

logo



NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGAERDKALADALALIEKDFGKGSIMRLGER.A.NQKVS	VSSGSLALDI	ALGAGGYPKGR	74		
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGEERDKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGEERDKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGEERDKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGEERDKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLDEISKKFGEERDKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....PKKLDEISKKFGEERDKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73			
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFGEERDKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73			
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFGEERDKALDDALKNIEKDFGKGAVMRLGER.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73			
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQIEKQFGKGSIMKLGK.EK.TDTRISTVPSGSLALDI	TALGIGGYPRGR	58		
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPRGR	60			
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTDAKERSKATETAMSIKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDL	ALGVGGIPRGR	72		
NTDB id 422796 G3T44 RS08085 WP 052817457.1	.....MDNKRKSLDAALKS.LDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDL	ALGIGVVPKGR	59		
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS.LDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDL	ALGIGVVPKGR	59		
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQIDKVFVGKALVRLGDK.QVEKIDISTGSLGLDL	ALGIGVVPKGR	61		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQIDKVFVGKALVRLGDK.QVEKIDISTGSLGLDL	ALGIGVVPKGR	61		
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTSNDDKKKALAAVLEK.LDKTYGKGTVMKLGDTVDHNIIEVIPS	GSLGLDLALGVGGYPKGR	68		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKSSKNNTV.VKQVEPEQKQKALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDL	ALGIGGLPMGR	76			
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQEEENLEVISTGSLGLDL	ALGVGGLPRGR	60		
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQEEENLEVISTGSLGLDL	ALGVGGLPRGR	60		
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQEEENLEVISTGSLGLDL	ALGVGGLPRGR	60		
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K.KAASMSAEKQKALAAALAQIEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLD	VALGVGGLPRGR	68			
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDI	ALGAGGLPMGR	59		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDI	ALGAGGLPMGR	59		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDNKSALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59		
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59		
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSI	STGSLGLDI	ALGIGGLPKGR	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 499 SM12261 RS08315 WP 078228268.1
 NTDB id 527 SMSK321 RS11065 WP 001085454.1
 NTDB id 453 Spy49 1753c ACI62003.1
 NTDB id 408 SMU RS09530 WP 002262392.1
 NTDB id 115 BSU 16940 NP 389576.2
 NTDB id 625 LCA RS02525 WP 011374196.1
 NTDB id 1313 DR RS12030 WP 010888966.1
 NTDB id 422796 G3T44 RS08085 WP 052817457.1
 NTDB id 1245 Cj1673c YP 002345041.1
 NTDB id 1211 C694 RS00795 WP 000963128.1
 NTDB id 1214 NCTC11637 00359 SQJ03206.1
 NTDB id 1334 RAOC RS04870 WP 004918236.1
 NTDB id 1389 A4U84 RS07560 WP 021112712.1
 NTDB id 1130 NGFG RS03960 WP 003688695.1
 NTDB id 1124 NGFG RS03960 WP 003688695.1
 NTDB id 1123 OK783 RS03845 WP 003688695.1
 NTDB id 1427 RS RS02760 WP 011000510.1
 NTDB id 1165 A1552VC RS01565 WP 000344154.1
 NTDB id 1142 GTF74 RS11550 WP 000344154.1
 NTDB id 1022 ACIAD RS06390 WP 004925639.1
 NTDB id 1074 ABD1 RS10195 WP 000344167.1
 NTDB id 1205 PSJM300 05545 AFN77183.1

