

logo

NTDB id 115 BSU 16940 NP 389576.2	MS	DRQAALDMALKQ	IEKQ	FGKGSIMKLGEK	.TDTRI	ISTV	SGSLALD	TALG	IGGYPRGR	58			
NTDB id 366910 FGY81 RS12725 WP 002287328.1	MA	DDRKAALDAALKK	IEKS	YGKGSIMKLGEK	.IDQQI	ISTIP	SGSLALD	VALG	VGGYPRGR	59			
NTDB id 625 LCA RS02525 WP 011374196.1	MAK	DERQAALDAALKK	IEKN	FGKGSIMRMGEK	.VDTQV	STVSS	SGSLALD	DEAL	GVGGYPRGR	60			
NTDB id 600 KW2 RS01765 WP 011675413.1	MATK.....	KKTNFDDITKKYGA	ERD	KALADALAL	IEKD	FGKGSIMRLGEA	.ANQKV	SVSS	SGSLALD	TALGAGGYPKGR	74		
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK.....	KPKKLEEISKKFGA	EREKALND	ALKL	IEKD	FGKGSIMRLGER	.AEQKV	QVMSS	SGSLALD	TALGSGGYPKGR	73		
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK.....	KPKKLEEISKKFGA	EREKALND	ALKL	IEKD	FGKGSIMRLGER	.AEQKV	QVMSS	SGSLALD	TALGSGGYPKGR	73		
NTDB id 194 SPR RS08825 WP 001085462.1	.MAK.....	KPKKLEEISKKFGA	EREKALND	ALKL	IEKD	FGKGSIMRLGER	.AEQKV	QVMSS	SGSLALD	TALGSGGYPKGR	73		
NTDB id 159 SP RS09750 WP 001085462.1	.MAK.....	KPKKLEEISKKFGA	EREKALND	ALKL	IEKD	FGKGSIMRLGER	.AEQKV	QVMSS	SGSLALD	TALGSGGYPKGR	73		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAK.....	KPKKLDEISKKFGA	EREKALND	ALKL	IEKD	FGKGSIMRLGER	.AEQKV	QVMSS	SGSLALD	TALGSGGYPKGR	73		
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK.....	KPKKLDEISKKFGA	EREKALND	ALKL	IEKD	FGKGSIMRLGER	.AEQKV	QVMSS	SGSLALD	TALGSGGYPKGR	73		
NTDB id 453 Spy49 1753c ACI62003.1	.MAK.....	KLKKNEEITKKFG	DERRKALDD	ALKN	IEKD	FGKGAVMRLGER	.AEQKV	QVMSS	SGSLALD	TALGAGGYPKGR	73		
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK.....	RIKKTEEITKKFG	DERKKALDD	ALKN	IEKD	FGKGAVMRLGER	.AEQKV	QVMSS	SGSLALD	TALGAGGYPKGR	73		
NTDB id 1313 DR RS12030 WP 010888966.1	MSK	DATKEISAPTD	AKERSKATET	AMSQ	IEKAFGKGSIMKLGA	E.SKLD	VQVSTGSL	SLD	TALGVGGIPRGR	72			
NTDB id 1245 Cj1673c YP 002345041.1	MD	DNKRKSLDA	ALKS	LDKT	FGKGTILRLGDK	.EVEQ	IDSIG	TGSVGLD	TALGIGGVPKGR	59			
NTDB id 1211 C694 RS00795 WP 000963128.1	MAID	EDKQKATISLA	IKQ	IDKV	FGKGALVRLGDK	.QVEK	IDAIST	TGSLGLD	TALGIGGVPKGR	61			
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAID	EDKQKATISLA	IKQ	IDKV	FGKGALVRLGDK	.QVEK	IDAIST	TGSLGLD	TALGIGGVPKGR	61			
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..	ETTSNP	DDKK	KALAAVLEK	LDKT	YGKGTVMKLG	DGTVD	HNIEV	IPSGSLGLD	TALGVGGYPKGR	68		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..	VKQVEP	EKKKQ	ALEAALA	Q	IEKQ	FGKGSIMKL	QGT.EQLD	IESV	STGSLGLD	TALGIGGLPMGR	76	
NTDB id 1130 NGFG RS03960 WP 003688695.1	MS	DDKSKALAAALA	Q	IEKS	FGKGAIMKMDGS	Q	Q	Q	EENLE	VISTGSLGLD	TALGVGGLPRGR	60	
NTDB id 1124 NGFG RS03960 WP 003688695.1	MS	DDKSKALAAALA	Q	IEKS	FGKGAIMKMDGS	Q	Q	Q	EENLE	VISTGSLGLD	TALGVGGLPRGR	60	
NTDB id 1123 OK783 RS03845 WP 003688695.1	MS	DDKSKALAAALA	Q	IEKS	FGKGAIMKMDGS	Q	Q	Q	EENLE	VISTGSLGLD	TALGVGGLPRGR	60	
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....	K..KAASMSA	EKKQ	KALAAALA	Q	IEKQ	FGKGSIMKMG	DA.EVEP	VQVSTGSLGLD	VALGVGGLPRGR	68		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MD	ENKQKALAAALGQ	IEKQ	FGKGSIMRLG	DN.RAMD	VETISTGSL	SLD	TALGAGGLPMGR	59				
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MD	ENKQKALAAALGQ	IEKQ	FGKGSIMRLG	DN.RAMD	VETISTGSL	SLD	TALGAGGLPMGR	59				
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MD	DNKSKALQAALSQ	IEKQ	FGKNTVMRLG	DN.TVQAVEAV	STGSLTLD	TALGIGGLPKGR	59					
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MD	ENKSKALQAALSQ	IEKQ	FGKNTVMRLG	DN.TVQAVEAV	STGSLTLD	TALGIGGLPKGR	59					
NTDB id 1205 PSJM300 05545 AFN77183.1	MD	ENKKRALAAALGQ	IEKQ	FGKGAVMRMG	DH.DRQAIPS	ISTGSLGLD	TALGIGGLPKGR	59					
consensus		*** **	*	***	***	*****	*	*****	***	*****	***	*****	

