

logo

NTDB id 1313 DR RS12030 WP 010888966.1	.MSKD...ATKEISAPTDAKERSKATETAMSQIEKAFGKGSIMKLGAE.SKLDVQVVSTGSLSLDLALGVGGIPRGRIT	74
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK...KTNFDDITKKYGAERDKALADALALIEKDFGKGSIMRLGAE.ANQKVSVVSSGSLALDIALGAGGYPKGRIV	76
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NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK...PKKLEEISKKFGAEREKALNDALKLIEKDFGKGSIMRLGER.AEQKVQVMSSGSLALDIALGSGGYPKGRII	75
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NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKNFGKGSIMRMGEK.VDTQVSTVSSGSLALDEALGVGGYPRGRIV	62
NTDB id 78827 G6N00 RS00955 WP 008258595.1	MAQAPDREKALELAMAQIEKSYGKGSVMRLGDE.MRQPISVIPTGSTALDVALGIGGLPRGRVV	63
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKSLDKTFGKGTILRLGDK.EVEQIDSIGTGSVGLDLALGIGGVPKGRII	61
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKKQKATISLAIKQIDKVFVGKGALVRLGDK.QVEKIDSISTGSLGLDLALGIGGVPKGRII	63
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKKQKATISLAIKQIDKVFVGKGALVRLGDK.QVEKIDAISTGSLGLDLALGIGGVPKGRII	63
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKTETTSPNDKKKKALAAVLEKLDKTYGKGTVMKLGDTGVDHNIIEVIPSGSLGLDLALGVGGYPKGRIV	70
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTVVVKQVEPEQKKQKALEAALAQIEKQFGKGSIMKLGQT.EQLDIESVSTGSLGLDLALGIGGLPMGRIV	78
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGRIV	62
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQIEKSFGKGAIMKMDGSQQUEENLEVISTGSLGLDLALGVGGLPRGRIV	62
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKKKALAAALGQIEKQFGKGSIMRLGDN.RAMDVETISTGSLSLDIALGAGGLPMGRIV	61
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQFGKGAVMRMGDH.DRQAIPSIISTGSLGLDIALGIGGLPKGRIV	61
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRII	61
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSALQAALSQIEKQFGKNTVMRLGDN.TVQAVEAVSTGSLTLDIALGIGGLPKGRIV	61
consensus	*** **	

