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NTDB id 600 KW2 RS01765 WP 011675413.1	MATK....KKTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALD	I	ALGAGGYPKGR	74	
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73		
NTDB id 228 SPD RS09265 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73		
NTDB id 194 SPR RS08825 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73		
NTDB id 159 SP RS09750 WP 001085462.1	.MAK....KPKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAK....KPKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73		
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAK....KPKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73		
NTDB id 453 Spy49 1753c ACI62003.1	.MAK....KLKKNEEITKKKFG	DERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALD	I	ALGAGGYPKGR	73		
NTDB id 408 SMU RS09530 WP 002262392.1	.MAK....RIKKTEEITKKKFG	DERKKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALD	I	ALGAGGYPKGR	73		
NTDB id 115 BSU 16940 NP 389576.2	.....MSDRQAALDMALKQ	IEKQFGKGSIMKLG	EK.TDTRISTVPSGSLALD	I	ALGIGGYPRGR	58			
NTDB id 54413 BN424 RS09290 WP 016356480.1	.....MGD	KGQAALSKALSKIEKD	FGKGAIMKLG	EK.TSMKIETISSGSLALD	I	ALGVGGYPRGR	59		
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKDERQAALDAALKK	IEKNFGKGSIMRM	GK.VDTQVSTVSSGSLALD	E	ALGVGGYPRGR	60			
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	AKERSKATETAM	SQIEKAFGKGSIMKLG	AE.SKLDVQVSTGSLSLD	I	ALGVGGIPRGR	72		
NTDB id 1245 Cj1673c YP 002345041.1	.....MDNKRKSLDAALKS	LDKTFGKGTILRLGDK	.EVEQIDSIGTGSVGLDL	I	ALGIGGVPRGR	59			
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAID	EDKQKATISLAIKQ	IDKVF	FGKGA	LVR	LGDK.QVEKIDSISTGSLGLDL	I	ALGIGGVPRGR	61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAID	EDKQKATISLAIKQ	IDKVF	FGKGA	LVR	LGDK.QVEKIDAISTGSLGLDL	I	ALGIGGVPRGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAKT..ETTS	PNDDKKKALAAVLEK	LDKTYGKGTVMKLG	DGTVDHNI	IEVIPS	SGSLGLDL	I	ALGVGGYPRGR	68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKSSKNNTV..VKQVEP	EKKKQALEAALAQ	IEKQFGKGSIMKLG	QT.EQLDIESVSTGSLGLDL	I	ALGIGGLPMGR	76		
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQ	IEKSF	FGKGA	IMKMDGSQ	QEE	NLEVISTGSLGLDL	I	ALGVGGLPRGR	60
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....MSDDKSKALAAALAQ	IEKSF	FGKGA	IMKMDGSQ	QEE	NLEVISTGSLGLDL	I	ALGVGGLPRGR	60
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....MSDDKSKALAAALAQ	IEKSF	FGKGA	IMKMDGSQ	QEE	NLEVISTGSLGLDL	I	ALGVGGLPRGR	60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAASMSA	EKKKALAAALAQ	IEKQFGKGSIMKMG	DA.EVEPVQVSTGSLGLD	I	ALGVGGLPRGR	68		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....MDENKQKALAAALGQ	IEKQFGKGSIMRLG	DN.RAMDVETISTGSLSLD	I	ALGAGGLPMGR	59			
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....MDENKQKALAAALGQ	IEKQFGKGSIMRLG	DN.RAMDVETISTGSLSLD	I	ALGAGGLPMGR	59			
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDNKSKALQAALSQ	IEKQFGKNTVMRLG	DN.TVQAVEAVSTGSLTLD	I	ALGIGGLPKGR	59			
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDENKSKALQAALSQ	IEKQFGKNTVMRLG	DN.TVQAVEAVSTGSLTLD	I	ALGIGGLPKGR	59			
NTDB id 1205 PSJM300 05545 AFN77183.1	.....MDENKRALAAALGQ	IEKQFGKGAVMRM	GDH.DRQAIPSISTGSLGLD	I	ALGIGGLPKGR	59			
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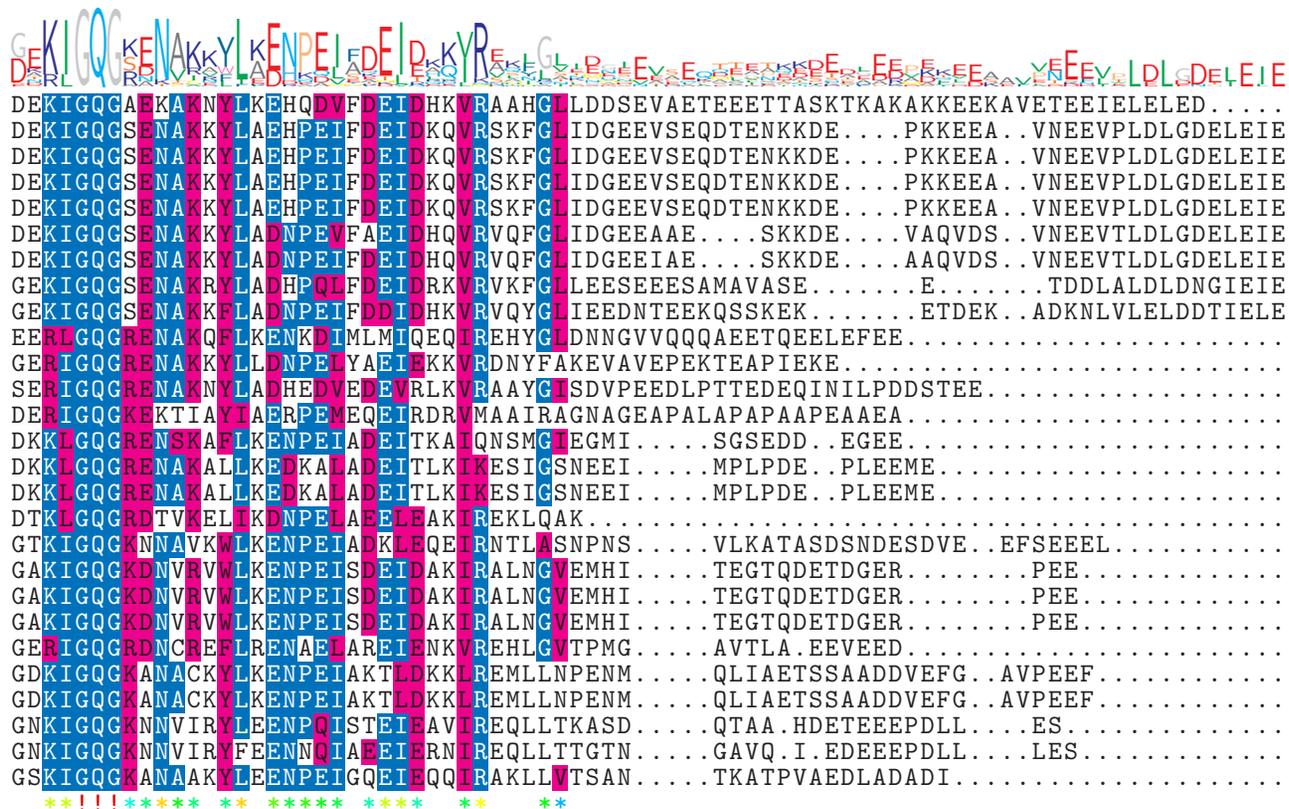




