***!*!********!!

logo
NTDB id 392059 GBA63 RS14520 WP 166177174.1   VGLTGDVRFVSGAPRRTGEVLKMGYGRIIRPEGTSDEGFDARTRKDASVIEVSTLEEAVAVALL.   460
NTDB id 125 BSU 00870 NP 387968.1             VGLTGEVRRVSRIEQRVKEAAKLGFKRMITPAANLDGWT...KPKGIEVIGVANVAEALRTSLGG   458
NTDB id 279 KZH43 RS00140 WP 074017595.1      LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGIT...LPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1        LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGIT...LPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1        LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGIT...LPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1         LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGIT...LPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1    LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGIT...PPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1    LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGIT...PPKEIQVIGVTTIQEVLKKVFA.   453
consensus                                     *!!!!**!*!*****!**!**!*!******!*******     *****!!*!****!******
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X non conserved

X similar

X $\geq$ 50% conserved