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NTDB id 115 BSU 16940 NP 389576.2
NTDB id 366910 FGY81 RS12725 WP 002287328.1
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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
NTDB id 499 SM12261 RS08315 WP 007228268.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 1313 DR RS12030 WP 010888966.1
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NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RA0C 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 Q5545 AFN77183.1

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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 115 BSU 16940 NP 389576.2	EEERIGGGRENAKQFLKENKDIIMLMIQEQIREHYGLDNNGVVQQQAETQEEL.....EFEE.....	348
NTDB id 366910 FGY81 RS12725 WP 002287328.1	EDRIGGGRENAKIYMANHPEMMAEVSALVRAAYGIGEEVAVPEDEKG.QEEL.....PLVEE.....	349
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGGGRENAKNYLADHEDVEDEVRLKVRAAYGISDVPEEDLPTE.DEQI.....NILPDDSTEE..	355
NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGAEKAKNYLKEHQDVFDEIDHKVRAAHGLDDSEVAETEEETTASHTKAKAKKEEKAVETEEIELELED.....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGSSENAKKYLAEHPEIFDEIDKQVRSKFGLIDGEEVSEQDTENKKDE....PKKEEA..VNEEVPLDLGDELEIE	385
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NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGSSENAKKYLADNPEIFDEIDHQVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLDLGDELEIE	381
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGSSENAKRYLADHPQLFDEIDRKVRVKFGLLEESEEEESAMAVASE.....E.....TDDLALDLNGIEIE	377
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGSSENAKKFLADNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELE	382
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQGGKEKTIAYIAERPMEQEIRDRVMAAIRAGNAGEAPALAPAPAAPEAAEA.....	363
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGQGRENSKAFLKENPEIADAITKAIQNSMGIEGMI.....SGSEDD..EGEE.....	343
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGQGRENAKALLKEDKALADEITLKIKESIGSNEEI.....MPLPDE..PLEEM.....E.....	347
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGQGRENAKALLKEDKALADEITLKIKESIGSNEEI.....MPLPDE..PLEEM.....E.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGQGRDITVKELIKDNPELAEELEAKIREKLQAK.....	343
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NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGTQDETGDGER.....PEE.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQGGKDNVRVWLKENPEISDEIDAKIRALNGVEMHI....TEGTQDETGDGER.....PEE.....	348
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQGRDNCREFLRENAELAREIENKVREHLGVTPMG....AVTLA.EEVEED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQGGKANACKYLLKENPEIAKTLDDKKLREMLLNPNEM....QLIAETSSAADDV.....EFGAVPEEF....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQGGKANACKYLLKENPEIAKTLDDKKLREMLLNPNEM....QLIAETSSAADDV.....EFGAVPEEF....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQGGKNNVIRYFEENNQIAEEIERNIREQLLTGASD....QTAA.HDETEEEP.....DLL..ES.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQGGKNNVIRYFEENNQIAEEIERNIREQLLTGASD....GAVQ.I.EDEEEP.....DLL..LES.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQGGKANAAKYLEENPEIGQEIEQQIRAKLLVTSAN....TKATPVAEDLADA.....DI.....	347
consensus	***!!!***** ** * *** ***** ** **	

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NTDB id 115 BSU 16940 NP 389576.2	...	348	
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NTDB id 159 SP RS09750 WP 001085462.1	IEE	388	
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	...	354	
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			

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