consensus



DEKIGQGA EKAKNYLKEHQDV FDEIDHKVRAAHGL LDDSEVAETEEETTASKTAKAKKKEEKAVETEEIELELED 387
 DEKIGQGS ENAKKYLA EHPEIFDEIDKQVRSKFG LIDGEEVSEQD TENKKDE PKKEEA . . VNEEVPLDLGDELEIE 385
 DEKIGQGS ENAKKYLA EHPEIFDEIDKQVRSKFG LIDGEEVSEQD TENKKDE PKKEEA . . VNEEVPLDLGDELEIE 385
 DEKIGQGS ENAKKYLA EHPEIFDEIDKQVRSKFG LIDGEEVSEQD TENKKDE PKKEEA . . VNEEVPLDLGDELEIE 385
 DEKIGQGS ENAKKYLA EHPEIFDEIDKQVRSKFG LIDGEEVSEQD TENKKDE PKKEEA . . VNEEVPLDLGDELEIE 385
 DEKIGQGS ENAKKYLA DNPEIFDEIDHQV RVVQFGL IDGEEIAES KKDE AAQVDS . . VNEEVTLDLGDELEIE 381
 DEKIGQGS ENAKKYLA DNPEVFAEIDHQV RVVQFGL IDGEEAAES KKDE VAQVDS . . VNEEVTLDLGDELEIE 381
 GEKIGQGS ENAKRYLADHPQLFDEIDRKV RVVKFGL LEESEEEESAMAVASE E TDDLALDLNGIEIE 377
 GEKIGQGS ENAKFLADNPEIFDDIDHKV RVVQYGL IEEDNTEEKQSSKEK ETDEK . . ADKNLVLELDDTIELE 382
 EERLGGGREN AKQFLKENKDIMLMIQE QIREHYGL DNNGVVQQAEETQEEL . EFE . E 348
 SERIGGGREN AKNYLADHEDVEDEVRLK VRAAYGISD VPEEDLPTTEDE . QI . NILPDDST EE 355
 DERIGGGKEK TIAYIAERP EMEQEIRDRVMAAIRAGNAGEAPALAPAPAAPEAAE . . A 363
 DKKLGGGREN SKAFLKENPEI ADEITKAIQNSMGI EGMI SGSEDD . . EGE . . E 343
 DKKLGGGREN SKAFLKENPEI ADEITKAIQNSMGI EGMI SGSEDD . . EGE . . E 343
 DKKLGGGREN AKALLKEDKAL ADEITLKI KESIGSNEEI MPLPDE . . PLE . . EME 347
 DKKLGGGREN AKALLKEDKAL ADEITLKI KESIGSNEEI MPLPDE . . PLE . . EME 347
 DTKLGGGRD TVKELTKDNPEI AEELEAKI REKLQAK 343
 GTKIGQGGKN NAVKWLKENPEI ADKLEQEIRNTLASNPN S VLKATASDSND . . ESDVEEFSEEL 372
 GAKIGQGGKDNV RVVWLKENPEI SDEIDAKIRALNGVEMHI TEGTQDET DGE . . R PEE 348
 GAKIGQGGKDNV RVVWLKENPEI SDEIDAKIRALNGVEMHI TEGTQDET DGE . . R PEE 348
 GAKIGQGGKDNV RVVWLKENPEI SDEIDAKIRALNGVEMHI TEGTQDET DGE . . R PEE 348
 GERIGGGRDNCR EFLRENAELAREI ENKVRHLGVTPMG AVTLA . EEVEE . . D 352
 GDKIGQGGKAN ACKYLKENPEI AKTLDKKLREMLLN PENM QLIAETSSAAD . . DVEFGAVPEEF 354
 GDKIGQGGKAN ACKYLKENPEI AKTLDKKLREMLLN PENM QLIAETSSAAD . . DVEFGAVPEEF 354
 GNKIGQGGKNNVIRYFEENNQIAEEIERN IREQLLTGASD QTAA . HDETEE . . EPDLL . . ES 349
 GSKIGQGGKANAAKYLEENPEI GQIEIQQLIRAKLLVTSAN TKATPVAEDLA . . DADI 347

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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
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
NTDB id 408 SMU RS09530 WP 002262392.1	D..	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 422796 G3T44 RS08085 WP 052817457.1	...	343
NTDB id 1245 Cj1673c YP 002345041.1	...	343
NTDB id 1211 C694 RS00795 WP 000963128.1	...	347
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	...	354
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NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349
NTDB id 1205 PSJM300 05545 AFN77183.1	...	347

consensus

 non conserved
 similar
 ≥ 50% conserved