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logo
NTDB id 108 BSU 35470 NP 391427.1          MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMIEWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHSSGKNKLYCR   85
NTDB id 241780 LBS RS00435 WP 052039239.1  MGQQVIA............CGRQFTAAQ..LADTQN.NNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQTC....LPDGRHYCA   66
NTDB id 615 LCA RS02545 WP 011374200.1     MGQQVIA............CGRQFTAAQ..LADTQN.NNYSLPQIKRRPAFLRVKHRLVCQRCQQVVPPQTC....LPDGRHYCA   66
NTDB id 167 SP RS11275 WP 000867616.1      MKVNLDY............LGRLFTENE..LTEEE......RQLAEKLPAMRKEKGKLFCQRCNSTILEEWY....LPIGAYYCR   61
NTDB id 277 KZH43 RS10090 WP 000867601.1   MKVNLDY............LGRLFTENE..LTEEE......RQLAEKLPAMRKEKGKLFCQRCNSTILEEWY....LPIGAYYCR   61
NTDB id 236 SPD RS10765 WP 000867601.1     MKVNLDY............LGRLFTENE..LTEEE......RQLAEKLPAMRKEKGKLFCQRCNSTILEEWY....LPIGAYYCR   61
NTDB id 202 SPR RS10250 WP 000867601.1     MKVNLDY............LGRLFTENE..LTEEE......RQLAEKLPAMRKEKGKLFCQRCNSTILEEWY....LPIGAYYCR   61
NTDB id 507 SM12261 RS09240 WP 000867722.1 MKVNPNY............LGRLFTENE..LTEEE......RQLAEKLPAMRKEKGKLFCQRCNSTILEEWY....LPIGTYYCR   61
NTDB id 535 SMSK321 RS10515 WP 000867726.1 MKVNPNY............LGRLFTENE..LTKEE......RQLAEKLPAMRKEKGKLFCQRCDSAILDEWY....LPIGAYYCR   61
consensus                                  !******            **!******  *****      *************!****!*!!*********    ******!!*

logo
NTDB id 108 BSU 35470 NP 391427.1          SCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFPGIESALNQGLRV  170
NTDB id 241780 LBS RS00435 WP 052039239.1  QCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEQAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGILVALQKGQRV  151
NTDB id 615 LCA RS02545 WP 011374200.1     QCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQGILVALQKGQRV  151
NTDB id 167 SP RS11275 WP 000867616.1      ECLLMKRVRSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAV  144
NTDB id 277 KZH43 RS10090 WP 000867601.1   ECLLMKRVRSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAV  144
NTDB id 236 SPD RS10765 WP 000867601.1     ECLLMKRVRSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAV  144
NTDB id 202 SPR RS10250 WP 000867601.1     ECLLMKRVRSDQTLYYFPQEDFPKQ..DVLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQVVAKVINAGGAV  144
NTDB id 507 SM12261 RS09240 WP 000867722.1 ECLLMKRVRSDQSLYYFPQEDFPKQ..DVLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQVVAKVINAGGAV  144
NTDB id 535 SMSK321 RS10515 WP 000867726.1 ECLLMKRVRSDQVLYYFPQEDFAKQ..DILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQVVAKVINAGGAV  144
consensus                                  *!****!******!!**********  **!*!*!*!***!*******************!!*!!!!!!!**********!**!

