

logo

|              |                              |                                                                                         |    |
|--------------|------------------------------|-----------------------------------------------------------------------------------------|----|
| NTDB id 1119 | NGFG RS11465 WP 017147169.1  | .....MNTLQKGFLLIELMIVVAIVGILAAVAPAYQDYTARAQVSEATLLAEGQKSAVTEYYLNHGKWPENNTSA.....        | 71 |
| NTDB id 1109 | OK783 RS10670 WP 157147416.1 | .....MNTLQKGFLLIELMIVVAIVGILAAVAPAYQDYTARAQVSEATLLAEGQKSAVTEYYLNHGIWPKDNTSA.....        | 71 |
| NTDB id 1467 | ASU2 RS05095 WP 014991735.1  | ...MKHIKPTQQAFTLLIELMIVVAIAILATVAIPSYNNYTKKAALSELLAASSAYKIDVEICINNTGATNSCFSGANG.....    | 77 |
| NTDB id 1191 | AAC28468.1 484..945( )       | .....MLKKVQKGFLLIELMIVVAIIGILAAIATPAYQDYTARAQATEGFKATAGLQTDLGAWRADRGSPNAAALVAG.NVIF     | 78 |
| NTDB id 1188 | NELON RS01755 WP 003772458.1 | .....MKAMQKGFLLIELMIVVAIIGILAAIATPAYQDYTVRSKVSEALIAASSPKSALSEAFQTDGITGMT.AAAKAFNKTA     | 77 |
| NTDB id 1424 | RS RS02795 WP 011000517.1    | MKSMRHLNKRQKGFLLIELMIVVAIVGILAAIATPAYQDYTVRARVTEGLSLAAQAKALVSENAANAQSDLSV.....          | 74 |
| NTDB id 1002 | ACIAD RS15100 WP 004923779.1 | .....MNAQKGFLLIELMIVVAIIGILAAIATPAYTDYTVRARVSEGLTAASSMKTTVSENILNAGALVAG.TPSTAGS...      | 73 |
| NTDB id 1274 | LPP RS09530 WP 011214168.1   | .....MRQKGFLLIELMIVVAIIGILAAIATPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPAT.QAATGYV...       | 72 |
| NTDB id 1258 | GC085 RS09745 WP 014844212.1 | .....MRQKGFLLIELMIVVAIIGILAAIATPAYQDYTIRARVTEGLTLADSAKLAVSETAITNNALPAT.QAATGYV...       | 72 |
| NTDB id 1079 | FDQ49 RS11140 WP 022575996.1 | .....MNAQKGFLLIELMIVVAIIGILAAIATPAYQNYIAKSKASEFTLADGLKTTINTNLQA.GTCFAGGATA...VTAA       | 73 |
| NTDB id 1197 | PSJM300 03940 AFN76866.1     | .....MKAQMKGKGFLLIELMIVVAIIGILAAIATPAYQDYTVRSNAAAAALAEITPGKIGCFECAINE.GKTPSLTSTDECYIGIT | 78 |
| NTDB id 1038 | HON27 RS01510 WP 000993725.1 | .....MNAQKGFLLIELMIVVAIIGILAAIATPQYQNYIAKSKQVNSGFSEISSIKTGYENAVNE.GAVPTKLS.DVGFATAAT    | 75 |
| consensus    |                              | *!***!!!!!!!!!!!!*!!**!!!!**!*!*!!**!* ** * ** * * * * * * * * * * * * *                |    |

