

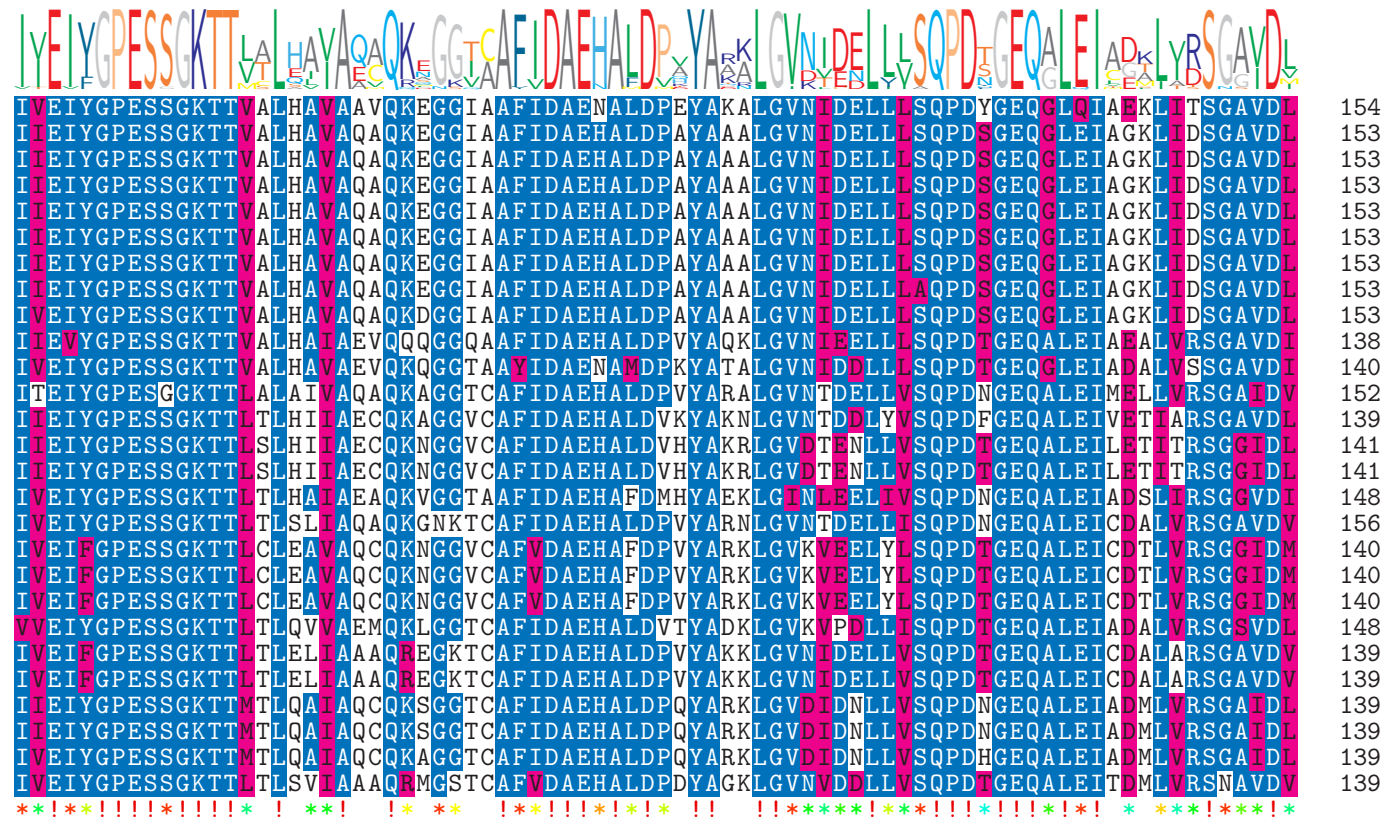
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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....KTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALD	I	ALGAGGY	PKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQ	VMSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....LKKNEEITKKFG	DERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQ	VMSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....IKKTEEITKKFG	DERKKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQ	VMSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALK	QIEKQFGKGSIMKLGEK	.TDTR	ISTVP	SGSLALD	T	ALGIGGY	PRGR	58
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKK	IEKNFGKGSIMRMGEK	.VDTQ	VSTVSSGSLAL	DEALGV	GGYPRGR			60
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD	AKERSKATETAM	SQIEKAFGKGSIMKLGAE	.SKLDV	QVVSTGSLSLD	I	ALGVGGI	PRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKS	LDKTFGKGTILRLGDK	.EVEQ	IDSIGTGSVGLD	I	ALGIGGV	PKGR		59
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKAI	SLAIKQIDKVF	FGKGALVRLGDK	.QVEK	IDAISTGSLGLD	I	ALGIGGV	PKGR	61
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKAI	SLAIKQIDKVF	FGKGALVRLGDK	.QVEK	IDSISTGSLGLD	I	ALGIGGV	PKGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTS	PNDDKKKALA	AVLEKLDKTYGKGTVMKLG	DGTVD	HNIEVIPSGSLGLD	I	ALGVGGY	PKGR	68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQ	VEPEQKKQALEA	AALQIEKQFGKGSIMKLGQT	.EQLD	IESVSTGSLGLD	I	ALGIGGL	PMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAA	AALQIEKSFGKGAIMKMDGSQ	QREENLEVISTGSLGLD	I	ALGVGGL	PRGR			60
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAA	AALQIEKSFGKGAIMKMDGSQ	QREENLEVISTGSLGLD	I	ALGVGGL	PRGR			60
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAA	AALQIEKSFGKGAIMKMDGSQ	QREENLEVISTGSLGLD	I	ALGVGGL	PRGR			60
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAAS	MSAEKQKALAA	AALQIEKQFGKGSIMKMDA	.EVEP	VQVVSTGSLGLD	I	ALGVGGL	PRGR	68
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQKALAA	ALGQIEKQFGKGSIMRLGDN	.RAMD	VETISTGSLSLD	I	ALGAGGL	PMGR		59
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAA	ALGQIEKQFGKGSIMRLGDN	.RAMD	VETISTGSLSLD	I	ALGAGGL	PMGR		59
NTDB id 326725 EGM96 RS10210 WP 000344169.1	MDENKSKALQA	ALSQIEKQFGKNTVMRLGDN	.TVQ	AVEAVSTGSLTLD	I	ALGIGGL	PKGR		59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQA	ALSQIEKQFGKNTVMRLGDN	.TVQ	AVEAVSTGSLTLD	I	ALGIGGL	PKGR		59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKSKALQA	ALSQIEKQFGKNTVMRLGDN	.TVQ	AVEAVSTGSLTLD	I	ALGIGGL	PKGR		59
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAA	ALGQIEKQFGKGAVMRMGDH	.DRQA	IPSISTGSLGLD	I	ALGIGGL	PKGR		59
consensus	***	***	*	***!	***!	***!	***!	***!	

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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
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 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC 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 01100051.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 326725 EGM96 RS10210 WP 000344169.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

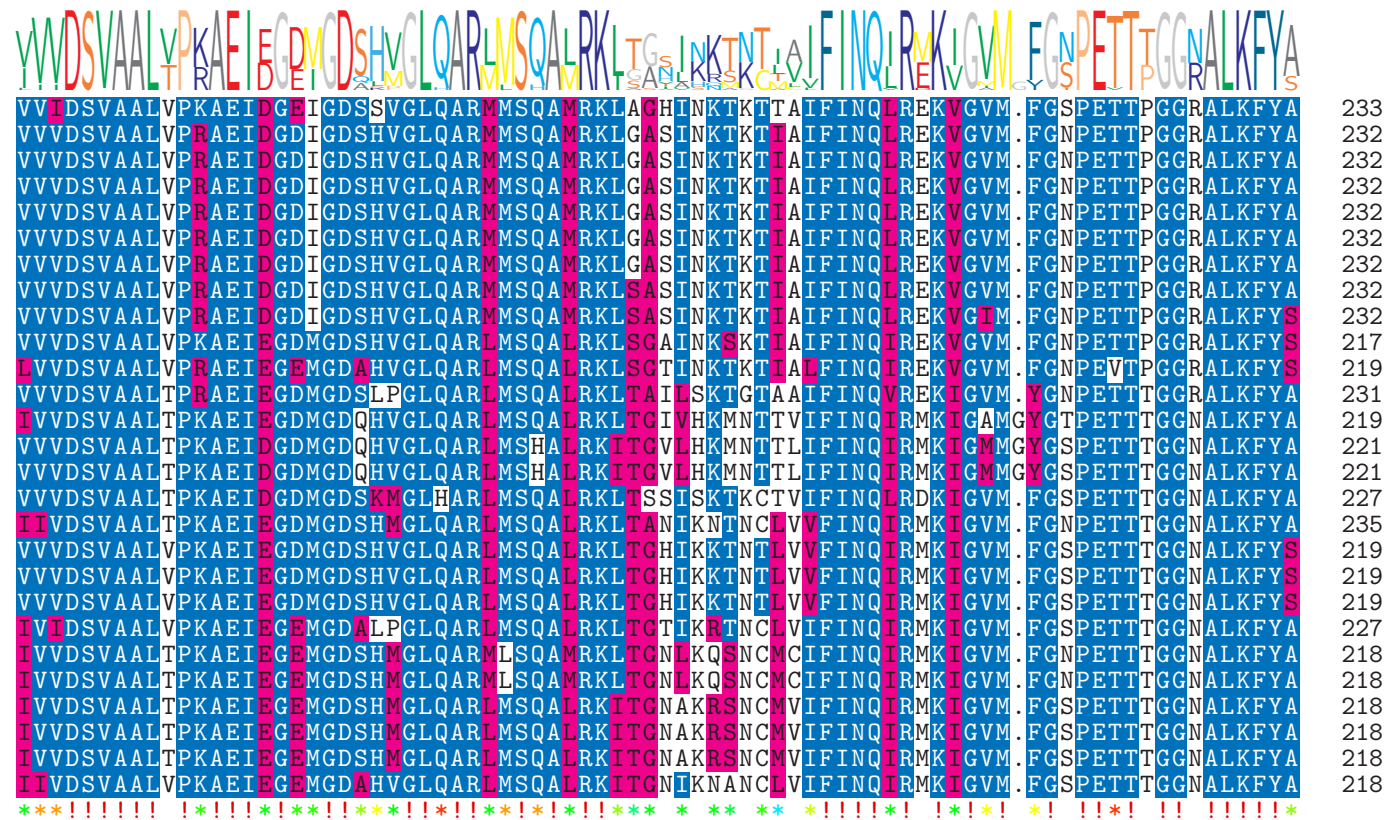
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NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
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NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
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NTDB id 1130 NGFG RS03960 WP 003688695.1
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NTDB id 1427 RS RS02760 WP 011000510.1
