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logo
NTDB id 615 LCA RS02545 WP 011374200.1      MGQQ.VIACGRQFTAAQLADTQN....NNYSLPQIKRRPAFLRVKHRLVCQRCQQVV.PPQTCLPDGRHYCAQCLLFGRLVEGDW   79
NTDB id 593 KW2 RS05130 WP 021037147.1      MNLILENLLGHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNVKLPIGAFFCPTCLELGRVRSDEY   85
NTDB id 277 KZH43 RS10090 WP 000867601.1    MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRVRSDQT   74
NTDB id 202 SPR RS10250 WP 000867601.1      MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRVRSDQT   74
NTDB id 236 SPD RS10765 WP 000867601.1      MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRVRSDQT   74
NTDB id 167 SP RS11275 WP 000867616.1       MKVN.LDYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGAYYCRECLLMKRVRSDQT   74
NTDB id 507 SM12261 RS09240 WP 000867722.1  MKVN.PNYLGRLFTENELT.........EEERQLAEKLPAMRKEKGKLFCQRCNSTI.LEEWYLPIGTYYCRECLLMKRVRSDQS   74
NTDB id 535 SMSK321 RS10515 WP 000867726.1  MKVN.PNYLGRLFTENELT.........KEERQLAEKLPAMRKEKGKLFCQRCDSAI.LDEWYLPIGAYYCRECLLMKRVRSDQV   74
consensus                                   !*** * **!*********         ********************!*!!**** *****!!*!***!**!!***!******

logo
NTDB id 615 LCA RS02545 WP 011374200.1      LYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGILVALQKGQRVCLAAPRVAVCLEL   164
NTDB id 593 KW2 RS05130 WP 021037147.1      FYHLPQQDFPEK..TYLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQLIEQILSHGGSVGLASPRIDVCIEL   168
NTDB id 277 KZH43 RS10090 WP 000867601.1    LYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL   157
NTDB id 202 SPR RS10250 WP 000867601.1      LYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL   157
NTDB id 236 SPD RS10765 WP 000867601.1      LYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL   157
NTDB id 167 SP RS11275 WP 000867616.1       LYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL   157
NTDB id 507 SM12261 RS09240 WP 000867722.1  LYYFPQEDFPKQ..DVLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL   157
NTDB id 535 SMSK321 RS10515 WP 000867726.1  LYYFPQEDFAKQ..DILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGAVCLASPRIDVCLEL   157
consensus                                   *!**!******  **!*!*!*!!**!*!*****************!!!!!!!!!!**!********!**!*!!*!!**!!*!!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      YPRLQAAFATTSIMLMHGEQIEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQACKPQCALLYLTATPT   249
NTDB id 593 KW2 RS05130 WP 021037147.1      HQRLSRDFTCQI.PLLYHE.GDSYFRSPLVVMISHQLLRFKEAFDLLIIDEVDAFPFRDNDMLYFALENAKKINGTLLYLTATST   251
NTDB id 277 KZH43 RS10090 WP 000867601.1    YKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATST   240
NTDB id 202 SPR RS10250 WP 000867601.1      YKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATST   240
NTDB id 236 SPD RS10765 WP 000867601.1      YKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATST   240
NTDB id 167 SP RS11275 WP 000867616.1       YKRLQQDFSCGI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATST   240
NTDB id 507 SM12261 RS09240 WP 000867722.1  YKRLQKDFACEI.ALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATST   240
NTDB id 535 SMSK321 RS10515 WP 000867726.1  YKRLQDDFACEI.SLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVKENGLRIFLTATST   240
consensus                                   **!!* *!** * *!***! ***!****!!**!*!!!!*!**!!!**!*!!!!!!!**!!**!**!*****!*******!!!!*!

logo
NTDB id 615 LCA RS02545 WP 011374200.1      PAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYL.KTQQILLFVPQVRLLQPVANRLSTLL   333
NTDB id 593 KW2 RS05130 WP 021037147.1      DKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYKK.............FIEQRKTGFPLLIFVAEIDFGQDFAKNLQEKF   323
NTDB id 277 KZH43 RS10090 WP 000867601.1    NELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQF   325
NTDB id 202 SPR RS10250 WP 000867601.1      NELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQF   325
NTDB id 236 SPD RS10765 WP 000867601.1      NELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQF   325
NTDB id 167 SP RS11275 WP 000867616.1       NELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQF   325
NTDB id 507 SM12261 RS09240 WP 000867722.1  DELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGYPLLIFASEIKKGEQLKEIIQEQF   325
NTDB id 535 SMSK321 RS10515 WP 000867726.1  DELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLLIFASEIKKGEQLKEILQKEF   325
consensus                                   ************* !!*!!!!**!**!************* ******************!*!****************
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logo
NTDB id 615 LCA RS02545 WP 011374200.1      PAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEAVLVQIAGRAGRHKDYAQNPVHFYYQ   418
NTDB id 593 KW2 RS05130 WP 021037147.1      PKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSIDVFVINSEHPNFTKSALIQMAGRVGRDSKRPTGLVSFFHS   408
NTDB id 277 KZH43 RS10090 WP 000867601.1    PNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHD   410
NTDB id 202 SPR RS10250 WP 000867601.1      PNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHD   410
NTDB id 236 SPD RS10765 WP 000867601.1      PNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHD   410
NTDB id 167 SP RS11275 WP 000867616.1       PNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHD   410
NTDB id 507 SM12261 RS09240 WP 000867722.1  PNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHD   410
NTDB id 535 SMSK321 RS10515 WP 000867726.1  PHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHD   410
consensus                                   !*****************!!!*********!*!!!!!!!!****!*!****!**!****!*!**!!*!!**********!***

logo
NTDB id 615 LCA RS02545 WP 011374200.1      DYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 593 KW2 RS05130 WP 021037147.1      GKSLAMCQAQKEIKKMNRLGGF.....   430
NTDB id 277 KZH43 RS10090 WP 000867601.1    GLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 202 SPR RS10250 WP 000867601.1      GLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 236 SPD RS10765 WP 000867601.1      GLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 167 SP RS11275 WP 000867616.1       GLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 507 SM12261 RS09240 WP 000867722.1  GLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 535 SMSK321 RS10515 WP 000867726.1  GLNTSIKKAIKEIQQMNKEAGL.....   432
consensus                                   *** ****!***!* *!*****
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X non conserved

X similar

X $\geq$ 50% conserved