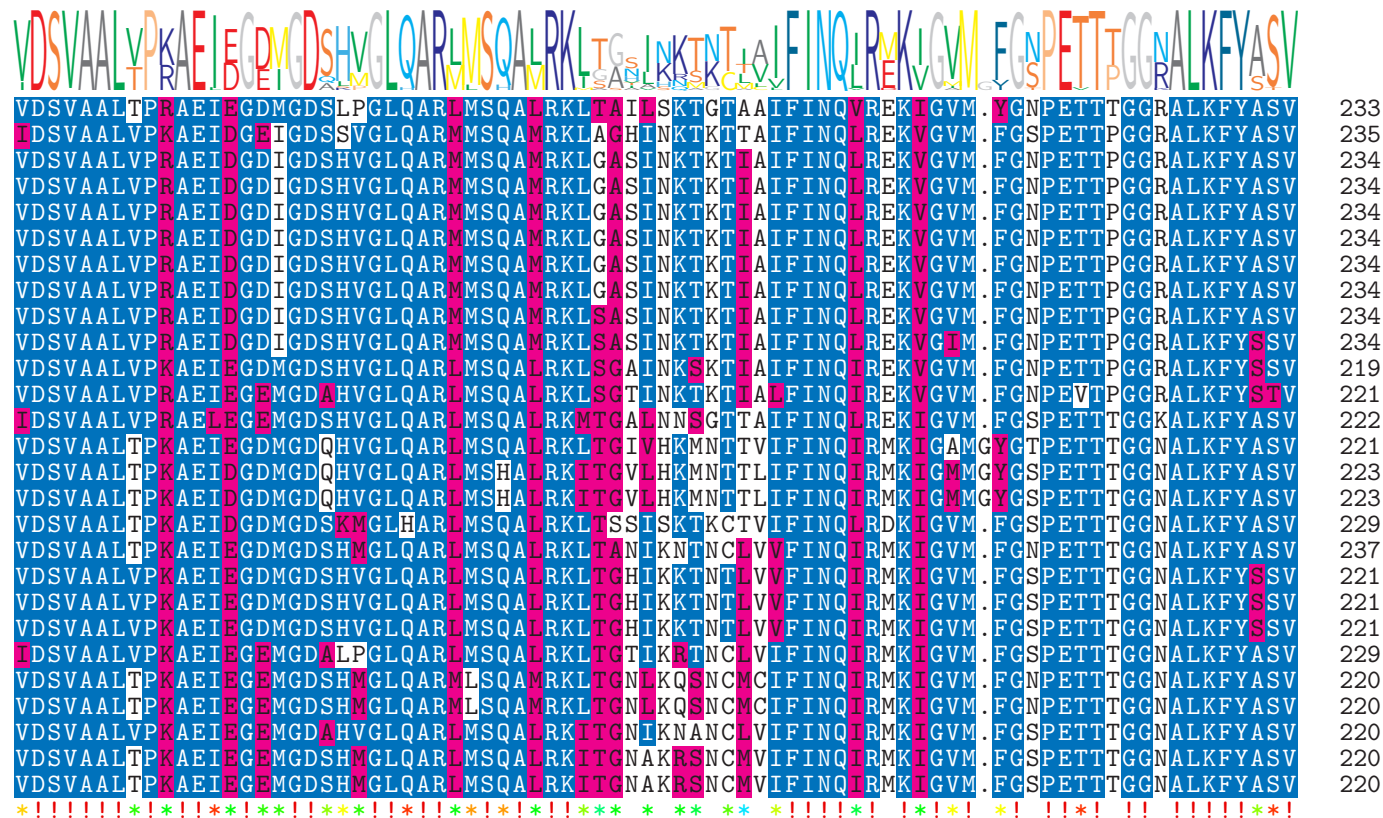
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NTDB id 1313 DR RS12030 WP 010888966.1	EIYGPESSGKTTT	154
NTDB id 600 KW2 RS01765 WP 011675413.1	EIYGPESSGKTTT	156
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIYGPESSGKTTT	155
NTDB id 228 SPD RS09265 WP 001085462.1	EIYGPESSGKTTT	155
NTDB id 194 SPR RS08825 WP 001085462.1	EIYGPESSGKTTT	155
NTDB id 159 SP RS09750 WP 001085462.1	EIYGPESSGKTTT	155
NTDB id 499 SM12261 RS08315 WP 078228268.1	EIYGPESSGKTTT	155
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIYGPESSGKTTT	155
NTDB id 453 Spy49 1753c ACI62003.1	EIYGPESSGKTTT	155
NTDB id 408 SMU RS09530 WP 002262392.1	EIYGPESSGKTTT	155
NTDB id 115 BSU 16940 NP 389576.2	EIYGPESSGKTTT	155
NTDB id 625 LCA RS02525 WP 011374196.1	EIYGPESSGKTTT	140
NTDB id 78827 G6N00 RS00955 WP 008258595.1	EIYGPESSGKTTT	142
NTDB id 1245 Cj1673c YP 002345041.1	EIYGPESSGKTTT	143
NTDB id 1211 C694 RS00795 WP 000963128.1	EIYGPESSGKTTT	141
NTDB id 1214 NCTC11637 00359 SQJ03206.1	EIYGPESSGKTTT	143
NTDB id 1334 RAOC RS04870 WP 004918236.1	EIYGPESSGKTTT	150
NTDB id 1389 A4U84 RS07560 WP 021112712.1	EIYGPESSGKTTT	158
NTDB id 1130 NGFG RS03960 WP 003688695.1	EIYGPESSGKTTT	142
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NTDB id 1123 OK783 RS03845 WP 003688695.1	EIYGPESSGKTTT	142
NTDB id 1427 RS RS02760 WP 011000510.1	EIYGPESSGKTTT	150
NTDB id 1165 A1552VC RS01565 WP 000344154.1	EIYGPESSGKTTT	141
NTDB id 1142 GTF74 RS11550 WP 000344154.1	EIYGPESSGKTTT	141
NTDB id 1205 PSJM300 05545 AFN77183.1	EIYGPESSGKTTT	141
NTDB id 1074 ABD1 RS10195 WP 000344167.1	EIYGPESSGKTTT	141
NTDB id 1022 ACIAD RS06390 WP 004925639.1	EIYGPESSGKTTT	141
consensus		

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NTDB id 1313 DR RS12030 WP 010888966.1
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NTDB id 269 KZH43 RS08665 WP 001085462.1
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NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
consensus