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NTDB id 326725 EGM96 RS10210 WP 000344169.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRG	STKIEEGS	.GDNKTQ	IGKITK	IKVVKNKVAPPF	KVALV	DIMF	GEGIS	STGEL	INIAVEEG	ITKKSGAW	FAYN	312																																																																																																																																																																																																																																																																										
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVV	EIMY	GEGISK	TGELL	KIASDL	DIKKAGAW	YSYK	311																																																																																																																																																																																																																																																																										
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVV	EIMY	GEGISK	TGELL	KIASDL	DIKKAGAW	YSYK	311																																																																																																																																																																																																																																																																										
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVV	EIMY	GEGISK	TGELL	KIASDL	DIKKAGAW	YSYK	311																																																																																																																																																																																																																																																																										
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRG	NTQIKGTG	.DQKETN	VGKETK	IKVVKNKVAPPF	KEAVV	EIMY	GEGISK	TGELL	KIASDL	DIKKAGAW	YSYK	311																																																																																																																																																																																																																																																																										
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKVAPPF	KEAFV	EIMY	GEGISK	TGELL	KIASDL	DIKKAGAW	YSYK	311																																																																																																																																																																																																																																																																										
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRG	STQIKGTG	.DQKDTN	VGKETK	IKVVKNKVAPPF	KEAFV	EIMY	GEGISK	TGELL	KIASDL	DIKKAGAW	YSYK	311																																																																																																																																																																																																																																																																										
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRG	TQIKGTG	.DQKDS	IGKETK	IKVVKNKVAPPF	KVAEV	EIMY	GEGISRT	GELV	KIASDL	DIQKAGAW	FSYN	311																																																																																																																																																																																																																																																																										
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRG	NTQIKGTG	.EQKDSN	IGKETK	IKVVKNKVAPPF	KEAFV	EIIY	GEGISRT	GELV	KIASDL	GIIQKAGAW	YSYN	311																																																																																																																																																																																																																																																																										
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRA	AEQLKQGN	D	MGNKTK	IKVVKNKVAPPF	RTAEV	DIMY	GEGISKEGE	IIDL	GT	ELDIV	QKSGSW	YSYE	292																																																																																																																																																																																																																																																																									
