```
logo
NTDB id 120312 NMA510612 RS05035 WP 002246097.1  MSASIQAFDPLTVPISGTNLIEASAGTGKTYGIAALFTRLIVLEQKNVERVLVVTFTKAATAELKTRLRGRLDDVLQVLE   80
NTDB id 1132 OK783 RS01905 WP 010951035.1        MSAPIRAFDPLTAPISGTNLIEASAGTGKTYGIAALFTRLIVLEQKSVERVLVVTFTKAATAELKTRLRARLDDVLQVLE   80
consensus                                        !!!*! !!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!

logo
NTDB id 120312 NMA510612 RS05035 WP 002246097.1  SKGIAKLGDDTLSDGIAAYCAEHHEGDTFLPELLKQALQKEGRTRLIVRLKAAIGQFDNAAIYTIHGFCQRILRDYAFLC  160
NTDB id 1132 OK783 RS01905 WP 010951035.1        SKEIAELGDDTLSDGIAAYCAEHHEGDTFLPALLEQALQKESRTRLIVRLKAAIGQFDNAAIYTIHGFCQRILRDYAFLC  160
consensus                                        !! !! !!!!!!!!!!!!!!!!!!!!!!!!!!! !! !!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 120312 NMA510612 RS05035 WP 002246097.1  QAPFDVEMTEEDGDRLLIPAQDFWRERVSNDPVLAALALKRKAVPQTVLAQISRYLSRPYLNFRRPQADLKQAQRNAETS  240
NTDB id 1132 OK783 RS01905 WP 010951035.1        QAPFDVELTEEDGDRLLVPAQDFWRERVSGDPVLAALAFKRKAVPQTVLAQIRAYLSRPYLNFRRPQADLKQAQRDAETS  240
consensus                                        !!!!!!!*!!!!!!!!!*!!!!!!!!!!!! !!!!!!!! !!!!!!!!!!!!!!   !!!!!!!!!!!!!!!!!!!!!!! !!!!

logo
NTDB id 120312 NMA510612 RS05035 WP 002246097.1  WQTICRLLPELEAGFWRIHPDLNGNSYRKNSFGNLFKELAQKSAAGQLPFLDKDTHDRLLKLASDKLEAGLKKGKTPDAA  320
NTDB id 1132 OK783 RS01905 WP 010951035.1        WQTVCRLLPELEAGFWRIHPDLNGNSYRKNSFGNLFKELAQKSAAGQLPCLDKDTHERLLKLSSDKLEAGLKKGKTPDAA  320
consensus                                        !!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 120312 NMA510612 RS05035 WP 002246097.1  VFAELQKLADFGRDLNALEEAEEATMIRLQLDLIEYLNRSLAEMKKSRRERGFDDLLLDVHTALTDNPHADTLARAVAEN  400
NTDB id 1132 OK783 RS01905 WP 010951035.1        VFAELQKLADFGRDLNALEEAEETTMIRLQLDLIEYLNSSLAEMKKSRRERGFDDLLLDVHTALTDNPHAETPARAVAEN  400
consensus                                        !!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 120312 NMA510612 RS05035 WP 002246097.1  WETALIDEFQDTDPLQYEIFQKIFIAQNRPLFLVGDPKQAIYSFRGADIYAYLQAAEDARHRYTLATNYRSHAALIGSIG  480
NTDB id 1132 OK783 RS01905 WP 010951035.1        WEIALIDEFQDTDPLQYEIFQKIFIARNRPLFLVGDPKQAIYSFRGADIYAYLQAAEDARHRYTLATNYRSHAALIGSIG  480
consensus                                        !! !!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!
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logo

NTDB id 120312 NMA510612 RS05035 WP 002246097.1  KGCPLQSGDIAVLVRTHNEAVMVSAALKKRQVQSVLLSRESVFASPEAAALSALIGFWLEPRRAGTLRFVLTSSIFGYNA   640
NTDB id 1132 OK783 RS01905 WP 010951035.1        KDRPLQSGDIAVLVRTHNEAVMISAALKKRQVQSVLLSRESVFASPEAAALSALIGFWLEPRRAGTLRFVLTSGIFGYDA   640
consensus                                        !  *!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!  !