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NTDB id 1313 DR RS12030 WP 010888966.1	RLDVRKIGQ...PTKVGND	AVANTV	IKTVKNKV	AAFFKE	VELALV	YGKGF	QDLS	DLVGL	AADM	DI	IKK	AGS	FYSY	GDE	309		
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NTDB id 269 KZH43 RS08665 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	VAPPFKE	AVVE	IMYGE	GISK	TGEL	LKIAS	DL	DI	IKK	AGAW	YSYKDE	313		
NTDB id 228 SPD RS09265 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	VAPPFKE	AVVE	IMYGE	GISK	TGEL	LKIAS	DL	DI	IKK	AGAW	YSYKDE	313		
NTDB id 194 SPR RS08825 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	VAPPFKE	AVVE	IMYGE	GISK	TGEL	LKIAS	DL	DI	IKK	AGAW	YSYKDE	313		
NTDB id 159 SP RS09750 WP 001085462.1	RLDVRGNTQIKGTG.DQKETN	VGKETK	IKVVKNKV	VAPPFKE	AVVE	IMYGE	GISK	TGEL	LKIAS	DL	DI	IKK	AGAW	YSYKDE	313		
NTDB id 499 SM12261 RS08315 WP 078228268.1	RLDVRGSTQIKGTG.DQKDTN	VGKETK	IKVVKNKV	VAPPFKE	AFVE	IMYGE	GISK	TGEL	LKIAS	DL	DI	IKK	AGAW	YSYKDE	313		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	RLDVRGSTQIKGTG.DQKDTN	VGKETK	IKVVKNKV	VAPPFKE	AFVE	IMYGE	GISK	TGEL	LKIAS	DL	DI	IKK	AGAW	YSYKDE	313		
NTDB id 453 Spy49 1753c ACI62003.1	RLDVRGTTQIKGTG.DQKDSN	IGKETK	IKVVKNKV	VAPPFKE	AEVE	IMYGE	GISRT	TGEL	VKIAS	DL	DI	IKK	AGAW	FSYNGE	313		
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NTDB id 115 BSU 16940 NP 389576.2	RLEVRRAEQLKQGN.....	DVMGN	KTKIK	VVKNKV	VAPPFR	TAEV	DIMYGE	GISKE	GEI	IDL	GT	ELDI	VQKSG	SWSYEEEE	294		
NTDB id 625 LCA RS02525 WP 011374196.1	RLEVRRAETIKNGT.....	DMIGN	RARI	KVVKNKV	VAPPFKE	AEV	DIMYGG	GISRT	TGEL	VDMA	VEK	DI	INKSG	SWSYSGSE	296		
NTDB id 78827 G6N00 RS00955 WP 008258595.1	RMDVRRRIET....L.KDGTNA	VGNRT	RVKIV	VKNKV	SPPFKE	AEFD	DILYGR	GISREG	SLID	MG	VD	QGF	IRKSG	SWFTYE	297		
NTDB id 1245 Cj1673c YP 002345041.1	RLDVRKIVAT...L.KQNEEP	IGNRV	KVVKNKV	VAPPFR	QAEFD	DMFG	EGEL	SREGEL	IDY	GVKL	DI	VDK	SGAW	FSYKDK	296		
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NTDB id 1214 NCTC11637 00359 SQJ03206.1	RIDIRRIAA....L.KQNEQH	IGNRA	KA	VVKNKV	VAPPFRE	AEFD	DMFG	EGISKE	GEI	IDY	GVKL	DI	VDK	SGAW	LSYQDK	298	
NTDB id 1334 RAOC RS04870 WP 004918236.1	RIDIRRLSDTGKIKDKSGEV	IGNRT	KV	VVKNKV	VAPPFKE	SAEFD	DIMYGE	GVS	KVGE	ILD	VAT	DL	DI	IKKSG	SWFSYQDT	309	
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	RLDIRRTGA....I.KEGEEV	VGNET	RIK	VVKNK	IAAPFKE	ANTQ	IMYGG	GFN	REGEL	ID	LG	VKH	KMVEK	SGAW	YSYNGD	295	
NTDB id 1205 PSJM300 05545 AFN77183.1	RLDIRRTGA....V.KEGDEV	VGSET	RVK	VVKNKV	VAPPFR	QAEF	QILY	GKGI	YRN	GEI	ID	LG	VQ	GLVEK	SGAW	YAYKGS	295
NTDB id 1074 ABD1 RS10195 WP 000344167.1	RLDIRRIGQ....V.KEGDEI	VGSET	KV	VVKNK	MAPPFKE	AI	FQILY	GKGT	NQL	LGEL	VD	LAV	QQ	DIV	QKAGAW	YSYQGN	295
NTDB id 1022 ACIAD RS06390 WP 004925639.1	RLDIRRIGQ....V.KEGDEI	IGSET	KV	VVKNK	MAPPFRE	AI	FQILY	GKGV	NQL	LGEL	VD	LAV	QQ	NIV	QKAGAW	YSYQGN	295
consensus	!***!*	*	**	*****	!!!!!!	*****	!*	*	*****	!!	*****	*****	***	***	!	!!!!!!	!