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 NTDB id 228 SPD RS09265 WP 001085462.1  
 NTDB id 194 SPR RS08825 WP 001085462.1  
 NTDB id 159 SP RS09750 WP 001085462.1  
 NTDB id 527 SMSK321 RS11065 WP 001085454.1  
 NTDB id 499 SM12261 RS08315 WP 078228268.1  
 NTDB id 453 Spy49 1753c ACI62003.1  
 NTDB id 408 SMU RS09530 WP 002262392.1  
 NTDB id 115 BSU 16940 NP 389576.2  
 NTDB id 54413 BN424 RS09290 WP 016356480.1  
 NTDB id 625 LCA RS02525 WP 011374196.1  
 NTDB id 1313 DR RS12030 WP 010888966.1  
 NTDB id 1245 Cj1673c YP 002345041.1  
 NTDB id 1211 C694 RS00795 WP 000963128.1  
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 NTDB id 1022 ACIAD RS06390 WP 004925639.1  
 NTDB id 1074 ABD1 RS10195 WP 000344167.1  
 NTDB id 1205 PSJM300 05545 AFN77183.1

consensus



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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 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
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NTDB id 408 SMU RS09530 WP 002262392.1	D..	383
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NTDB id 54413 BN424 RS09290 WP 016356480.1	...	345
NTDB id 625 LCA RS02525 WP 011374196.1	...	355
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NTDB id 1245 Cj1673c YP 002345041.1	...	343
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NTDB id 1334 RAOC RS04870 WP 004918236.1	...	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	...	372
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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 1022 ACIAD RS06390 WP 004925639.1	...	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349
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consensus

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