

logo



| | | |
|---|--|----|
| NTDB id 600 KW2 RS01765 WP 011675413.1 | ..MATKKKTNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGERAAEQ.KVSVVSSGSLALDIALGAGGYPKGRIVE | 77 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | ...MAKKPKKLEEISKKFGEERKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRIVE | 76 |
| NTDB id 228 SPD RS09265 WP 001085462.1 | ...MAKKPKKLEEISKKFGEERKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRIVE | 76 |
| NTDB id 194 SPR RS08825 WP 001085462.1 | ...MAKKPKKLEEISKKFGEERKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRIVE | 76 |
| NTDB id 159 SP RS09750 WP 001085462.1 | ...MAKKPKKLEEISKKFGEERKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRIVE | 76 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | ...MAKKPKKLDEISKKFGEERKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRIVE | 76 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | ...MAKKPKKLDEISKKFGEERKALNDALKLIEKDFGKGSIMRLGERAEQ.KVQVMSSGSLALDIALGSGGYPKGRIVE | 76 |
| NTDB id 453 Spy49 1753c ACI62003.1 | ...MAKKLKKNEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGERAEQ.KVQVMSSGSLALDIALGAGGYPKGRIVE | 76 |
| NTDB id 408 SMU RS09530 WP 002262392.1 | ...MAKRIKKTEEITKKFGDERRKALDDALKNIEKDFGKGAVMRLGERAEQ.KVQVMSSGSLALDIALGAGGYPKGRIVE | 76 |
| NTDB id 115 BSU 16940 NP 389576.2 |MSDRQAALDMALKQIEKQFGKGSIMKLGKKTDT.RISTVPSGSLALDIALGIGGYPKGRIVE | 61 |
| NTDB id 625 LCA RS02525 WP 011374196.1 |MAKDERQAALDAALKKIEKNFGKGSIMRMGKQVDT.QVSTVSSGSLALDEALGVGGYPKGRIVE | 63 |
| NTDB id 1313 DR RS12030 WP 010888966.1 | MSKDA...TKEISAPTDAKERSKATETAMSQIEKAFGKGSIMKLGAEKSL.DVQVVSTGSLSLDLALGVGGIPKGRIVE | 75 |
| NTDB id 1245 Cj1673c YP 002345041.1 |MDDNKRKSLDAALKSLDKTFGKGTILRLGDKVEVE.QIDSIGTGSVGLDLALGIGGVPKGRIVE | 62 |
| NTDB id 1211 C694 RS00795 WP 000963128.1 |MAIDEDKQKATSLAIKQIDKVFGKGALVRLGDKQVE.KIDSISTGSLGLDLALGIGGVPKGRIVE | 64 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 |MAIDEDKQKATSLAIKQIDKVFGKGALVRLGDKQVE.KIDAISTGSLGLDLALGIGGVPKGRIVE | 64 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 |MAKTETTSPNDKSKKALAAVLEKLDKTYGKGTVMKLGDTVDHNI.EVIPSGSLGLDLALGVGGYPKGRIVE | 71 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1 | MAENKKSSKNNTVVKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQTEQL.DIESVSTGSLGLDLALGIGGLPMGRIVE | 79 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPKGRIVE | 63 |
| NTDB id 1124 NGFG RS03960 WP 003688695.1 |MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPKGRIVE | 63 |
| NTDB id 1123 OK783 RS03845 WP 003688695.1 |MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQEENLEVISTGSLGLDLALGVGGLPKGRIVE | 63 |
| NTDB id 381910 FYA40 RS07905 WP 005013565.1 | ..MDDK.....TSKAASEKAKALAAALSQIEKQFGKGSIMRYGDNEVEHDIQVVSTGSLGLDIALGVGGLPKGRIVE | 70 |
| NTDB id 1427 RS RS02760 WP 011000510.1 | MEDGKK.....AASMSAEKQKALAAALAQIEKQFGKGSIMKMGDAEVE.PVQVVSTGSLGLDVALGVGGLPKGRIVE | 71 |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 |MDENKQKALAAALGQIEKQFGKGSIMRLGDNRAM.DVETISTGSLSLDIALGAGGLPMGRIVE | 62 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1 |MDENKQKALAAALGQIEKQFGKGSIMRLGDNRAM.DVETISTGSLSLDIALGAGGLPMGRIVE | 62 |
| NTDB id 1205 PSJM300 05545 AFN77183.1 |MDENKKRALAAALGQIEKQFGKGAVMRMGDHRQ.AIPSIISTGSLGLDIALGIGGLPKGRIVE | 62 |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1 |MDDNKSALQAALSQIEKQFGKNTVMRLGDNTVQ.AVEAVSTGSLTLDIALGIGGLPKGRIVE | 62 |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 |MDENKSALQAALSQIEKQFGKNTVMRLGDNTVQ.AVEAVSTGSLTLDIALGIGGLPKGRIVE | 62 |
| consensus | *** ** * ** *! *!***** * ***!****!! !! !*!***! | |

