

logo



NTDB id 600 KW2 RS01765 WP 011675413.1	MATKKK.....TNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEAAN	.QKVS	VSSGSLALDI	ALGAGGYPKGR	74				
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKKP.....KKLEEISKKKFGA	EREKALNDALKLI	FKGGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73					
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NTDB id 194 SPR RS08825 WP 001085462.1	.MAKKP.....KKLEEISKKKFGA	EREKALNDALKLI	FKGGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73					
NTDB id 159 SP RS09750 WP 001085462.1	.MAKKP.....KKLEEISKKKFGA	EREKALNDALKLI	FKGGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73					
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKKP.....KKLDEISKKKFGA	EREKALNDALKLI	FKGGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73					
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKKP.....KKLDEISKKKFGA	EREKALNDALKLI	FKGGSIMRLGERAE	.QKVQVMSSGSLALDI	ALGSGGYPKGR	73					
NTDB id 453 Spy49 1753c ACI62003.1	.MAKKL.....KKNEEITKKKFGD	ERRKALDDALKNIEKD	FGKGVMLGERAE	.QKVQVMSSGSLALDI	ALGAGGYPKGR	73					
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKRI.....KKTEEITKKKFGD	ERRKALDDALKNIEKD	FGKGVMLGERAE	.QKVQVMSSGSLALDI	ALGAGGYPKGR	73					
NTDB id 115 BSU 16940 NP 389576.2	.....MS	DRQAALDMALKQIEKQ	FGKGSIMKLGKTD	.TRISTVPSGSLALDI	TALGIGGYPRGR	58				
NTDB id 625 LCA RS02525 WP 011374196.1	.....MAKD	ERQAALDAALKKIEKN	FGKGSIMRMGEKVD	.TQVSTVSSGSLALDE	ALGVGGYPRGR	60				
NTDB id 1313 DR RS12030 WP 010888966.1	.....MSKDATKEISAPTD	AKERSKATETAMSI	IEKAFGKGSIMKLGAE	SK.LDVQVSTGSLSLDL	ALGVGGIPRGR	72				
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....MAK..TETTSPND	DKKALA	AAVLEKLDKT	YGKGTVMKLG	DGTVDHNI	EVIPSGSLGLDL	ALGVGGYPKGR	68		
NTDB id 1245 Cj1673c YP 002345041.1	.....MDDN	KRKS	LDAALKS	LDKTFGKGTILRL	GDKEV.EQIDS	IGTGSVGLDL	ALGIGGVPKGR	59		
NTDB id 1211 C694 RS00795 WP 000963128.1	.....MAIDE	DKQK	AISLAIKQ	IDKVF	FGKGA	LVR	LGDKQV.EKIDS	ISTGSLGLDL	ALGIGGVPKGR	61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....MAIDE	DKQK	AISLAIKQ	IDKVF	FGKGA	LVR	LGDKQV.EKIDA	ISTGSLGLDL	ALGIGGVPKGR	61
NTDB id 1130 NGFG RS03960 WP 003688695.1MSD	DKSK	ALAAALAI	QIEKS	FGKGA	IMKMDGS	QQUEENLEV	ISTGSLGLDL	ALGVGGLPRGR	60	
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NTDB id 1427 RS RS02760 WP 011000510.1MEDG..KKAASMSA	EKQK	ALAAALAI	QIEKQ	FGKGS	IMKMG	DAEV.EPV	QVSTGSLGLD	VALGVGGLPRGR	68	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKS	SKNNT..VVKQ	VEPEQKKQ	QALEAALAI	QIEKQ	FGKGS	IMKLGQTEQ	.LDIES	VSTGSLGLDL	ALGIGGLPMGR	76
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NTDB id 1142 GTF74 RS11550 WP 000344154.1MDEN	KQK	ALAAALG	QIEKQ	FGKGS	IMRLG	DNRA.MDV	VETISTGSLSLDI	ALGAGGLPMGR	59	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....MDDN	KSK	ALQAALS	QIEKQ	FGKNT	VMRLG	DNTV.QAVE	AVSTGSLTLDI	ALGIGGLPKGR	59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	.....MDEN	KSK	ALQAALS	QIEKQ	FGKNT	VMRLG	DNTV.QAVE	AVSTGSLTLDI	ALGIGGLPKGR	59
NTDB id 1205 PSJM300 05545 AFN77183.1MDEN	KKR	ALAAALG	QIEKQ	FGKGV	MRMG	DHDR.QAIP	SISTGSLGLDI	ALGIGGLPKGR	59	
consensus		**	**	**	***!	***!	*****	*	***!***!***!***!***!***!	***!	

