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logo

NTDB id 615 LCA RS02545 WP 011374200.1          .MGQQVIACGRQFTAAQLADTQNNNY....SLPQIKRRPAFLRVKHRLVCQRCQQ.VVPPQTCLPDGRHYCAQCLLFGRL   74
NTDB id 593 KW2 RS05130 WP 021037147.1          MNLILENLLGHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNVKLPIGAFFCPTCLELGRV   80
NTDB id 317805 MGAS28085 RS02660 WP 011285044.1 .MESIENSYGRLLLESQLPDSA.........KQLAQPLKSVVISRGKMICQRCHY.QLDEEARLPNGAYYCRFCLVFGRN   69
NTDB id 277 KZH43 RS10090 WP 000867601.1        .MKVNLDYLGRLFTENELTEEE.........RQLAEKLPAMRKEKGKLFCQRCNS.TILEEWYLPIGAYYCRECLLMKRV   69
NTDB id 236 SPD RS10765 WP 000867601.1          .MKVNLDYLGRLFTENELTEEE.........RQLAEKLPAMRKEKGKLFCQRCNS.TILEEWYLPIGAYYCRECLLMKRV   69
NTDB id 202 SPR RS10250 WP 000867601.1          .MKVNLDYLGRLFTENELTEEE.........RQLAEKLPAMRKEKGKLFCQRCNS.TILEEWYLPIGAYYCRECLLMKRV   69
NTDB id 167 SP RS11275 WP 000867616.1           .MKVNLDYLGRLFTENELTEEE.........RQLAEKLPAMRKEKGKLFCQRCNS.TILEEWYLPIGAYYCRECLLMKRV   69
NTDB id 507 SM12261 RS09240 WP 000867722.1      .MKVNPNYLGRLFTENELTEEE.........RQLAEKLPAMRKEKGKLFCQRCNS.TILEEWYLPIGTYYCRECLLMKRV   69
NTDB id 535 SMSK321 RS10515 WP 000867726.1      .MKVNPNYLGRLFTENELTKEE.........RQLAEKLPAMRKEKGKLFCQRCDS.AILDEWYLPIGAYYCRECLLMKRV   69
consensus                                        ***** **!************          *****************!*!!** *******!!*!***!**!!***!*

logo

NTDB id 615 LCA RS02545 WP 011374200.1          VEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGILVALQKGQRVCLA  154
NTDB id 593 KW2 RS05130 WP 021037147.1          RSDEYFYHLPQQDFPEKT..YLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGSVGLA  158
NTDB id 317805 MGAS28085 RS02660 WP 011285044.1 QSDKLLYAIPPMHFPKGN..YLVWSGQLTAYQEMISQQLLINMQNQKTTLVHAVTGAGKTEMIYAAIEAVINTGGWVCIA  147
NTDB id 277 KZH43 RS10090 WP 000867601.1        RSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 236 SPD RS10765 WP 000867601.1          RSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 202 SPR RS10250 WP 000867601.1          RSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 167 SP RS11275 WP 000867616.1           RSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 507 SM12261 RS09240 WP 000867722.1      RSDQSLYYFPQEDFPKQD..VLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 535 SMSK321 RS10515 WP 000867726.1      RSDQVLYYFPQEDFAKQD..ILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
consensus                                       ******!**!********  *!*!*!*!!**!*******************!!!!!!!!!!***********!**!**!