logo



| | | |
|---|--|-----|
| NTDB id 600 KW2 RS01765 WP 011675413.1 | IGQGA E KAKNYLKEHQDV F DEIDHKVRAAHG L DDSEVAETEEETTA.SKTKAKAKKEEKAVETEEIELELED..... | 387 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | IGQGS E NAKKYLA E HP E IFDEIDKQVRSK F GLIDGEEVSEQDTENKK. DEPKKEEA..VNEEVPLDLGDELEIEIE | 387 |
| NTDB id 228 SPD RS09265 WP 001085462.1 | IGQGS E NAKKYLA E HP E IFDEIDKQVRSK F GLIDGEEVSEQDTENKK. DEPKKEEA..VNEEVPLDLGDELEIEIE | 387 |
| NTDB id 194 SPR RS08825 WP 001085462.1 | IGQGS E NAKKYLA E HP E IFDEIDKQVRSK F GLIDGEEVSEQDTENKK. DEPKKEEA..VNEEVPLDLGDELEIEIE | 387 |
| NTDB id 159 SP RS09750 WP 001085462.1 | IGQGS E NAKKYLA E HP E IFDEIDKQVRSK F GLIDGEEVSEQDTENKK. DEPKKEEA..VNEEVPLDLGDELEIEIE | 387 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | IGQGS E NAKKYLADN P EV F AEIDHQV R VQ F GLIDGEEAAE...SKK. DEVAQVDS..VNEEVTLDLGDELEIEIE | 383 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | IGQGS E NAKKYLADN P EV F AEIDHQV R VQ F GLIDGEEIAE...SKK. DEAAQVDS..VNEEVTLDLGDELEIEIE | 383 |
| NTDB id 453 Spy49 1753c ACI62003.1 | IGQGS E NAKRYLADHP Q LFDEIDR K V R V K FL E EESEESAMAVASE.....E.....TDDLALDLN G IEIED. | 378 |
| NTDB id 408 SMU RS09530 WP 002262392.1 | IGQGS E NAKKFLADN P EV F DDIDHKV R VQ Y GLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED. | 383 |
| NTDB id 115 BSU 16940 NP 389576.2 | L GQGR E NAK Q FLK E ND I ML M I Q EQ I RE H Y G LDN N GV V Q Q AEET Q E. E L E F E . E | 348 |
| NTDB id 625 LCA RS02525 WP 011374196.1 | IGQGR E NAK N YLAD H ED V EV R L K V R AA Y GIS D V P EE D L P TT E DE.. Q I. N IL P DD S T..... E E..... | 355 |
| NTDB id 1313 DR RS12030 WP 010888966.1 | IGQ G KE K TI A Y T A E R P EM E Q E IR D R V MA A IR A GN A GE A PA L AP A PA A PE A EA..... | 363 |
| NTDB id 1245 Cj1673c YP 002345041.1 | L GQGR E NS K AF L KE N PE I AD E IT K A I Q N SM G I E GM I ..SG S ED D E G .. E E..... | 343 |
| NTDB id 1211 C694 RS00795 WP 000963128.1 | L GQGR E NA K ALL K ED K AL A DE I TL K I K ES I GS N EE I ..M P L P DE P L.. E EM E | 347 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 | L GQGR E NA K ALL K ED K AL A DE I TL K I K ES I GS N EE I ..M P L P DE P L.. E EM E | 347 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 | L GQGR D TV K EL I K D NP E LA E LE A K I RE K L Q AK..... | 343 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1 | IGQ G K N NA V K W L K EN P E I AD K LE Q E I R N TL A SN P NS..VL K AT A SD S N D ES D VE E F.....SE E EL..... | 372 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1 | IGQ G K D N V R V W L KE N PE I S D E I DA K IR A L N GV E M H I..TE G T QDE T D G ER.....PE E | 348 |
| NTDB id 1124 NGFG RS03960 WP 003688695.1 | IGQ G K D N V R V W L KE N PE I S D E I DA K IR A L N GV E M H I..TE G T QDE T D G ER.....PE E | 348 |
| NTDB id 1123 OK783 RS03845 WP 003688695.1 | IGQ G K D N V R V W L KE N PE I S D E I DA K IR A L N GV E M H I..TE G T QDE T D G ER.....PE E | 348 |
| NTDB id 381910 FYA40 RS07905 WP 005013565.1 | IGQ G K D N V RE Y L K EH K AM A IE I EN K V R EN Q I V S R A..AE F AP S AE E RS E D..... | 353 |
| NTDB id 1427 RS RS02760 WP 011000510.1 | IGQ G R D NC R E F L R EN A E L ARE I EN K V R E H LG V TP M G..AV T LA E ..E V E E D..... | 352 |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 | IGQ G K A NA C K Y L K EN P E I AK T LD K KL R EM L LN P EN M ..QL I AE T SS A AD D VE F GA VPE E F..... | 354 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1 | IGQ G K A NA C K Y L K EN P E I AK T LD K KL R EM L LN P EN M ..QL I AE T SS A AD D VE F GA VPE E F..... | 354 |
| NTDB id 1205 PSJM300 05545 AFN77183.1 | IGQ G K A NA A K Y LE E N P E I Q E I E EQ I RA K LL V TS A N..TK A TP V A E DL A D A D I | 347 |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1 | IGQ G K N N V IR Y LE E N P Q I ST E IE A V I RE Q LL T K A S D ..Q T AA . H D ET E E E P D LL.....E S | 349 |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 | IGQ G K N N V IR Y FE E NN Q IA E E I ERN I RE Q LL T T G T N ..G A V Q . I .E D E E E P D L L.....L E S..... | 349 |
| consensus | *!!!***** ** * *** ***** ** ** | ** |