logo
NTDB id 108 BSU 35470 NP 391427.1          CIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAFPYSADQTLQFAVQKARK  255
NTDB id 241780 LBS RS00435 WP 052039239.1  CLAAPRVAVCLELYPRLQAAFATASIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLVTAVEQACK  236
NTDB id 615 LCA RS02545 WP 011374200.1     CLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFPFVDNPVLATAVEQACK  236
NTDB id 167 SP RS11275 WP 000867616.1      CLASPRIDVCLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVK  227
NTDB id 277 KZH43 RS10090 WP 000867601.1   CLASPRIDVCLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVK  227
NTDB id 236 SPD RS10765 WP 000867601.1     CLASPRIDVCLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVK  227
NTDB id 202 SPR RS10250 WP 000867601.1     CLASPRIDVCLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVK  227
NTDB id 507 SM12261 RS09240 WP 000867722.1 CLASPRIDVCLELYKRLQKDFACE.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVK  227
NTDB id 535 SMSK321 RS10515 WP 000867726.1 CLASPRIDVCLELYKRLQDDFACE.ISLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFPYVDNPMLYHAVKNSVK  227
consensus                                  !*!*!!**!*!!!**!!* *!  **  !****!* ********!***!!!!!!****!*!**!*!!!!!!!******!**!!****!

logo
NTDB id 108 BSU 35470 NP 391427.1          KNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPAVKRWIEFHVKEGRPVFLFVPSVS  340
NTDB id 241780 LBS RS00435 WP 052039239.1  PQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPHRHVAFNWRAQLKKGRLPKRLERDCQTCLK.TQQILLFVPQVR  320
NTDB id 615 LCA RS02545 WP 011374200.1     PQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLERDCQTYLK.TQQILLFVPQVR  320
NTDB id 167 SP RS11275 WP 000867616.1      ENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIK  312
NTDB id 277 KZH43 RS10090 WP 000867601.1   ENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIK  312
NTDB id 236 SPD RS10765 WP 000867601.1     ENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIK  312
NTDB id 202 SPR RS10250 WP 000867601.1     ENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSYIEKQRKTAYPLLIFASEIK  312
NTDB id 507 SM12261 RS09240 WP 000867722.1 ENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLKSYIEKQRKTGYPLLIFASEIK  312
NTDB id 535 SMSK321 RS10515 WP 000867726.1 ENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLKSYIEKQRKTGYPLLIFASEIK  312
consensus                                  *******!*!!**  **************  *!*!*!***!**!************!*****************!*******!*****
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logo
NTDB id 108 BSU 35470 NP 391427.1          ILEKAAACFKGV..HCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPKVQTGVLGAESSIFTESALVQIAGRTGRH   423
NTDB id 241780 LBS RS00435 WP 052039239.1  LLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEAVLVQIAGRAGRH   405
NTDB id 615 LCA RS02545 WP 011374200.1     LLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVAVLVLGAEHMVFNEAVLVQIAGRAGRH   405
NTDB id 167 SP RS11275 WP 000867616.1      KGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRS   397
NTDB id 277 KZH43 RS10090 WP 000867601.1   KGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRS   397
NTDB id 236 SPD RS10765 WP 000867601.1     KGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRS   397
NTDB id 202 SPR RS10250 WP 000867601.1     KGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRS   397
NTDB id 507 SM12261 RS09240 WP 000867722.1 KGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRS   397
NTDB id 535 SMSK321 RS10515 WP 000867726.1 KGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVDVFVVEANHRLFTKSSLIQIGGRVGRS   397
consensus                                  ******************************!!*********!!!!!!!!!***!***!**!****!****!*!!*!!*!!*
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logo
NTDB id 108 BSU 35470 NP 391427.1          KEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
NTDB id 241780 LBS RS00435 WP 052039239.1  KDYAQNPVHFYYQDYTRAIKGACRQIKAQNQRGRRLQSTV   445
NTDB id 615 LCA RS02545 WP 011374200.1     KDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 167 SP RS11275 WP 000867616.1      MDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 277 KZH43 RS10090 WP 000867601.1   MDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 236 SPD RS10765 WP 000867601.1     MDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 202 SPR RS10250 WP 000867601.1     MDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 507 SM12261 RS09240 WP 000867722.1 MDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 535 SMSK321 RS10515 WP 000867726.1 MDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
consensus                                  *************** ****!***!* *!*****
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X non conserved

X similar

X $\geq$ 50% conserved