

logo



NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKK....TNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGER	.ANQKVS	VSSGSLALDI	ALGAGGYPKGR	74	
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKP....KKLEEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKKP....KKLDEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKP....KKLDEISKKFGA	EREKALNDALKLEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALDI	ALGSGGYPKGR	73		
NTDB id 453 Spy49 1753c ACI62003.1	.MAKKL....KKNEEITKKKFG	DERKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73		
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKRI....KKTEEITKKKFG	DERKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALDI	ALGAGGYPKGR	73		
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQ	IEKQFGKGSIMKLG	EK.TDTR	ISTVPSGSLALDI	TALGIGGYPRGR	58	
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKK	IEKNFGKGSIMRM	GK.VDTQVSTVSSGSLALDEALGVGGYPRGR	60			
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	AKERSKATETAM	SQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGR	72			
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS	LDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGR	59				
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDEDKQKATISLAIKQ	IDKVF	FGKGA	LVR	LDK.QVEKIDSISTGSLGLDLALGIGGVPKGR	61	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDEDKQKATISLAIKQ	IDKVF	FGKGA	LVR	LDK.QVEKIDSISTGSLGLDLALGIGGVPKGR	61	
NTDB id 1334 RAOC RS04870 WP 004918236.1MAKTE..TTSPND	DKKALA	AVLEKLDKT	YGKGTVMKLG	DGTVDHNI	IEVIPS	GSLGLDLALGVGGYPRGR	68
NTDB id 40241 HIPMA RS01255 WP 013681269.1	.....MNDKKLQSLNMAIT	SKIEKMFGKGA	LMLKLG	DV.KAVDVNV	IPTGILSLDYALGVCGIPRGR	59	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKS	SKNNTVV..KQVEPE	QKKQ	ALEA	ALA	QIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGR	76	
NTDB id 1130 NGFG RS03960 WP 003688695.1MSDDKSKALAAALAQ	IEKSFGKGA	AIMKMDGSQ	QEE	NLE	VISTGSLGLDLALGVGGLPRGR	60	
NTDB id 1124 NGFG RS03960 WP 003688695.1MSDDKSKALAAALAQ	IEKSFGKGA	AIMKMDGSQ	QEE	NLE	VISTGSLGLDLALGVGGLPRGR	60	
NTDB id 1123 OK783 RS03845 WP 003688695.1MSDDKSKALAAALAQ	IEKSFGKGA	AIMKMDGSQ	QEE	NLE	VISTGSLGLDLALGVGGLPRGR	60	
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....KK..AASMSA	EKQKALAAALAQ	IEKQFGKGSIMKMGDA.EVEPVQVVSTGSLGLDVALGVGGLPRGR	68				
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQ	IEKQFGKGSIMRLG	DN.RAMDVET	ISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQ	IEKQFGKGSIMRLG	DN.RAMDVET	ISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQ	IEKQFGKNTVMRLG	DN.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDNKSKALQAALSQ	IEKQFGKNTVMRLG	DN.TVQAVEAVSTGSLTLDI	ALGIGGLPKGR	59		
NTDB id 1205 PSJM300 05545 AFN77183.1MDENKRRALAAALGQ	IEKQFGKGA	VMRMDH.DRQA	IPS	ISTGSLGLDI	ALGIGGLPKGR	59	
consensus		*** **	*	***	***	***	***	

