logo

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NTDB id 108 BSU 35470 NP 391427.1                    MNVPVEKNSSFSKELQQTLRSRHLLRTELSFSDEMI.EWHIKNGYITAENSISINKRRYRCNRCGQTDQRYFSFYHSSGK   79
NTDB id 615 LCA RS02545 WP 011374200.1               MG...........QQVIACGRQFTAAQLADTQNNNY...SLPQIKRRPA.FLRVKHRLVCQRCQQVVPPQ.T...CLPD   60
NTDB id 593 KW2 RS05130 WP 021037147.1               MNL..........ILENLLGHLLLEKDISAFNNFTDQVNNENKLIKIGAMTSVNANKVRCNRCGTIHIKTNV...KLPI   66
NTDB id 406209 GO596 RS00680 WP 157339042.1          ME...........DKNDYYGRTFVESQLS.....DELKEE..AEKLPS.MVKRKDDLTCNRCGSIVLPD.N...ILQT   55
NTDB id 277 KZH43 RS10090 WP 000867601.1             MK...........VNLDYLGRLFTENELT.....EEERQL..AEKLPA.MRKEKGKLFCQRCNSTILEE.W...YLPI   55
NTDB id 236 SPD RS10765 WP 000867601.1               MK...........VNLDYLGRLFTENELT.....EEERQL..AEKLPA.MRKEKGKLFCQRCNSTILEE.W...YLPI   55
NTDB id 202 SPR RS10250 WP 000867601.1               MK...........VNLDYLGRLFTENELT.....EEERQL..AEKLPA.MRKEKGKLFCQRCNSTILEE.W...YLPI   55
NTDB id 167 SP RS11275 WP 000867616.1                MK...........VNLDYLGRLFTENELT.....EEERQL..AEKLPA.MRKEKGKLFCQRCNSTILEE.W...YLPI   55
NTDB id 507 SM12261 RS09240 WP 000867722.1           MK...........VNPNYLGRLFTENELT.....EEERQL..AEKLPA.MRKEKGKLFCQRCNSTILEE.W...YLPI   55
NTDB id 535 SMSK321 RS10515 WP 000867726.1           MK...........VNPNYLGRLFTENELT.....KEERQL..AEKLPA.MRKEKGKLFCQRCDSAILDE.W...YLPI   55
consensus                                            !*          **********************  ******  ******  **********!*!!********  *   ****
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NTDB id 108 BSU 35470 NP 391427.1                    NKLYCRSCVMMGRVSEEVPLYSWKEENESNWKSIKLTWDGKLSSGQQKAANVLIEAISKKEELLIWAVCGAGKTEMLFPG   159
NTDB id 615 LCA RS02545 WP 011374200.1               GRHYCAQCLLFGRLVEGDWLYTVPECHLFENNIPKLTWEGQLTPHQEKAAQAVVEVVQTQKRHVLTAVTGAGKTEMLFQG   140
NTDB id 593 KW2 RS05130 WP 021037147.1               GAFFCPTCLELGRVRSDEYFYHLPQQDFPEKT..YLRWTGKLTENQEKISDALCQQITNNQKLLVQAVTGAGKTEMIYQL   144
NTDB id 406209 GO596 RS00680 WP 157339042.1          GQTYCRECLVFGRNISDSYLYYFPQKSFPKNN..SLNWQGQLTLYQNEVSEGMLSGIAEKKDLLVHAVTGAGKTEMIYHS   133
NTDB id 277 KZH43 RS10090 WP 000867601.1             GAYYCRECLLMKRVRSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQV   133
NTDB id 236 SPD RS10765 WP 000867601.1               GAYYCRECLLMKRVRSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQV   133
NTDB id 202 SPR RS10250 WP 000867601.1               GAYYCRECLLMKRVRSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQAVDKQKPTLVHAVTGAGKTEMIYQV   133
NTDB id 167 SP RS11275 WP 000867616.1                GAYYCRECLLMKRVRSDQTLYYFPQEDFPKQD..VLKWRGQLTPFQEKVSEGLLQVVDKQKPTLVHAVTGAGKTEMIYQV   133
NTDB id 507 SM12261 RS09240 WP 000867722.1           GTYYCRECLLMKRVRSDQSLYYFPQEDFPKQD..VLKWRGQLTPFQDKVSQGLLQAVDKQEPSLVHAVTGAGKTEMIYQV   133
NTDB id 535 SMSK321 RS10515 WP 000867726.1           GAYYCRECLLMKRVRSDQVLYYFPQEDFAKQD..ILKWRGQLTPFQEKVSEGLIQAVDKQEPILVHAVTGAGKTEMIYQV   133