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRA	ETIKNGT	D	MGNKTK	IKVVKNKVAPPF	KVAEV	DIMY	GGISRT	GELV	DMAVEK	DIINKSGS	WYSYG	294																																																																																																																																																																																																																																																																										
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRK	IGQ....	PTKVG	ND	AVANTV	KIKTKV	KNKVA	APFKE	VELAL	LVY	GKGF	DQLSD	LVGL	AADMD	ITKKAG	SFYSYG	307																																																																																																																																																																																																																																																																						
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRK	VAT....	L.KQN	EEP	IGNRVK	VKVVKV	KNKVAPPF	RQAEF	DVMF	GEGLS	REGEL	IDY	GVKL	DIV	DKSGAW	F	SYK	294																																																																																																																																																																																																																																																																					
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRI	AA....	L.KQN	EQH	IGNRAK	AKVVKNKVAPPF	REAEF	DIMF	GEGISKEGE	IIDY	GVKL	DIV	DKSGAW	LSYQ	296																																																																																																																																																																																																																																																																								
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRI	AS....	L.KQN	EQH	IGNRAK	AKVVKNKVAPPF	REAEF	DIMF	GEGISKEGE	IIDY	GVKL	DIV	DKSGAW	LSYQ	296																																																																																																																																																																																																																																																																								
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRS	LSDTG	KIKDKS	GEV	IGNRTK	VKVVKV	KNKVAPPF	KSAEF	DIMY	GEGVSK	VGEILD	VAT	DL	DI	IKKS	GSWF	SYQ	307																																																																																																																																																																																																																																																																					
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRR	CGV....	V.KDG	DEI	IGSETK	VKVVKV	KNKVAPPF	REVQF	DIMY	GEGISRM	NELL	ILAE	ANGF	ITKKSGAW	F	SYD	310																																																																																																																																																																																																																																																																						
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRR	TGS....	I.KKG	EEV	LGNETR	VKV	IKNKV	APPFR	QAEF	DILY	GEGISW	EGEL	ID	IGV	KNDI	INKS	GAW	SYN	294																																																																																																																																																																																																																																																																				
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRR	TGS....	I.KKG	EEV	LGNETR	VKV	IKNKV	APPFR	QAEF	DILY	GEGISW	EGEL	ID	IGV	KNDI	INKS	GAW	SYN	294																																																																																																																																																																																																																																																																				