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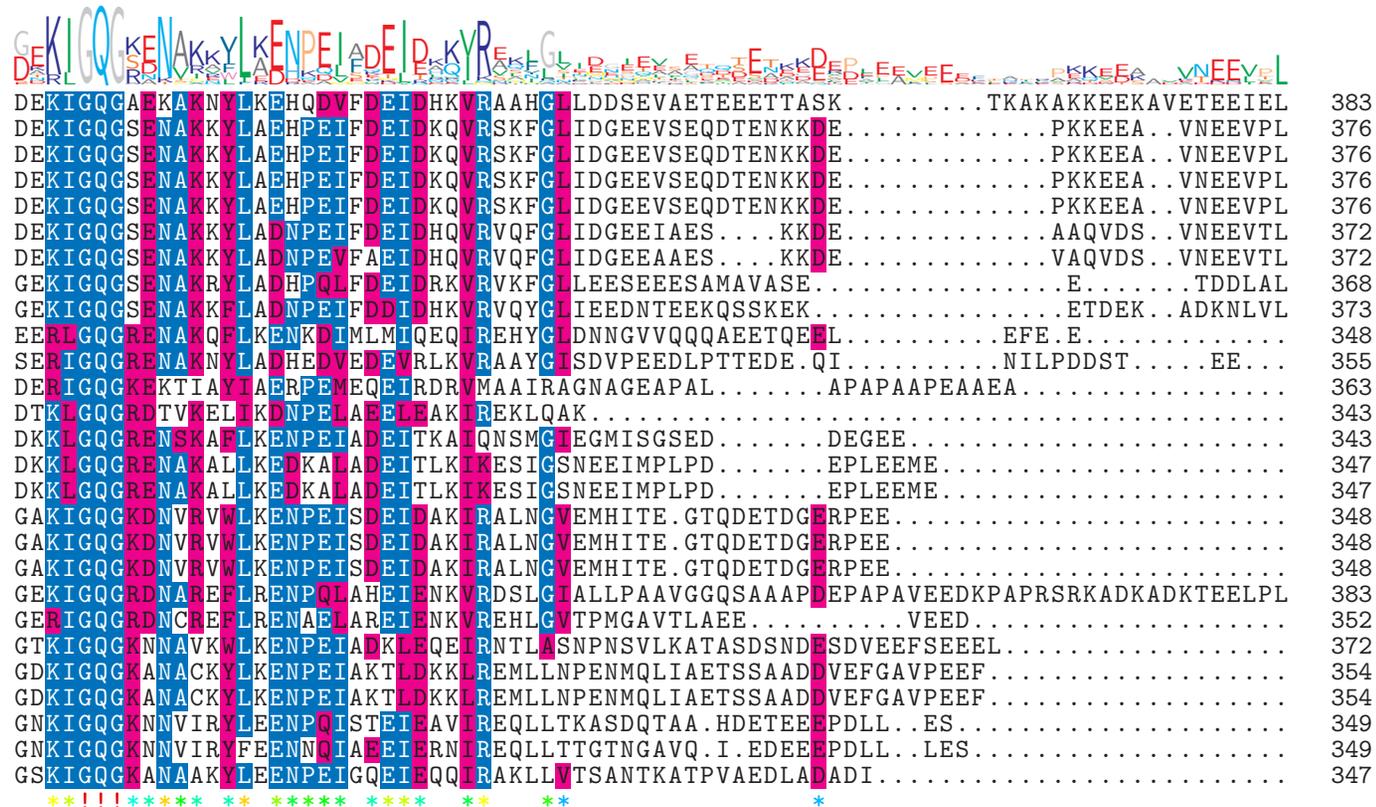


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NTDB id 269 KZH43 RS08665 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232		
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NTDB id 194 SPR RS08825 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232		
NTDB id 159 SP RS09750 WP 001085462.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232		
NTDB id 499 SM12261 RS08315 WP 078228268.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	G	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232		
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NTDB id 453 Spy49 1753c ACI62003.1	V	V	V	D	S	V	A	A	L	V	P	R	A	E	I	D	G	I	G	D	S	H	V	G	L	Q	A	R	M	S	Q	A	M	R	K	L	S	A	S	I	N	K	T	K	T	I	A	I	F	I	N	Q	L	R	E	K	V	G	V	M	.	F	G	N	P	E	T	T	P	G	G	R	A	L	K	F	Y	A	232		
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NTDB id 625 LCA RS02525 WP 011374196.1	L	V	V	D	S	V	A	A	L	V	P	R	A	E	I	E	G	E	M	G	D	A	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	S	G	T	I	N	K	T	K	T	I	A	L	F	I	N	Q	I	R	E	K	V	G	V	M	.	F	G	N	P	E	V	T	P	G	G	R	A	L	K	F	Y	S	219
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NTDB id 1245 Cj1673c YP 002345041.1	I	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	D	M	G	D	Q	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	I	V	H	K	M	N	T	T	V	I	F	I	N	Q	I	R	M	K	I	G	A	M	G	Y	G	T	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	219
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NTDB id 1130 NGFG RS03960 WP 003688695.1	V	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	H	I	K	T	N	T	L	V	V	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	S	219	
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NTDB id 1123 OK783 RS03845 WP 003688695.1	V	V	V	D	S	V	A	A	L	V	P	K	A	E	I	E	G	D	M	G	D	S	H	V	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	G	H	I	K	T	N	T	L	V	V	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	S	219	
NTDB id 280782 C7H73 RS01270 WP 106844995.1	I	V	I	D	S	V	A	A	L	T	P	K	A	E	I	E	G	E	M	G	D	Q	L	P	G	L	Q	A	R	L	M	S	Q	A	L	R	K	L	T	A	I	K	K	T	N	C	T	V	I	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	S	P	E	T	T	T	G	G	N	A	L	K	F	Y	A	228	
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NTDB id 1165 A1552VC RS01565 WP 000344154.1	I	V	V	D	S	V	A	A	L	T	P	K	A	E	I	E	G	E	M	G	D	S	H	M	G	L	Q	A	R	M	L	S	Q	A	M	R	K	L	T	G	N	L	K	Q	S	N	C	M	C	I	F	I	N	Q	I	R	M	K	I	G	V	M	.	F	G	N	P	E	T	T	T	G	G	N	A	L	K				

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consensus

-  non conserved
-  similar
-  ≥ 50% conserved