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logo
NTDB id 171995 AY601 RS19740 WP 068404300.1  MAKTKSAYFCQSCGYESAKWLGKCPSCNSWNTFVEEVIEKPGASVPAWQTSGSTKRSNKPNKITNIAFSEENKLSTNDLE   80
NTDB id 125 BSU 00870 NP 387968.1            MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRR.AAFSHSVQTVQKPSPITSIETSEEPRVKTQLGE   79
NTDB id 509 SM12261 RS00130 WP 078228442.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 537 SMSK321 RS07120 WP 080550752.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 279 KZH43 RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 238 SPD RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 204 SPR RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 169 SP RS00155 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSLTGE...KTKPMKLAEVTSINVNRTKTEMEE   76
consensus                                    !!!*!****!!*!!!*!*!**!*!!*!**!***!!!********* ******   **!!**************!***!

logo
NTDB id 171995 AY601 RS19740 WP 068404300.1  LDRVLGGGLVAGSVVLIGGEPGIGKSTLMLQLALNITG..KKVLYVSGEESEQQIKMRAERITSNPTADCYILTETSTQN  158
NTDB id 125 BSU 00870 NP 387968.1            FNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINN.PSLHVLSETDMEY  158
NTDB id 509 SM12261 RS00130 WP 078228442.1   FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.SEFYLYAETNMQS  154
NTDB id 537 SMSK321 RS07120 WP 080550752.1   FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.SEFYLYAETNMQS  154
NTDB id 279 KZH43 RS00140 WP 074017595.1     FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.SEFYLYAETNMQS  154
NTDB id 238 SPD RS00140 WP 074017595.1       FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.SEFYLYAETNMQS  154
NTDB id 204 SPR RS00140 WP 074017595.1       FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.SEFYLYAETNMQS  154
NTDB id 169 SP RS00155 WP 074017595.1        FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.SEFYLYAETNMQS  154
consensus                                    **!!!!!!*!*!!*!!!!!*!!!!!!!!!*!!******** **!!!*!!!!!**!*!*!!*!***** *******!!****

logo
NTDB id 171995 AY601 RS19740 WP 068404300.1  IFKQIEVLEPDIIVVDSIQTLHSAHIDSTPGSVSQVRECTAELLRFAKETDTPVFLIGHITKDGAIAGPKILEHMVDTVL  238
NTDB id 125 BSU 00870 NP 387968.1            ISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVL  238
NTDB id 509 SM12261 RS00130 WP 078228442.1   VRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 537 SMSK321 RS07120 WP 080550752.1   VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 279 KZH43 RS00140 WP 074017595.1     VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 238 SPD RS00140 WP 074017595.1       VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 204 SPR RS00140 WP 074017595.1       VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 169 SP RS00155 WP 074017595.1        VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
consensus                                    *********!*****!!!!!*****!****!!!!!!!!*!!!!***!!******!**!!*!!*!**!!!**!!!!!!!!!

logo
NTDB id 171995 AY601 RS19740 WP 068404300.1  QFEGDRHHVYRILRSIKNRFGAAAELGIYAMHSGGLRQVSNPSEILLSQRDEELSGIAIAATLEGARPMLIETQALVSTA  318
NTDB id 125 BSU 00870 NP 387968.1            YFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPT  318
NTDB id 509 SM12261 RS00130 WP 078228442.1   YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 537 SMSK321 RS07120 WP 080550752.1   YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 279 KZH43 RS00140 WP 074017595.1     YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 238 SPD RS00140 WP 074017595.1       YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 204 SPR RS00140 WP 074017595.1       YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 169 SP RS00155 WP 074017595.1        YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
consensus                                    *!!!*!!!**!!!!**!!!!!***!*!!**!***!!**!*!!!***!**!*****!**!****!!*!!*!*!*!!!****
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logo
NTDB id 171995 AY601 RS19740 WP 068404300.1  AYGTPQRSATGFDTRRMNMLLAVLEKRCGFRLSTRDVFLNIAGGIKVEDPAIDLAILAAIISSHEDIFISSKICFAAEVG   398
NTDB id 125 BSU 00870 NP 387968.1            SFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVG   398
NTDB id 509 SM12261 RS00130 WP 078228442.1   MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 537 SMSK321 RS07120 WP 080550752.1   MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 279 KZH43 RS00140 WP 074017595.1     MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 238 SPD RS00140 WP 074017595.1       MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 204 SPR RS00140 WP 074017595.1       MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 169 SP RS00155 WP 074017595.1        MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
consensus                                    **!***!**!!*!**!****!!!!!!*!**!***!**!**!!!*!***!!!!!!****!*!!**!*******!!**!*!

logo
NTDB id 171995 AY601 RS19740 WP 068404300.1  LSGEIRAVNRIEQRIAEADKLGFERIFVSNYNLKGLITDKYKLEITGVNKIEDVFSLLFG.   458
NTDB id 125 BSU 00870 NP 387968.1            LTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPK.GIEVIGVANVAEALRTSLGG   458
NTDB id 509 SM12261 RS00130 WP 078228442.1   LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPK.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1   LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPM.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1     LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPK.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1       LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPK.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1       LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPK.EIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1        LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPK.EIQVIGVTTIQEVLKKVFA.   453
consensus                                    !*!!*!*!*!!!!!**!!*!!!!*********!*!**  **  *****!!************
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X non conserved

X similar

X $\geq$ 50% conserved