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRR	TGS....	I.KKG	EEV	LGNETR	VKV	IKNKV	APPFR	QAEF	DILY	GEGISW	EGEL	ID	IGV	KNDI	INKS	GAW	SYN	294																																																																																																																																																																																																																																																																				
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRR	IGS....	I.KKG	DEV	VGNETK	VKVVKV	KNKVAPPF	REAI	F	DILY	GAGV	SREGE	IIDL	GV	EAKV	VVEK	SGAW	SYN	302																																																																																																																																																																																																																																																																				
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRR	TGA....	I.KEG	EEV	VGNETR	IKVVKNK	IAAPF	KEANTQ	IMY	QGFN	REGEL	ID	LG	VKHK	MVEK	SGAW	SYN	293																																																																																																																																																																																																																																																																					
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRR	TGA....	I.KEG	EEV	VGNETR	IKVVKNK	IAAPF	KEANTQ	IMY	QGFN	REGEL	ID	LG	VKHK	MVEK	SGAW	SYN	293																																																																																																																																																																																																																																																																					
NTDB id 326725 EGM96 RS10210 WP 000344169.1	SVRLDIRR	IGQ....	V.KEG	DEI	VGSETK	VKVVKN	KMAPPF	KEAIFQ	ILY	GKGT	NQLG	EL	VD	LAV	QQD	IVQK	KAGAW	SYQ	293																																																																																																																																																																																																																																																																				
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRR	IGQ....	V.KEG	DEI	VGSETK	VKVVKN	KMAPPF	KEAIFQ	ILY	GKGT	NQLG	EL	VD	LAV	QQD	IVQK	KAGAW	SYQ	293																																																																																																																																																																																																																																																																				
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRR	IGQ....	V.KEG	DEI	IGSETK	VKVVKN	KMAPPF	KEAIFQ	ILY	GKGV	NQLG	EL	VD	LAV	QQN	IVQK	KAGAW	SYQ	293																																																																																																																																																																																																																																																																				
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRR	TGA....	V.KEG	DEV	VGSETR	VKVVKV	KNKVAPPF	RQAEFQ	Q	ILY	GKGI	YRN	GE	IIDL	GV	QQGL	LVEK	SGAW	AYK	293																																																																																																																																																																																																																																																																			
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NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEE	TTASKTK	..AKAKKEEKAVETEEIELELED..	387		
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	LIDGEEVSEQDTE	NKKDE	PKKEEA..VNEEVPLDLGDEL	382		
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	LIDGEEVSEQDTE	NKKDE	PKKEEA..VNEEVPLDLGDEL	382		
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	LIDGEEVSEQDTE	NKKDE	PKKEEA..VNEEVPLDLGDEL	382		