consensus                                            ****!**!****!******!***********  *!*!*!*!***!*********************!!*!!!!!!!****
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NTDB id 108 BSU 35470 NP 391427.1                    IESALNQGLRVCIATPRTDVVLELAPRLKAAFQGADISALYGGSDDKGRLSPLMISTTHQLLRYKDAIDVMIIDEVDAFP   239
NTDB id 615 LCA RS02545 WP 011374200.1               ILVALQKGQRVCLAAPRVAVCLELYPRLQAAFATTSIMLMHGEQTEPYRYTQLVICTTHQLLKFYHAFDTVIVDEVDAFP   220
NTDB id 593 KW2 RS05130 WP 021037147.1               IEQILSHGGSVGLASPRIDVCIELHQRLSRDFTCQ.IPLLYHE.GDSYFRSPLVVMTSHQLLRFKEAFDLLIIDEVDAFP   222
NTDB id 406209 GO596 RS00680 WP 157339042.1          VAKIIDDGGCVCIASPRIDVCLELYKRMSRDFSCP.ITLLHGE.AEPYKRAPLIIATTHQLLKFYQAFDLLIIDEVDAFP   211
NTDB id 277 KZH43 RS10090 WP 000867601.1             VAKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 236 SPD RS10765 WP 000867601.1               VAKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 202 SPR RS10250 WP 000867601.1               VAKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 167 SP RS11275 WP 000867616.1                VAKVINAGGAVCLASPRIDVCLELYKRLQQDFSCG.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 507 SM12261 RS09240 WP 000867722.1           VAKVINAGGAVCLASPRIDVCLELYKRLQKDFACE.IALLHGE.SEPYFRTPLVVATTHQLLKFYQAFDLLIVDEVDAFP   211
NTDB id 535 SMSK321 RS10515 WP 000867726.1           VAKVINAGGAVCLASPRIDVCLELYKRLQDDFACE.ISLLYGE.SEPYFRTPLVVSTTHQLLKFYQAFDLLIVDEVDAFP   211
consensus                                            *******!**!**!*!!**!**!!**!** *!***  !******  ********!***!*!!!!****!*!**!*!!!!!!!
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NTDB id 108 BSU 35470 NP 391427.1                YSADQTLQFAVQKARKKNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIPPAVK  319
NTDB id 615 LCA RS02545 WP 011374200.1           FVDNPVLATAVEQACKPQCALLYLTATPTPAIKRAIAAKQMTVSELPLRFHGHLLPEPQRHVAFNWRAQLKKGRLPKRLE  300
NTDB id 593 KW2 RS05130 WP 021037147.1           FRDNDMLYFALENAKKINGTLLYLTATSTDKLDKQIKKHEIKRLFLPRRFHGHPLVIPMFFWKKTFYKK...........  291
NTDB id 406209 GO596 RS00680 WP 157339042.1      FVDNKMLYYAVNQSLKKDGVKIFLTATSTDELDKKVRKGDLKKLHLARRFHANPLVVPKMLWLSGVLKSMKKGKIPKKLD  291
NTDB id 277 KZH43 RS10090 WP 000867601.1         YVDNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLK  291
NTDB id 236 SPD RS10765 WP 000867601.1           YVDNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLK  291
NTDB id 202 SPR RS10250 WP 000867601.1           YVDNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLK  291
NTDB id 167 SP RS11275 WP 000867616.1            YVDNPMLYHAVKNSVKENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLK  291
NTDB id 507 SM12261 RS09240 WP 000867722.1       YVDNPMLYHAVKNSVKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNHCLEKSRLSPKLK  291
NTDB id 535 SMSK321 RS10515 WP 000867726.1       YVDNPMLYHAVKNSVKENGLRIFLTATSTDELDRKVRIGELKRLSLPRRFHGNPLIIPKPVWLSDFNRYLEKKCLSPKLK  291