logo



NTDB id 600 KW2 RS01765 WP 011675413.1	FAYNDEKIGQGA	EKAKNYLKEHQDV	FDEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAKAKKKEEK	AVETEEIELELED	.	387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	YSYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFG	LIDGEEVSEQD	TENKKDE	...PKKEEA	..VNEEVPLDLGDE	381	
NTDB id 228 SPD RS09265 WP 001085462.1	YSYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFG	LIDGEEVSEQD	TENKKDE	...PKKEEA	..VNEEVPLDLGDE	381	
NTDB id 194 SPR RS08825 WP 001085462.1	YSYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFG	LIDGEEVSEQD	TENKKDE	...PKKEEA	..VNEEVPLDLGDE	381	
NTDB id 159 SP RS09750 WP 001085462.1	YSYKDEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFG	LIDGEEVSEQD	TENKKDE	...PKKEEA	..VNEEVPLDLGDE	381	
NTDB id 499 SM12261 RS08315 WP 078228268.1	YSYKDEKIGQGS	ENAKKYLADNPEIF	DEIDHQVVRVQF	LIDGEEIAES	...KKDE	...AAQVDS	..VNEEVTLDLGDE	377	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	YSYKDEKIGQGS	ENAKKYLADNPEV	FAEIDHQVVRVQF	LIDGEEAAES	...KKDE	...VAQVDS	..VNEEVTLDLGDE	377	
NTDB id 453 Spy49 1753c ACI62003.1	FSYNGEKIGQGS	ENAKRYLADHPQL	FDEIDRKRVRVKF	GLEESEESAMAVASE	.....E	.....TDDLALDLNG		373
NTDB id 408 SMU RS09530 WP 002262392.1	FSYNGEKIGQGS	ENAKKFLADNPEIF	DDIDHKVVRVQY	GLEEDNTEEKQSSKEK	.....ETDEK	..ADKNLVLELDDT		378
NTDB id 115 BSU 16940 NP 389576.2	YSYEEEE	RLGQGR	ENAKQFLKENK	DIMLMIQEQ	IREHYGLD	NNGVVQQAEETQEEL	.EFE.E.....	348	
NTDB id 625 LCA RS02525 WP 011374196.1	YSYGSERIGQGR	ENAKNYLADHED	VEDEVRLKVR	AAAYGISD	VPEEDLPTTEDE	.QI.NILPDDST	.....EE.....	355
NTDB id 1313 DR RS12030 WP 010888966.1	YSYGDERIGQGR	KEKTIAYIAER	PEMEQEIRDR	VMAAIRAGN	AGEAPALAPAPAAPE	.....AAEA	.....	363
NTDB id 1245 Cj1673c YP 002345041.1	FSYKDKK	KLGGRENSK	AFLENPEIA	DEITKAIQNSM	GTEGMISGSEDD	..E..GE	.....E.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	LSYQDKK	KLGGRENAK	ALLKEDKAL	ADEITLKI	KESIGSN	EEIMPLPDE	..P..LE.....	347	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	LSYQDKK	KLGGRENAK	ALLKEDKAL	ADEITLKI	KESIGSN	EEIMPLPDE	..P..LE.....	347	
NTDB id 1334 RAOC RS04870 WP 004918236.1	FSYQDTK	LGQGRD	TVKELIKD	NPELAEELE	AKIREKLQAK	.....	.....	343
NTDB id 40241 HIPMA RS01255 WP 013681269.1	FSYNNER	LGQGRD	NAKEFLKGRG	DLLEIERK	LRLNELNCRPK	GETNES	.....	338
NTDB id 1389 A4U84 RS07560 WP 021112712.1	FSYDGT	KIGQGN	NAVVKWLKEN	PEIADKLE	QEIRNTLAS	NPNSVLKATASDS	..ND.....	372	
NTDB id 1130 NGFG RS03960 WP 003688695.1	YSYNGAK	IQGKDN	VRVWLKEN	PEISDEI	DAKIRALNG	VEMHITEGTQDET	.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	YSYNGAK	IQGKDN	VRVWLKEN	PEISDEI	DAKIRALNG	VEMHITEGTQDET	.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	YSYNGAK	IQGKDN	VRVWLKEN	PEISDEI	DAKIRALNG	VEMHITEGTQDET	.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	YSYNGER	IQGGRD	NCREFL	RENAELARE	EIENKVR	REHLGVTPMGAV	.TLAEEV..EED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	YSYNGDK	IQGQKAN	ACKYLKEN	PEIAKTL	DKKLREMLLN	PENMQLIAETSSA	..AD.....	354	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	YSYNGDK	IQGQKAN	ACKYLKEN	PEIAKTL	DKKLREMLLN	PENMQLIAETSSA	..AD.....	354	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	YSYQGN	KIGQGN	NVIRYFEENN	QIAEEI	ERNIREQLLT	TGTNGAVQ	.I.ED..EEEPD..LLES	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	YSYQGN	KIGQGN	NVIRYFEENN	QIAEEI	ERNIREQLLT	TGTNGAVQ	.I.ED..EEEPD..LLES	349
NTDB id 1205 PSJM300 05545 AFN77183.1	YAYKGS	KIGQKAN	AAKYLEEN	PEIQEIE	QQIRAKLLV	TSA	NTKATPVAED	..LA.....DAD..I	347
consensus	**!	**!!!*****	** * ***	****	**	**			

logo

	LEIEIEE	
NTDB id 600 KW2 RS01765 WP 011675413.1	.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	LEIEIEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	LEIEIEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	LEIEIEE	388
NTDB id 159 SP RS09750 WP 001085462.1	LEIEIEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	LEIEIEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LEIEIEE	384
NTDB id 453 Spy49 1753c ACI62003.1	IEIED..	378
NTDB id 408 SMU RS09530 WP 002262392.1	IELED..	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 40241 HIPMA RS01255 WP 013681269.1	.....	338
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 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 1074 ABD1 RS10195 WP 000344167.1	.....	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	.....	347

consensus

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