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NTDB id 1313 DR RS12030 WP 010888966.1	RIGQGKEKTIAYIAERP	MEQEIR	DRVMAAIRAGNAGEAPALAPAP.....AAPEAAEA.....	363					
NTDB id 600 KW2 RS01765 WP 011675413.1	KIGQGAEKAKNYLKEHQDV	FEIDHDKVRAAHG	LLDDSEVAETEEETTASKT.KAKAKKEEKAVETEEIELELED.....	387					
NTDB id 269 KZH43 RS08665 WP 001085462.1	KIGQGS	ENAKKYLA	AEHPEIFFEIDDKQVRSKFGLIDGEEVSEQDTENKKDE.....PKKEEA..VNEEVPLDLGDELEIEI	386					
NTDB id 228 SPD RS09265 WP 001085462.1	KIGQGS	ENAKKYLA	AEHPEIFFEIDDKQVRSKFGLIDGEEVSEQDTENKKDE.....PKKEEA..VNEEVPLDLGDELEIEI	386					
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NTDB id 408 SMU RS09530 WP 002262392.1	KIGQGS	ENAKKFLA	DNPEIFDDIDHKVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLELDDTIELED	383					
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NTDB id 1211 C694 RS00795 WP 000963128.1	KLGGGR	ENAKALLK	EDKALADEITLKI	KESIGSNEEIMPLPDEP..LEEME.....	347				
NTDB id 1214 NCTC11637 00359 SQJ03206.1	KLGGGR	ENAKALLK	EDKALADEITLKI	KESIGSNEEIMPLPDEP..LEEME.....	347				
NTDB id 1334 RAOC RS04870 WP 004918236.1	KLGGGR	DTVKE	LKDNPELA	EELEAKIREKLQAK.....	343				
NTDB id 1389 A4U84 RS07560 WP 021112712.1	KIGQGR	KNNVAVKWL	KENPEIADKLEQEIR	NTLASNPNSVLKATASDSNDESDVVEEFSE.....EEL.....	372				
NTDB id 1130 NGFG RS03960 WP 003688695.1	KIGQGR	KDNVRVWL	KENPEISEIDAKIRAL	NGVEMHITEGTQDET.....DGERPE.....E.....	348				
NTDB id 1124 NGFG RS03960 WP 003688695.1	KIGQGR	KDNVRVWL	KENPEISEIDAKIRAL	NGVEMHITEGTQDET.....DGERPE.....E.....	348				
NTDB id 1123 OK783 RS03845 WP 003688695.1	KIGQGR	KDNVRVWL	KENPEISEIDAKIRAL	NGVEMHITEGTQDET.....DGERPE.....E.....	348				
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	KIGQGR	KNNVIRY	FEENNQIAEEI	ERNIREQLLTGTNGAVQ.I.EDEE	EPD..LLE.....S.....	349			
NTDB id 1022 ACIAD RS06390 WP 004925639.1	KIGQGR	KNNVIRY	LEENPQISTEIE	AVIREQLLTKASDQTAA.HDETEE	EPD..LLES.....	349			
consensus	***!!**	*****	**	*****	*****	**	**	*	

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NTDB id 1313 DR RS12030 WP 010888966.1	..	363
NTDB id 600 KW2 RS01765 WP 011675413.1	..	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	EE	388
NTDB id 228 SPD RS09265 WP 001085462.1	EE	388
NTDB id 194 SPR RS08825 WP 001085462.1	EE	388
NTDB id 159 SP RS09750 WP 001085462.1	EE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	EE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EE	384
NTDB id 453 Spy49 1753c ACI62003.1	..	378
NTDB id 408 SMU RS09530 WP 002262392.1	..	383
NTDB id 115 BSU 16940 NP 389576.2	..	348
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NTDB id 1074 ABD1 RS10195 WP 000344167.1	..	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	..	349

consensus

 non conserved
 similar
 ≥ 50% conserved