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logo

NTDB id 615 LCA RS02545 WP 011374200.1          MGQQ.VIACGRQFTAAQLADTQN....NNYSLPQIKRRPAFLRVKHRLVCQRCQQVV.PPQTCLPDGRHYCAQCLLFGRL   74
NTDB id 593 KW2 RS05130 WP 021037147.1          MNLILENLLGHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNVKLPIGAFFCPTCLELGRV   80
NTDB id 277 KZH43 RS10090 WP 000867601.1        MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
NTDB id 236 SPD RS10765 WP 000867601.1          MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
NTDB id 202 SPR RS10250 WP 000867601.1          MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
NTDB id 167 SP RS11275 WP 000867616.1           MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
NTDB id 535 SMSK321 RS10515 WP 000867726.1      MKVN.PNYLGRLFTENELT.........KEERQLAEKLPAMRKEKGKLFCQRCDSAI.LDEWYLPIGAYYCRECLLMKRV   69
NTDB id 1111425 ACN076 RS01445 WP 420790005.1   MKVN.PNYLGRLFTENELT.........EEERQLAEKFPAMRKEKGKLFCQRCNSII.PEEWYLPIGAYYCRECLLMKRV   69
NTDB id 507 SM12261 RS09240 WP 000867722.1      MKVN.PNYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGTYYCRECLLMKRV   69
consensus                                       !*** * **!*********         ********************!*!!**** *****!!*!***!**!!***!*

logo

NTDB id 615 LCA RS02545 WP 011374200.1          VEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLRQGILVALQKGQRVCLA  154
NTDB id 593 KW2 RS05130 WP 021037147.1          RSDEYFYHLPQQDFPEK..TYLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGSVGLA  158
NTDB id 277 KZH43 RS10090 WP 000867601.1        RSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 236 SPD RS10765 WP 000867601.1          RSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 202 SPR RS10250 WP 000867601.1          RSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 167 SP RS11275 WP 000867616.1           RSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 535 SMSK321 RS10515 WP 000867726.1      RSDQVLYYFPQEDFAKQ..DILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
NTDB id 1111425 ACN076 RS01445 WP 420790005.1   RSDQALYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLIQAADKQEPTLVHAVTGAGKTEMIYQVVAKVINRGGAVCLA  147
NTDB id 507 SM12261 RS09240 WP 000867722.1      RSDQSLYYFPQEDFPKQ..DVLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA  147
consensus                                       ******!**!*******   **!*!*!*!!**!*!*****************!!!!!!!!!!**!********!**!*!!

logo

NTDB id 615 LCA RS02545 WP 011374200.1          APRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQA  234
NTDB id 593 KW2 RS05130 WP 021037147.1          SPRIDVCIELHQRLSRDFTCQI.PLLYHE.GDSYFRSPLVVMTSHQLLRFKEAFDLLIIDEVDAFPFRDNDMLYFALENA  236
NTDB id 277 KZH43 RS10090 WP 000867601.1        SPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 236 SPD RS10765 WP 000867601.1          SPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 202 SPR RS10250 WP 000867601.1          SPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 167 SP RS11275 WP 000867616.1           SPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 535 SMSK321 RS10515 WP 000867726.1      SPRIDVCLELYKRLQDDFACEI.SLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
NTDB id 1111425 ACN076 RS01445 WP 420790005.1   SPRIDVCLELYKRLQDDFACEI.SLLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYIDNPTLYHAVKNS  225
NTDB id 507 SM12261 RS09240 WP 000867722.1      SPRIDVCLELYKRLQKDFACEI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS  225
consensus                                       *!!**!!*!!**!!* *!** * *!***! ***!****!!**!*!!!!*!**!!!**!*!!!!!!!**!!**!**!****

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NTDB id 615 LCA RS02545 WP 011374200.1          CKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYL.KTQQIL  313
NTDB id 593 KW2 RS05130 WP 021037147.1          KKINGTLLYLTATSTDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYKK.............FIEQRKTGFPLL  303
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 535 SMSK321 RS10515 WP 000867726.1      VKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLL  305
NTDB id 1111425 ACN076 RS01445 WP 420790005.1   VKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKFYIEKQRKTGYPLL  305
NTDB id 507 SM12261 RS09240 WP 000867722.1      VKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGYPLL  305
consensus                                       *!*******!!!!*! ************** !!*!!!!**!**!************** ********************!
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logo
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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 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 535 SMSK321 RS10515 WP 000867726.1    IFASEIKKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 1111425 ACN076 RS01445 WP 420790005.1 IFASEIKKGEQLKEVLQKEFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 507 SM12261 RS09240 WP 000867722.1   IFASEIKKGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   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 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 535 SMSK321 RS10515 WP 000867726.1    SLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 1111425 ACN076 RS01445 WP 420790005.1 SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIREIQQMNKEAGL.....   432
NTDB id 507 SM12261 RS09240 WP 000867722.1   SLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
consensus                                     *!*!**!!*!!**********!***********!***!* *!*****
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X non conserved

X similar

X $\geq$ 50% conserved