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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 599 KW2 RS05940 WP 021037268.1          ................MITNFDL....FRWKKAG.MTNLGVNKLLKFFRKYDRKISLRQMGQVAQVKSIPNFIEQYKNQDV    60
NTDB id 1250 GC085 RS13065 WP 027219989.1       MNNLQPLLALNRMKR.IGPRTVLKLQKRWPDLNLMFQLSSVDLEEA........G....LPSWLAQTIKNFDPDFIKTDL    67
NTDB id 1068296 ACFVP7 RS09295 WP 014479775.1   MDQAAACLTICRINQLLSPSLLL....KWWKADPSMSLTSPVLQTV........TRDQIKAAALKNEIEQFYPKLPRVLA    68
NTDB id 114 BSU 16110 NP 389493.1               MDQAAVCLTICRINQLLSPSLLL....KWWKADPSMSLTSPVLQTV........TRDQIKAAALKNEIEQFYPKLPRVLA    68
consensus                                       ***** ****************    *!***** **!****!***        *************!**!******* *

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NTDB id 599 KW2 RS05940 WP 021037268.1          KKLLRADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIV   138
NTDB id 1250 GC085 RS13065 WP 027219989.1       .NWLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGVSIV   145
NTDB id 1068296 ACFVP7 RS09295 WP 014479775.1   .AYR..EQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIV   145
NTDB id 114 BSU 16110 NP 389493.1               .AYR..EQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIV   145
consensus                                        ***  *************!!**!* !**!!******!****!********!!*!*****!*********!*******!!

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NTDB id 599 KW2 RS05940 WP 021037268.1          SGLASGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGV   218
NTDB id 1250 GC085 RS13065 WP 027219989.1       SGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCI   225
NTDB id 1068296 ACFVP7 RS09295 WP 014479775.1   SGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGV   225
NTDB id 114 BSU 16110 NP 389493.1               SGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGV   225
consensus                                       !!!!*!!!***! ********!!*!** !* **!!**** ***********!!!******!***!!!*!!!!!*!!!***

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NTDB id 599 KW2 RS05940 WP 021037268.1          VVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.................   282
NTDB id 1250 GC085 RS13065 WP 027219989.1       LVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSLASG   305
NTDB id 1068296 ACFVP7 RS09295 WP 014479775.1   IVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF........   297
NTDB id 114 BSU 16110 NP 389493.1               IVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF........   297
consensus                                       *!* ****!!!!!!***!!!**!***!*!!********! **!*!!!!! *****!* *!************

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER
NTDB id 599 KW2 RS05940 WP 021037268.1          ..........................................................   282
NTDB id 1250 GC085 RS13065 WP 027219989.1       KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 1068296 ACFVP7 RS09295 WP 014479775.1   ..........................................................   297
NTDB id 114 BSU 16110 NP 389493.1               ..........................................................   297
consensus
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X non conserved

X similar

X $\geq$ 50% conserved