

logo

NTDB id 259 KZH43 RS03480 WP 000491790.1
NTDB id 218 SPD RS03780 WP 000491790.1
NTDB id 184 SPR RS03565 WP 000491790.1
NTDB id 148 SP RS03910 WP 000491790.1
NTDB id 49535 SPYALAB49 RS04615 WP 011054528.1
NTDB id 363 SMU RS05195 WP 002262215.1
consensus

MFSKLLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPPQAVIQLAINRATEEIKDL.... 76
 MFSKLLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPPQAVIQLAINRATEEIKDL.... 76
 MFSKLLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPPQAVIQLAINRATEEIKDL.... 76
 MFSKLLKKTWYADDFSYFIRNFGVFTLIFSTMTLIILQVMHSSLYTSVDDKLHGLSENPPQAVIQLAINRATEEIKDL.... 76
 .MNKLKKEILSDNYNHFFHFFAVFTGIFVIMTIIILQIMRFGVYSSVDSLSLVSNASSYANRTMARISFFYFDITENNI 79
 MLIKLRKQKQDENISFFSHFFAVFTGIFVMTVIIILQVMHFGIYSSVDNSLKIATENVNDYVNMTLSENNPITEAN... 77

logo

NTDB id 259 KZH43 RS03480 WP 000491790.1
NTDB id 218 SPD RS03780 WP 000491790.1
NTDB id 184 SPR RS03565 WP 000491790.1
NTDB id 148 SP RS03910 WP 000491790.1
NTDB id 49535 SPYALAB49 RS04615 WP 011054528.1
NTDB id 363 SMU RS05195 WP 002262215.1
consensus

ENARADASKVEIKPNVSSNTEVILFDKDFDTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYGQEEIYRVILMETNISS
TKL¹₆AS⁵SssKLGTAAAL¹DT¹L¹YSAKENYNINAFDAISNYCHFRBLRST⁸6¹EETEAK¹F¹TLK¹HTVTIVRVHNDP¹

ENARADASKVEIKPNVSSNTEVILFDKDFDTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYGQEEIYRVILMETNISS 156
ENARADASKVEIKPNVSSNTEVILFDKDFDTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYGQEEIYRVILMETNISS 156
ENARADASKVEIKPNVSSNTEVILFDKDFDTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYGQEEIYRVILMETNISS 156
ENARADASKVEIKPNVSSNTEVILFDKDFDTQLLSGNRFLGLDKIKLEKKELGHIYQIQVFNSYGQEEIYRVILMETNISS 156
IKALPDSDSSKLLGTPAANTDILFSANGTILNAFADFANSYQNHFHLDKRLSGSIETTSIMNFYGQEKEYHTITVRVHIKN 159
...GDASFVKVSKNQMAANTDTILYDGKHNVINNNVNAFSSL¹YHIRPKLKIDIGDIVEQEAKNIYGGTEKYRTTVTKVNDF 154

* * * * *

logo

NTDB id 259 KZH43 RS03480 WP 000491790.1
NTDB id 218 SPD RS03780 WP 000491790.1
NTDB id 184 SPR RS03565 WP 000491790.1
NTDB id 148 SP RS03910 WP 000491790.1
NTDB id 49535 SPYALAB49 RS04615 WP 011054528.1
NTDB id 363 SMU RS05195 WP 002262215.1
consensus