consensus                                        ******!**!*****!*******!*!!**  ***************  ***!*!***!**!**********************
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NTDB id 108 BSU 35470 NP 391427.1                RWIEFHVKECRPVFLFVPSVSILEKAAACFKGV..HCRTASVHAEDKHRKEKVQQFRDGQLDLLITTTILERGVTVPKVQ  397
NTDB id 615 LCA RS02545 WP 011374200.1           RDCQTYLK.TQQILLFVPQVRLLQPVANRLSTLLPAVRIETLHANDPDQIKKITAFRAQQIQLMVTTTILERGVTFKNVA  379
NTDB id 593 KW2 RS05130 WP 021037147.1           ..FIEQRKTGFPLLIFVAEIDFGQDFAKNLQEKFPKEKMAFVASTTKSRKTIVEAFRKKQVSILITTSILERGVTFSSID  369
NTDB id 406209 GO596 RS00680 WP 157339042.1      LLLKNQRKSGYPLLIFFPNIEQGKRFSMVLQEKFPTEKIGFVSSQSEDRLELVEKFRKKEITILVSTTILERGVTFPCVD  371
NTDB id 277 KZH43 RS10090 WP 000867601.1         SYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
NTDB id 236 SPD RS10765 WP 000867601.1           SYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
NTDB id 202 SPR RS10250 WP 000867601.1           SYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
NTDB id 167 SP RS11275 WP 000867616.1            SYIEKQRKTAYPLLIFASEIKKGEQLAEILQEQFPNEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
NTDB id 507 SM12261 RS09240 WP 000867722.1       SYIEKQRKTGYPLLIFASEIKKGEQLKEIIQEQFPNEKIGFVSSITENRLEQVQAFRDRELTILISTTILERGVTFPCVD  371
NTDB id 535 SMSK321 RS10515 WP 000867726.1       SYIEKQRKTGYPLLIFASEIKKGEQLKEILQKEFPHEKIGFVSSVTEDRLEQVQAFRDGELTILISTTILERGVTFPCVD  371
consensus                                        *******!********!*************************************!!*********!*!!!!!!!*****
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NTDB id 108 BSU 35470 NP 391427.1                TGVLGAESSIFTESALVQIAGRTGRHKEYADGDVIYFHFGKTKSMLDARKHIKEMNELAAKVECTD   463
NTDB id 615 LCA RS02545 WP 011374200.1           VLVLGAEHMVFNEAVLVQIAGRAGRHKDYAQNPVHFYYQDYTRAIKGACRQIKTQNQRGRRLQSTV   445
NTDB id 593 KW2 RS05130 WP 021037147.1           VFVINSEHPNFTKSALIQMAGRVGRDSKRPTGLVSFFHSGKSLAMCQAQKEIKKMNRLGGF.....   430
NTDB id 406209 GO596 RS00680 WP 157339042.1      VFVVLANHKLYTKSALVQISGRVGRAAERPTGELLFLHDGATKSMQQAIKEIKEMNKKGGF.....   432
NTDB id 277 KZH43 RS10090 WP 000867601.1         VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 236 SPD RS10765 WP 000867601.1           VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 202 SPR RS10250 WP 000867601.1           VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 167 SP RS11275 WP 000867616.1            VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNASIKKAIKEIQMMNKEAGL.....   432
NTDB id 507 SM12261 RS09240 WP 000867722.1       VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
NTDB id 535 SMSK321 RS10515 WP 000867726.1       VFVVEANHRLFTKSSLIQIGGRVGRSMDRPTGDLLFFHDGLNTSIKKAIKEIQQMNKEAGL.....   432
consensus                                        **!*************!*!**!!*!!*****************  ****!***!*  *!*****
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X non conserved
X similar
X ≥ 50% conserved