```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 31371 SEZ RS04540 WP 012515548.1   ..MIKLLLVEDDLSLSNSIF.DFLDDFADVTQVFDGDEGLYEAESGIYDLILLDLMLPEKDGFQVLKALREKDIKIPVLIMTAKE   82
NTDB id 362 SMU RS05200 WP 002262214.1     ..MIKLLLVEDDLSLSNSIF.DFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLIMTAKE   82
NTDB id 258 KZH43 RS03475 WP 000590640.1   ..MIKILLVEDDLGLSNSVF.DFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLIMTAKE   82
NTDB id 217 SPD RS03775 WP 000590640.1     ..MIKILLVEDDLGLSNSVF.DFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLIMTAKE   82
NTDB id 183 SPR RS03560 WP 000590640.1     ..MIKILLVEDDLGLSNSVF.DFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLIMTAKE   82
NTDB id 147 SP RS03905 WP 000590640.1      ..MIKILLVEDDLGLSNSVF.DFLDDFADVMQVFDGEEGLYEAESGVYDLILLDLMLPEKNGFQVLKELREKGITTPVLIMTAKE   82
NTDB id 606 V4T04 RS01910 WP 003130756.1  MTSKKILIIEDEKNLARFVSLELEHEGYATEIKDNGRSGLEEATSKDYDLILLDLMLPELDGFEVARRLRKE.KDTPIIMMTARD   84
NTDB id 471 HSISS4 RS01430 WP 002883757.1 .MSKRILIVEDEKNLARFVSLELQHEGYDVVTADNGREGLEMALEKDFDLILLDLMLPEMDGFEVTRRLQQE.KDTYIMMMTARD   83
consensus                                  ****!**!!** !***** **********!**!!**!****!!!!!!!!!!!**!!*!***!***********!!!**

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 31371 SEZ RS04540 WP 012515548.1   SLDDKGHGFELGADDYLTKPFYLEELKMRIQALLKRVGKF.....NDKSLKFGNLTVDTTRKEVQVNGQAIELLGKELDLLIYIL   162
NTDB id 362 SMU RS05200 WP 002262214.1     GLDDKGHGFELGADDYLTKPFYLEELKMRIQALLKRSGKF.....NENNLTYGELTVDTATNTTMVNGKEVELLGKEFDLLVYFL   162
NTDB id 258 KZH43 RS03475 WP 000590640.1   SLDDKGHGFELGADDYLTKPFYLEELKMRIQALLKRSGKF.....NENTLTYGNIVVNLSTNTVKVEDTPVELLGKEFDLLVYFL   162
NTDB id 217 SPD RS03775 WP 000590640.1     SLDDKGHGFELGADDYLTKPFYLEELKMRIQALLKRSGKF.....NENTLTYGNIVVNLSTNTVKVEDTPVELLGKEFDLLVYFL   162
NTDB id 183 SPR RS03560 WP 000590640.1     SLDDKGHGFELGADDYLTKPFYLEELKMRIQALLKRSGKF.....NENTLTYGNIVVNLSTNTVKVEDTPVELLGKEFDLLVYFL   162
NTDB id 147 SP RS03905 WP 000590640.1      SLDDKGHGFELGADDYLTKPFYLEELKMRIQALLKRSGKF.....NENTLTYGNIVVNLSTNTVKVEDTPVELLGKEFDLLVYFL   162
NTDB id 606 V4T04 RS01910 WP 003130756.1  STMDRVAGLDIGADDYITKPFAIEELLARVRAFFRREEHGHAV.ERAENTSFRDLVIDKTNRTVHRGKKVIDLTRREYDLLLTLM   168
NTDB id 471 HSISS4 RS01430 WP 002883757.1 SIMDIVAGLDRGADDYIVKPFAIEELLARIRATFRRQDIEAAKNAPAKASTYRDLKLDVQNRTVVRGDEAIPLTKREFDLLNTLL   168
consensus                                 ***!***!***!!!!!**!!!**!!!**!**!***!****     ************ ****** * *  **!***!*!!!****

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 31371 SEZ RS04540 WP 012515548.1   QNQNVILPKSQIFDRIWGFDSDTTISVVEVYVSKIRKKLKGTDFVNHLQTLRSVGYILKANE   224
NTDB id 362 SMU RS05200 WP 002262214.1     QNQNVILPKSQIFDRIWGFDSDTTISVVEVYVSKIRKKLKDTTFGKNLQTLRSVGYILKDAN   224
NTDB id 258 KZH43 RS03475 WP 000590640.1   QNQNVILPKTQIFDRLWGFDSDTTISVVEVYVSKVRKKLKGTTFAENLQTLRSVGYLLKDVQ   224
NTDB id 217 SPD RS03775 WP 000590640.1     QNQNVILPKTQIFDRLWGFDSDTTISVVEVYVSKVRKKLKGTTFAENLQTLRSVGYLLKDVQ   224
NTDB id 183 SPR RS03560 WP 000590640.1     QNQNVILPKTQIFDRLWGFDSDTTISVVEVYVSKVRKKLKGTTFAENLQTLRSVGYLLKDVQ   224
NTDB id 147 SP RS03905 WP 000590640.1      QNQNVILPKTQIFDRLWGFDSDTTISVVEVYVSKVRKKLKGTTFAENLQTLRSVGYLLKDVQ   224
NTDB id 606 V4T04 RS01910 WP 003130756.1  QNVGDVVTREHLVSQVWGYEEGTETNVVDVYIRYLRNKIDVEGQDSYIQTVRGLGYVMRERK   230
NTDB id 471 HSISS4 RS01430 WP 002883757.1 SNMNQVMTREELLLQVWKYDDAIETNVVDVYIRYLRGKIDVPGKESYIQTVRGMGYVIREK.   229
consensus                                 *!**************!*********!!*!!****!*!******* **!!*!**!!**** *
```

X non conserved

X similar

X $\geq$ 50% conserved