logo

| | | |
|---|---|-----|
| NTDB id 600 KW2 RS01765 WP 011675413.1 | . | 387 |
| NTDB id 269 KZH43 RS08665 WP 001085462.1 | E | 388 |
| NTDB id 228 SPD RS09265 WP 001085462.1 | E | 388 |
| NTDB id 194 SPR RS08825 WP 001085462.1 | E | 388 |
| NTDB id 159 SP RS09750 WP 001085462.1 | E | 388 |
| NTDB id 527 SMSK321 RS11065 WP 001085454.1 | E | 384 |
| NTDB id 499 SM12261 RS08315 WP 078228268.1 | E | 384 |
| NTDB id 453 Spy49 1753c ACI62003.1 | . | 378 |
| NTDB id 408 SMU RS09530 WP 002262392.1 | . | 383 |
| NTDB id 115 BSU 16940 NP 389576.2 | . | 348 |
| NTDB id 625 LCA RS02525 WP 011374196.1 | . | 355 |
| NTDB id 1313 DR RS12030 WP 010888966.1 | . | 363 |
| NTDB id 1245 Cj1673c YP 002345041.1 | . | 343 |
| NTDB id 1211 C694 RS00795 WP 000963128.1 | . | 347 |
| NTDB id 1214 NCTC11637 00359 SQJ03206.1 | . | 347 |
| NTDB id 1334 RAOC RS04870 WP 004918236.1 | . | 343 |
| NTDB id 1389 A4U84 RS07560 WP 021112712.1 | . | 372 |
| NTDB id 1130 NGFG RS03960 WP 003688695.1 | . | 348 |
| NTDB id 1124 NGFG RS03960 WP 003688695.1 | . | 348 |
| NTDB id 1123 OK783 RS03845 WP 003688695.1 | . | 348 |
| NTDB id 381910 FYA40 RS07905 WP 005013565.1 | . | 353 |
| NTDB id 1427 RS RS02760 WP 011000510.1 | . | 352 |
| NTDB id 1165 A1552VC RS01565 WP 000344154.1 | . | 354 |
| NTDB id 1142 GTF74 RS11550 WP 000344154.1 | . | 354 |
| NTDB id 1205 PSJM300 05545 AFN77183.1 | . | 347 |
| NTDB id 1022 ACIAD RS06390 WP 004925639.1 | . | 349 |
| NTDB id 1074 ABD1 RS10195 WP 000344167.1 | . | 349 |

consensus

non conserved
 similar
 ≥ 50% conserved