

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKK....TNFDDITKKYGAERDKALADALALIEKD FGKGSIMRLGEA.ANQKVSVVSSGSLALDIALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKP....KKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKKP....KKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKP....KKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKP....KKLEEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR	73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKP....KKLDEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR	73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKKP....KKLDEISKKFGAEREKALNDALKLIEKD FGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKKL....KKNEEITKKFGDERRKALDDALKNIEKD FGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKRI....KKTEEITKKFGDERKKALDDALKNIEKD FGKGAVMRLGER.AEQKVQVMSSGSLALDIALGAGGYPKGR	73
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQFGKGSIMKLGEK.TDTRISTVPSGSLALDTALGIGGYPRGR	58
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPRGR	60
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTDAKERSKATETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKSLDKT FGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPRGR	59
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKAIISLAIKQIDKVF GKGA LVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPRGR	61
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKAIISLAIKQIDKVF GKGA LVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPRGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSNPDDKKKALAAVLEKLDKT YGKGTVMKLGDTVDHNIIEVIPSGSLGLDLALGVGGYPKGR	68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQKKQALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGR	60
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGR	60
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGR	60
NTDB id 1427 RS RS02760 WP 011000510.1	.MED.....GK..KAASMSAEKQKALAAALAQIEKQFGKGSIMKMGA.EVEPVQVVSTGSLGLDVALGVGGLPRGR	68
NTDB id 300758 DRA87 RS05415 WP 002914769.1	MAIDENKQKALAAALGQIEKQFGKGSIMRLGED.RTMDVETISTGSLSLDIALGAGGLPMGR	61
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGR	59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGR	59
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSIISTGSLGLDIALGIGGLPKGR	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGR	59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGR	59
consensus	*** **	

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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
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DEKIGQGS ENAKKYLKENPEIAD EIP KYR E K L D L P L E Y E Q D E N K K D E L E A R K S S E V N E E Y L D L G D E L E I E

DEKIGQGA EKAKNYLKEHQDV FDEIDHKVRAAHGLDDSEVAETEETTASKTKAKAKKEEKAVETEEIELELED.... 387

DEKIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQD TENKKDE... PKKEEA..VNEEVPLDLGDELEIE 385

DEKIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQD TENKKDE... PKKEEA..VNEEVPLDLGDELEIE 385

DEKIGQGS ENAKKYLAEHPEIFDEIDKQVRSKFLIDGEEVSEQD TENKKDE... PKKEEA..VNEEVPLDLGDELEIE 385

DEKIGQGS ENAKKYLAADNPVFAEIDHQVRVQFLIDGEEAAE... SKKDE... VAQVDS..VNEEVPLDLGDELEIE 381

DEKIGQGS ENAKKYLAADNPVFAEIDHQVRVQFLIDGEEAAE... SKKDE... AAQVDS..VNEEVPLDLGDELEIE 381

DEKIGQGS ENAKRYLADHPQLFDEIDRKVRVKFCLLEESEESAMAVASE... E..... TDDLALDLNGIEIE 377

GEKIGQGS ENAKKFLADNPVFAEIDHKVVRVQYCLIEEDNTEEKQSSKEK..... ETDEK..ADKNLVLELDDTIELE 382

EE RL LGGGREN AKQFLKENKDI MLMIQE QIREHYCLDNNGVVQQQA EETQEEL.EFE.E..... 348

SERIGQGS RENAKNYLADHEDVEDEVRLKVR AAYCISDVPEEDLPTTEDE.QI.NILPDDST.... EE..... 355

DERIGQG K E K T I A Y I A E R P E M E Q E I R D R V M A A I R A G N A G E A P A L A P A P A A . P E A A E A 363

DKKLGGGREN SKAFLKENPEIAD EITKATIQNSMCTEGMISGSEDDE..GE.E..... 343

DKKLGGGREN AKALLKEDKALADEITLKI KESIGSNEEIMPLPDEP..LE.EME..... 347

DKKLGGGREN AKALLKEDKALADEITLKI KESIGSNEEIMPLPDEP..LE.EME..... 347

DTKLGGGRD TVKELIKDNPELAEELEAKIREKLQAK..... 343

GTKIGQGKNNAVKWLKENPEIADKLEQEIRNTLASNPNSVLKATAS..D...SNDES DVEEFSEEE..L..... 372

GAKIGGQKDNVRVWLKENPEISDEIDAKTRALNGVEMHITEGTQDE..TD.....GERPEE..... 348

GAKIGGQKDNVRVWLKENPEISDEIDAKTRALNGVEMHITEGTQDE..TD.....GERPEE..... 348

GAKIGGQKDNVRVWLKENPEISDEIDAKTRALNGVEMHITEGTQDE..TD.....GERPEE..... 348

GERIGQGRDNCREFLREN AELAREIENKVR EHLGVTPMGAVTLAAE..VE.ED..... 352

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GDKIGGQKANACKYWLKENPEIAKTLDKKLREMLLNPNEMQLI..AE.....TSSAADDVEFGAVPEEF..... 354

GDKIGGQKANACKYWLKENPEIAKTLDKKLREMLLNPNEMQLI..AE.....TSSAADDVEFGAVPEEF..... 354

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GNKIGGQKNNVIRYLEENPQISTEIEIAVIREQLLTKASDQTA..A...HD.ETEEEPDLLES..... 349

GNKIGGQKNNVIRYLEENPQIAEIERNI REQLLTGTNGAV..Q...I..EDEE EPDLLES..... 349

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NTDB id 600 KW2 RS01765 WP 011675413.1	...		387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE		388
NTDB id 228 SPD RS09265 WP 001085462.1	IEE		388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE		388
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	...		349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...		349
consensus			

- X non conserved
- X similar
- X ≥ 50% conserved