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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 167 SP RS11275 WP 000867616.1       MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
NTDB id 105853 AAA982 RS10450 WP 000867605.1 MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRV   69
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 507 SM12261 RS09240 WP 000867722.1  MKVN.PNYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGTYYCRECLLMKRV   69
NTDB id 535 SMSK321 RS10515 WP 000867726.1  MKVN.PNYLGRLFTENELT.........KEERQLAEKLPAMRKEKGKLFCQRCDSAI.LDEWYLPIGAYYCRECLLMKRV   69
consensus                                   !*** ****!*********         **********************!*!!**** *****!!*!***!**!!***!*

logo

NTDB id 615 LCA RS02545 WP 011374200.1      VEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGILVALQKGQRVCLA   154
NTDB id 593 KW2 RS05130 WP 021037147.1      RSDEYFYHLPQQDFPEK..TYLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGSVGLA   158
NTDB id 167 SP RS11275 WP 000867616.1       RSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   147
NTDB id 105853 AAA982 RS10450 WP 000867605.1 RSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   147
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 507 SM12261 RS09240 WP 000867722.1  RSDQSLYYFPQEDFPKQ..DVLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   147
NTDB id 535 SMSK321 RS10515 WP 000867726.1  RSDQVLYYFPQEDFAKQ..DILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGAVCLA   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 167 SP RS11275 WP 000867616.1       SPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
NTDB id 105853 AAA982 RS10450 WP 000867605.1 SPRIDVCLELYKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
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 507 SM12261 RS09240 WP 000867722.1  SPRIDVCLELYKRLQKDFACEI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
NTDB id 535 SMSK321 RS10515 WP 000867726.1  SPRIDVCLELYKRLQDDFACEI.SLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNS   225
consensus                                   *!!**!!*!!**!!***!**** *!***! ***!****!!**!*!!!!*!**!!!**!*!!!!!!!**!!**!**!****

logo

NTDB id 615 LCA RS02545 WP 011374200.1      CKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYL.KTQQIL   313
NTDB id 593 KW2 RS05130 WP 021037147.1      KKINGTLLYLTATSTDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYKK.............FIEQRKTGFPLL   303
NTDB id 167 SP RS11275 WP 000867616.1       VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL   305
NTDB id 105853 AAA982 RS10450 WP 000867605.1 VKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLL   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 507 SM12261 RS09240 WP 000867722.1  VKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGYPLL   305
NTDB id 535 SMSK321 RS10515 WP 000867726.1  VKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLL   305
consensus                                   *!*******!!!!*!****************!!*!!!!**!**!*********************************!
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logo

NTDB id 615 LCA RS02545 WP 011374200.1          LFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEA   393
NTDB id 593 KW2 RS05130 WP 021037147.1          IFVAEIDFGQDFAKNLQEKFPKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSIDVFVINSEHPNFTKS   383
NTDB id 167 SP RS11275 WP 000867616.1           IFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 105853 AAA982 RS10450 WP 000867605.1    IFASEIKKGEQLEEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   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 507 SM12261 RS09240 WP 000867722.1      IFASEIKKGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
NTDB id 535 SMSK321 RS10515 WP 000867726.1      IFASEIKKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKS   385
consensus                                       *!******************!*******************!!!*********!*!!!!!!!****!*!****!**!***

logo

NTDB id 615 LCA RS02545 WP 011374200.1          VLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 593 KW2 RS05130 WP 021037147.1          ALIQMAGRVGRDSKRPTGLVSFFHSGKSLAMCQAQKEIKKMNRLGGF.....   430
NTDB id 167 SP RS11275 WP 000867616.1           SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 105853 AAA982 RS10450 WP 000867605.1    SLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
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 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