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NTDB id 615 LCA RS02545 WP 011374200.1          APRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQA  234
NTDB id 593 KW2 RS05130 WP 021037147.1          SPRIDVCIELHQRLSRDFTC.QIPLLYHE.GDSYFRSPLVVMTSHQLLRFKEAFDLLIIDEVDAFPFRDNDMLYFALENA  236
NTDB id 317805 MGAS28085 RS02660 WP 011285044.1 SPRVDVCVEVATRLSQAFSC.SICLMHAE.SLPYQRAPIIVATTHQLLKFHKAFDLLIIDEVDAFPFVNNIQLHYAASQA  225
NTDB id 277 KZH43 RS10090 WP 000867601.1        SPRIDVCLELYKRLQQDFSC.GIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 236 SPD RS10765 WP 000867601.1          SPRIDVCLELYKRLQQDFSC.GIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 202 SPR RS10250 WP 000867601.1          SPRIDVCLELYKRLQQDFSC.GIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 167 SP RS11275 WP 000867616.1           SPRIDVCLELYKRLQQDFSC.GIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 507 SM12261 RS09240 WP 000867722.1      SPRIDVCLELYKRLQKDFAC.EIALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 535 SMSK321 RS10515 WP 000867726.1      SPRIDVCLELYKRLQDDFAC.EISLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
consensus                                       *!!**!!*!***!!***!**  !*!***! ***!*******!*!!!!*!**!!!**!*!!!!!!!***!**!**!****

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NTDB id 615 LCA RS02545 WP 011374200.1          CKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYLK.TQQIL  313
NTDB id 593 KW2 RS05130 WP 021037147.1          KKINGTLLYLTATSTDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYKK.............FIEQRKTGFPLL  303
NTDB id 317805 MGAS28085 RS02660 WP 011285044.1 LKEGGAKILLTATSTRTLERKVNKGEVVKLTLARRFNNRPLVIPKFFIRSFNLFKMIHRQKLPPKILKYLKKQRKTGYPLL  305
NTDB id 277 KZH43 RS10090 WP 000867601.1        VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL  305
NTDB id 236 SPD RS10765 WP 000867601.1          VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL  305
NTDB id 202 SPR RS10250 WP 000867601.1          VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL  305
NTDB id 167 SP RS11275 WP 000867616.1           VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL  305
NTDB id 507 SM12261 RS09240 WP 000867722.1      VKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGYPLL  305
NTDB id 535 SMSK321 RS10515 WP 000867726.1      VKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLL  305
consensus                                       *!*******!!!!*! ************** !**!!****!**!*****************************!*****!
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NTDB id 615 LCA RS02545 WP 011374200.1          LFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEA   393
NTDB id 593 KW2 RS05130 WP 021037147.1          IFVAEIDFGQDFAKNLQEKFPKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSIDVFVINSEHPNFTKS   383
NTDB id 317805 MGAS28085 RS02660 WP 011285044.1 IFLPTIIMAESVTAILKELLPAEQIACVSSQSQNRKEDITAFRQGKKTILITTTILERGVTFPQIDVFVLGSHHRVYSSQ   385
NTDB id 277 KZH43 RS10090 WP 000867601.1        IFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 236 SPD RS10765 WP 000867601.1          IFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 202 SPR RS10250 WP 000867601.1          IFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 167 SP RS11275 WP 000867616.1           IFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 507 SM12261 RS09240 WP 000867722.1      IFASEIKKGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 535 SMSK321 RS10515 WP 000867726.1      IFASEIKKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
consensus                                       *!*****************!*****************!!!*********!*!!!!!!!!****!*!****!******
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logo
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NTDB id 615 LCA RS02545 WP 011374200.1          VLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV....   445
NTDB id 593 KW2 RS05130 WP 021037147.1          ALIQMAGRVGRDSKRPTGLVSFFHSGKSLAMCQAQKEIKKMNRLGGF.........   430
NTDB id 317805 MGAS28085 RS02660 WP 011285044.1 SLVQIAGRVGRSIDRPDGTLYFFHEGISKAMLLARKEIKEMNYKGYSHDLSTMSTN   441
NTDB id 277 KZH43 RS10090 WP 000867601.1        SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.........   432
NTDB id 236 SPD RS10765 WP 000867601.1          SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.........   432
NTDB id 202 SPR RS10250 WP 000867601.1          SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.........   432
NTDB id 167 SP RS11275 WP 000867616.1           SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.........   432
NTDB id 507 SM12261 RS09240 WP 000867722.1      SLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.........   432
NTDB id 535 SMSK321 RS10515 WP 000867726.1      SLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.........   432
consensus                                       *!*!**!!*!!**********!****** ****!***!* *!*****
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X non conserved

X similar

X $\geq$ 50% conserved