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	LIDGEEVSEQDTE	NKKDE	PKKEEA..VNEEVPLDLGDEL	382		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLADNPEVFAE	IDHQVRVQFGL	LIDGEEAAE	SKKDE	VAQVDS..VNEEVTLDLGDEL	378		
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLADNPEIF	DEIDHQVRVQFGL	LIDGEEIAE	SKKDE	AAQVDS..VNEEVTLDLGDEL	378		
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEESAMAV	ASE	E.....TDDLALDLNGI	374		
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSS	KEK	ETDEK..ADKNLVLELDDTI	379		
NTDB id 115 BSU 16940 NP 389576.2	EERLGGG	RENAKQFLKENKDIM	LMIQEQIREHYGL	DNNGVVQQAAEE	TQEEL	E..FE.E.....	348		
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQG	RENAKNYLADHEDVE	DEVRLKVRAAYG	ISDVPPEEDLPTTE	DE	QI.N..ILPDDST....EE	355		
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQG	KEKTIAYIAERP	MEQEIRDRVMAAIR	AGNAGEAPALAPAPA	AEAAEA	.....	363		
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGGG	RENSKAFLENPEIA	DEITKAIQNSMG	TEGMISGS	..EDDEGE	..E.....	343		
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGG	RENAKALLKEDKAL	ADEITLKI	KESIGSNEEIMPL	..PDEPLE	..EME.....	347		
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGGG	RENAKALLKEDKAL	ADEITLKI	KESIGSNEEIMPL	..PDEPLE	..EME.....	347		
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGG	RDTVKELIKDNPEL	AEELEAKIREKLQAK	.....	.....	.....	343		
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQG	KNNAVKWLKENPEIA	DKLEQEIRNTLAS	NPNSVLK	..ATASDSND	ESDVVEEFSE.....EEL	372		
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNG	VEMHITEG	..TQDET	D.....GERPE.....E	348		
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNG	VEMHITEG	..TQDET	D.....GERPE.....E	348		
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQG	KDNVRVWLKENPEIS	DEIDAKIRALNG	VEMHITEG	..TQDET	D.....GERPE.....E	348		
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQG	RDNCREFLRENAEL	AREIENKVRHL	GVTPMGAV	..TLAEEVEED	.....	352		
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQG	KANACKYLKENPEIA	KTLDKKLREMLLN	PENMQLI	..AETSSAAD	DVEFGAVPE.....EF	354		
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQG	KANACKYLKENPEIA	KTLDKKLREMLLN	PENMQLI	..AETSSAAD	DVEFGAVPE.....EF	354		
NTDB id 326725 EGM96 RS10210 WP 000344169.1	GNKIGQG	KNNVIRYFEENTQIA	EEIERNIREQLLT	TGTNGAV	..Q.I.EDEE	EPD..LLE.....S	349		
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQG	KNNVIRYFEENNQIA	EEIERNIREQLLT	TGTNGAV	..Q.I.EDEE	EPD..LLE.....S	349		
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQG	KNNVIRYLEENPQIS	TEIEAVIREQLLT	KASDQTA	..A.HDETEE	EPD..LLES.....	349		
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQG	KANAAYLLEENPEI	GQIEEQIRAKLL	VTSANTKA	..TPVAEDLAD	AD..I.....	347		
consensus	***!!!	*****	**	*****	*****	**	*	*	*

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			E	I	E	E	E	
NTDB id 600 KW2 RS01765 WP 011675413.1		387						
NTDB id 269 KZH43 RS08665 WP 001085462.1	EIEIEE	388						
NTDB id 228 SPD RS09265 WP 001085462.1	EIEIEE	388						
NTDB id 194 SPR RS08825 WP 001085462.1	EIEIEE	388						
NTDB id 159 SP RS09750 WP 001085462.1	EIEIEE	388						
NTDB id 527 SMSK321 RS11065 WP 001085454.1	EIEIEE	384						
NTDB id 499 SM12261 RS08315 WP 078228268.1	EIEIEE	384						
NTDB id 453 Spy49 1753c ACI62003.1	EIED..	378						
NTDB id 408 SMU RS09530 WP 002262392.1	ELED..	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 1214 NCTC11637 00359 SQJ03206.1	.....	347						
NTDB id 1211 C694 RS00795 WP 000963128.1	.....	347						
NTDB id 1334 RAOC RS04870 WP 004918236.1	.....	343						
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 326725 EGM96 RS10210 WP 000344169.1	.....	349						
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								

-  non conserved
-  similar
-  ≥ 50% conserved