```
logo
NTDB id 166445 AUL54 RS02570 WP 060962800.1  MDQASRCLMVCSINQIISPSLLLKWWKADHSLSFLRDP.............HPLTVLSEGKTAPKAIFREIERKDPELDE   67
NTDB id 114 BSU 16110 NP 389493.1            MDQAAVCLTICRINQLLSPSLLLKWWKADPSMSLTSPV...............LQTVTRDQIKAAALKNEIEQFYPKLPR   65
NTDB id 407 SMU RS04605 WP 002262865.1       ................MDNFQLFKLKKAGLTNLNILNIIDYEERTQKSLSLRDMAVVSKNKK....PLIFMEHY.KNLDS   59
NTDB id 599 KW2 RS05940 WP 021037268.1       ................MITNFDLFRWKKAGMTNLGVNKLLKFFRKYDRKISLRQMGQVAQVKS....IPNFIEQY.KNQDV   60
consensus                                    ****  ** ** ******* *! ** !! ***  *  ** *  *  * **** ****** **   ** * *!** ****

logo
NTDB id 166445 AUL54 RS02570 WP 060962800.1  VLSEYRREGITVIPISSSRYPSWLKTIYDPPVVLFAKGNTQLLEKGRKIGIVGTRKPTEDGIKAVGHLTAELSKKGWVIV  147
NTDB id 114 BSU 16110 NP 389493.1            VLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIV  145
NTDB id 407 SMU RS04605 WP 002262865.1       KALRKEFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVII  137
NTDB id 599 KW2 RS05940 WP 021037268.1       KKLRADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIV  138
consensus                                     ******** ****!   * !! *!**!! !!***!   ! **!! ***!***!!*!**** !***!**** ********!*

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SGLASGIDGLSHKASIRAKGLTIGVIAGGFHHIYPRENLLLAEYMAEHHLLLSEHPPETKPKKWHFPMRNRIISGLSEGI  227
NTDB id 114 BSU 16110 NP 389493.1            SGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGV  225
NTDB id 407 SMU RS04605 WP 002262865.1       SGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGV  217
NTDB id 599 KW2 RS05940 WP 021037268.1       SGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGV  218
consensus                                    !!!!*!!!  **!******** !!*!!*  !  ***!!*!!  **  ***!*****!!!******!*!*!!!  !!!!!  !!!*!*

logo
NTDB id 166445 AUL54 RS02570 WP 060962800.1  VVVQGKEKSGSLITAYQALDQGREVFAVPGSIFNPYSGGPIKLIQEGAKAVLCAEDIDGELTARCVQYTEPF  299
NTDB id 114 BSU 16110 NP 389493.1            IVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF  297
NTDB id 407 SMU RS04605 WP 002262865.1       MVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.........  280
NTDB id 599 KW2 RS05940 WP 021037268.1       VVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN........  282
consensus                                    *!* *!**!!!!!!*  !** !!**!**!! *******! **!!! !!!*****!!**!* ** *******
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X non conserved

X similar

X $\geq$ 50% conserved