VSTNIKAAVLINTS¹QLE²QAS³QKHE⁴Q⁵LIV⁶VVM⁷AS⁸FW⁹IL¹⁰SLL¹¹AS¹²LY¹³LA¹⁴RV¹⁵SV¹⁶RP¹⁷LES¹⁸MQ¹⁹KQ²⁰QS²¹FVE²²NAS²³HEL²⁴RT²⁵PL²⁶AV²⁷LQ²⁸
 YPAVAFMAVAVVEQLEBNERYRISISVILTYITVYKWSKPTLESMQKQSFVENASHELRTPLAVLQ
 VSTNIKAAVLINTS¹QLE²QAS³QKHE⁴Q⁵LIV⁶VVM⁷AS⁸FW⁹IL¹⁰SLL¹¹AS¹²LY¹³LA¹⁴RV¹⁵SV¹⁶RP¹⁷LES¹⁸MQ¹⁹KQ²⁰QS²¹FVE²²NAS²³HEL²⁴RT²⁵PL²⁶AV²⁷LQ²⁸
 VSTNIKAAVLINTS¹QLE²QAS³QKHE⁴Q⁵LIV⁶VVM⁷AS⁸FW⁹IL¹⁰SLL¹¹AS¹²LY¹³LA¹⁴RV¹⁵SV¹⁶RP¹⁷LES¹⁸MQ¹⁹KQ²⁰QS²¹FVE²²NAS²³HEL²⁴RT²⁵PL²⁶AV²⁷LQ²⁸
 VSTNIKAAVLINTS¹QLE²QAS³QKHE⁴Q⁵LIV⁶VVM⁷AS⁸FW⁹IL¹⁰SLL¹¹AS¹²LY¹³LA¹⁴RV¹⁵SV¹⁶RP¹⁷LES¹⁸MQ¹⁹KQ²⁰QS²¹FVE²²NAS²³HEL²⁴RT²⁵PL²⁶AV²⁷LQ²⁸
 .YPAVAYMMAVVNVEQLDRANERYERTIIIVMSVFWLISILASTYLAKWSRKPTILESYEKQKMFVENASHELRTPLAVLQ
 .YPIQIKFATIVINTI¹QLE²AN³RYVTIIISVMIVFWLISVIASVYLAKWSQKPILENYEKQKSFVENASHELRTPLAVLQ

logo

NTDB id 259 KZH43 RS03480 WP 000491790.1
NTDB id 218 SPD RS03780 WP 000491790.1
NTDB id 184 SPR RS03565 WP 000491790.1
NTDB id 148 SP RS03910 WP 000491790.1
NTDB id 49535 SPYALAB49 RS04615 WP 011054528.1
NTDB id 363 SMU RS05195 WP 002262215.1
consensus

NRLETFRKPEATIMDVSESIASSLEEVNRMRFLTTSLLNLARRDDGIKPELAEVPTSFNNTFTNYEMIASENNRVFRF	316
NRLETFRKPEATIMDVSESIASSLEEVNRMRFLTTSLLNLARRDDGIKPELAEVPTSFNNTFTNYEMIASENNRVFRF	316
NRLETFRKPEATIMDVSESIASSLEEVNRMRFLTTSLLNLARRDDGIKPELAEVPTSFNNTFTNYEMIASENNRVFRF	316
NRLETFRKPEATIMDVSESIASSLEEVNRMRFLTTSLLNLARRDDGIKPELAEVPTSFNNTFTNYEMIASENNRVFRF	316
NRLESFRKPNETILENSEHLASSLDEVNRMRILTNNLLNLARRDDGINPQWTHLDTFNNNAIFENYELVAEKIKIFYF	318
NRLESFRKPEATILDSSESIASSLEEVNRMRMLTANLLNLARRDDGIKPEITEIQPRFFDDTFKNYEMIARENGKKLHI	313

logo

NTDB id 259 KZH43 RS03480 WP 000491790.1
NTDB id 218 SPD RS03780 WP 000491790.1
NTDB id 184 SPR RS03565 WP 000491790.1
NTDB id 148 SP RS03910 WP 000491790.1
NTDB id 49535 SPYALAB49 RS04615 WP 011054528.1
NTDB id 363 SMU RS05195 WP 002262215.1
consensus

ENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGISTEDKKKIFDRFYRVDKARTRQ	396
ENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGISTEDKKKIFDRFYRVDKARTRQ	396
ENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGISTEDKKKIFDRFYRVDKARTRQ	396
ENRIHRTIVTDQLLLKQLMTILFDNAVKYTEEDGEIDFLISATDRNLYLLVSDNGIGISTEDKKKIFDRFYRVDKARTRQ	396
QNKVNRSLRMDKALLKQLITILFDNAIKYTDKNGIIEIVKTTDKNLLISVIIDNGPGITDEKKKIFDRFYRVDKARTRQ	398
INKVNRQIKTDKTLKQLMTILFDNAVKYTDNDEGIWLDVKTTDRSLIFSVDANGQGISEDKKKIFDRFYRVDKARTRQ	393

logo

NTDB id 259 KZH43 RS03480 WP 000491790.1
NTDB id 218 SPD RS03780 WP 000491790.1
NTDB id 184 SPR RS03565 WP 000491790.1
NTDB id 148 SP RS03910 WP 000491790.1
NTDB id 49535 SPYALAB49 RS04615 WP 011054528.1
NTDB id 363 SMU RS05195 WP 002262215.1
consensus



 non conserved
 similar
 ≥ 50% conserved