logo

NTDB id 120312 NMA510612 RS05035 WP 002246097.1  QQLHDFNQNESEILHWAESARTALDNWNQYGIFAAMQQFSQTHGIETRLLSRNNGRSLTNYFQLLELLAAEDAQNRNPAA   720
NTDB id 1132 OK783 RS01905 WP 010951035.1        QQLHDFNQNESEILHWAESARTALDIWQKYGIFAAMQQFSQTHGIETRLLSRNNGRSLTNYFQLLELLAAEDAQNRNPAA   720
consensus                                        !!!!!!!!!!!!!!!!!!!!!!!!!!!! !* !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 120312 NMA510612 RS05035 WP 002246097.1  LHKWLRDQISLAGNNSGDNRAIRLESDEDLVKIVTMHASKGLQYPLVYCPFAWDAQDTGPSDWQILHQSANRTELLAKAQ   800
NTDB id 1132 OK783 RS01905 WP 010951035.1        LHKWLRDQISLAGNNGGDNRAIRLESDEDLVKIVTMHASKGLQYPLVYCPFAWDAQDTGPSDWQILHQGANRAELLAKAQ   800
consensus                                        !!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 120312 NMA510612 RS05035 WP 002246097.1  LSEDEQKQYADEEMAERLRLLYVALTRAEEQLNIYAAYSSDTADNPLAYLIEGLPQDSRETVRQTYAQEKDGITMLKQNW   880
NTDB id 1132 OK783 RS01905 WP 010951035.1        LSESEQKQYADEEMAERLRLLYVALTRAEEQLNIYAAYSSDTADNPLAYLIEGLPQDSRETVRRTYACEKDGITMLKRNW   880
consensus                                        !!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 120312 NMA510612 RS05035 WP 002246097.1  RRVADNAPAGTDFAFTENAPPPAAYRSNAGQTAEFAANSIPERRFRFVRHTSFTALSRHTQTPDGGEEDACPSLDAAETS   960
NTDB id 1132 OK783 RS01905 WP 010951035.1        RRVADNAPAGTDFTFTEDAPPPAAYRGNADQAAEFAANSIPERGFRFVRHTSFTALSRHTQTPDGGEEDACPSLDAAETS   960
consensus                                        !!!!!!!!!!!!! !!! !!!!!!!! !! ! !!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 120312 NMA510612 RS05035 WP 002246097.1  VAAMPSETPTASDGISIHDFPKGTQAGLCLHEILEDFKFGQAAAGQETLIADKLKKYGFEEMWLPAVAEMAEACQKTPLT  1040
NTDB id 1132 OK783 RS01905 WP 010951035.1        VPAMPSETPTASDGISIHDFPKGTQAGLCLHEILEDFKFGQAAAEQETLIADKLKKYGFEEIWLPAVAEMAEACRKTPLT  1040
consensus                                        !*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 120312 NMA510612 RS05035 WP 002246097.1  GAYCLSDIPPECRCPEMGFTLHTEDFGLKRLRDWFARDDIRLPEVCRAAAETLDFHTVNGFLNGFIDMVCQDPEGNICVI  1120
NTDB id 1132 OK783 RS01905 WP 010951035.1        GAYGLSDIPPGCRRPEMGFTLHTEDFGLKRLRDWLARDDIRLPEVCRAAAETLDFHTVNGFLNGFIDMVCQDPDGNICII  1120
consensus                                        !!!*!!!!!! !!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!*!
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logo

NTDB id 120312 NMA510612 RS05035 WP 002246097.1  DYKSNHLGADASAYTRQAMDEAVAHHHYYLQALIYAVASARYFKLRGQPPAAVSVRYLFLRGIDGKGGGVWHWDIDAAAL  1200
NTDB id 1132 OK783 RS01905 WP 010951035.1        DYKSNHL....SAYTRQAMDEAVAHQHYYLQALIYAVAAARYFKLRGQPPAAVSVRYLFLRGLDGKGGGVWRWDIDAAAL  1196
consensus                                        !!!!!!!****!!!!!!!!!!!!!!*!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!*!!!!!!!!

logo

NTDB id 120312 NMA510612 RS05035 WP 002246097.1  EQIK  1204
NTDB id 1132 OK783 RS01905 WP 010951035.1        EQIK  1200
consensus                                        !!!!
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X non conserved

X similar

X $\geq$ 50% conserved