logo

|              |                              |                                                                                         |     |
|--------------|------------------------------|-----------------------------------------------------------------------------------------|-----|
| NTDB id 1119 | NGFG RS11465 WP 017147169.1  | .....GVASPPIDIKGKYVKEVEVK.....NGVVTATM...LSSGVNNEIKKKLSLWGR.....RENGSVKWFCCGQP          | 131 |
| NTDB id 1109 | OK783 RS10670 WP 157147416.1 | .....GVASA.STIKGKYVQKVEVA....KGVVTQM...ASTGVNKEIQDKKLSLWAK.....RQDGSVKWFCCGQP           | 130 |
| NTDB id 1467 | ASU2 RS05095 WP 014991735.1  | .....IKNGDDLKNSKYLDSVSVT....AGTITVNGK.....GSVACYGYTLTPD.....YSSKTLTWKTTCS               | 131 |
| NTDB id 1191 | AAC28468.1 484..945( )       | DSANGLD.....GKYFAPGGVT.VTPDTGAINAFDAG.....ANAGKTMITPTVIA.....ASGQISTWTCPAG              | 138 |
| NTDB id 1188 | NELON RS01755 WP 003772458.1 | AAGGGAGGAAAAAGIQHASKYVKS...KVTEASPWDITVAISATEANGIPTGLDGNTRIRLPLVNK.AVP.AATSTIGALDWACASA | 158 |
| NTDB id 1424 | RS RS02795 WP 011000517.1    | .....GSSVF...TPTKVNANLTIAAGTGTVPGQITVITYT.T.....AAGGGTLALVPTAAGTALPVSSAPSGPIMWTCYAQ     | 141 |
| NTDB id 1002 | ACIAD RS15100 WP 004923779.1 | ...SCVGVQEISASNATNVATA.TCGASSAGQITVIMDTT.....KAKGANITLTPPT.....YASGAVTWKCTTT            | 135 |
| NTDB id 1274 | LPP RS09530 WP 011214168.1   | .....SPAAATPNVASI..AIGA..NGVITITY.TA.....AAGGGTIVMTPTL.....QANGDVTWTCTGG                | 123 |
| NTDB id 1258 | GC085 RS09745 WP 014844212.1 | .....SPAAATPNVQSI..AIGA..NGVITITY.TA.....AAGGGTIVMTPTL.....QANGDVTWTCTGG                | 123 |
| NTDB id 1079 | FDQ49 RS11140 WP 022575996.1 | D.....KVSG.KYGDAE..IGGTAPNCTITYTF...KSSGVSNKLTSTKIVMN.....VSETGILTKNSG                  | 127 |
| NTDB id 1197 | PSJM300 03940 AFN76866.1     | D.....ST...SYCDVD..L.DTAADGHIECTA...KGG.NAGKFDCKTITLN.....RTADGEWSC..A                  | 126 |
| NTDB id 1038 | HON27 RS01510 WP 000993725.1 | S.....SVCAITYSDAF..T.ETDGACKITCTL...KGN...PKIATKIVELT.....RSTDGAWTC..V                  | 124 |
| consensus    |                              | * **** * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *            |     |

<0

logo

|              |                              |                                             |     |
|--------------|------------------------------|---------------------------------------------|-----|
| NTDB id 1119 | NGFG RS11465 WP 017147169.1  | VTRADDDTVAD..AKDGKEIDTKHLP.STCRDKASDAK..... | 166 |
| NTDB id 1109 | OK783 RS10670 WP 157147416.1 | VTRTGDNDDTV..ADANNAIDTKHLP.STCRDESSAT.....  | 164 |
| NTDB id 1467 | ASU2 RS05095 WP 014991735.1  | GE.....DKSLFPAAFCSE.....                    | 145 |
| NTDB id 1191 | AAC28468.1 484..945( )       | AAN.....GIETRLRP.TSCQ*.....                 | 153 |
| NTDB id 1188 | NELON RS01755 WP 003772458.1 | AKETADKRFGTGSGVAVGTLPKAYAP.SECK.....        | 188 |
| NTDB id 1424 | RS RS02795 WP 011000517.1    | NKAQAASSVAPS...GTMSLAAYAP.AEER.....         | 168 |
| NTDB id 1002 | ACIAD RS15100 WP 004923779.1 | .....S.DKKYVP.SECRG.....                    | 147 |
| NTDB id 1274 | LPP RS09530 WP 011214168.1   | .....TLAKYRP.ASCR.....                      | 136 |
| NTDB id 1258 | GC085 RS09745 WP 014844212.1 | .....TLAKYRP.ASCR.....                      | 136 |
| NTDB id 1079 | FDQ49 RS11140 WP 022575996.1 | T.....DTPVELLP.QSFVAS.....                  | 142 |
| NTDB id 1197 | PSJM300 03940 AFN76866.1     | S.....TDKAYKP.GKCS.....                     | 139 |
| NTDB id 1038 | HON27 RS01510 WP 000993725.1 | S.....DVPTEFLP.KGCTAGTPTEGAITSL             | 149 |
| consensus    |                              | * ** ! * *                                  |     |

 non conserved  
 similar  
  $\geq 50\%$  conserved