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consensus		

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consensus		

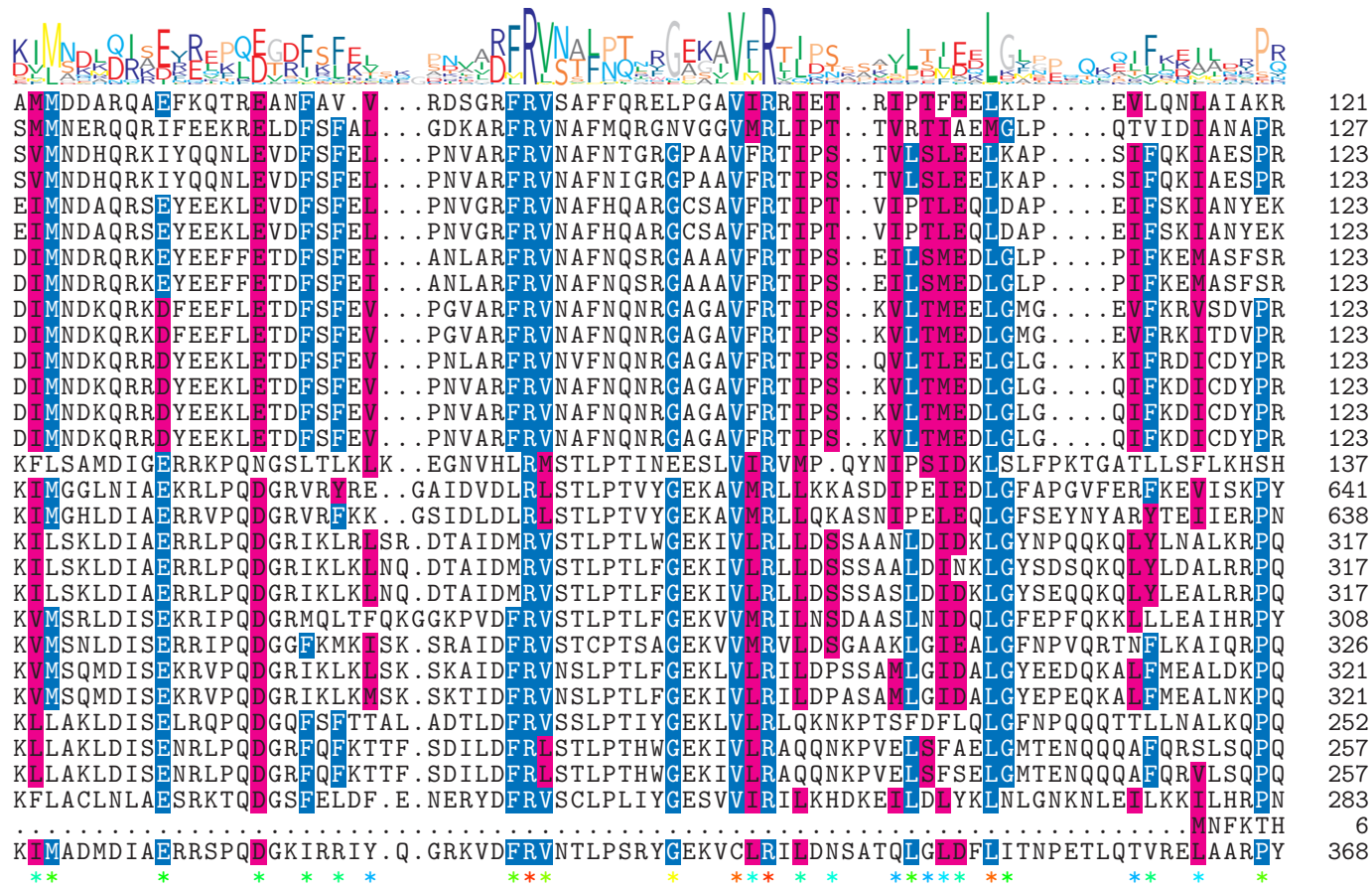
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NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDIHSS...GISPMIRVHGDMRR.INLP EMSAAEEVG NMVT	52
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NTDB id 1355 HI 0298 AAC21962.1	HQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETADQFQVRFRIDGVLQP.QPLISKIFANRLISRL	178
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NTDB id 142572 ClErT RS08685 WP 082160388.1		0
NTDB id 1410 SGL RS13950 WP 010873519.1	NLGEDKEDVDNALDSNDANQAPVINLVNKLAKALQEGTSDIHVEPQEETIRIRFRK D GVLNQAFDPLPRKITPAVVARF	290
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NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GCO85 RS07725 WP 011946523.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1384 A4U84 RS08525 WP 010787006.1
NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 1355 HI 0298 AAC21962.1
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1
NTDB id 142572 CleRt RS08685 WP 082160388.1
NTDB id 1410 SGL RS13950 WP 010873519.1
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	LGEIRSR	ETMEY	AMTFA	ETGHL	CMAT	TLHAN	MANQA	LERI	LHT	VPKE	QREQ	FLLD	LSLNL	KGVIA	QQQL	LRD		269	
NTDB id 1307 DR RS10055 WP 010888596.1	VGEMRD	YETIKA	AVTAA	ETGHL	VMGT	TLHTN	SAPES	IDRI	VDV	FPPE	EQE	QIRV	QLAN	NLVAV	MTQQ	QLLP	.....	275	
NTDB id 1116 NGFG RS10615 WP 003690200.1	VGEMRD	PETIGL	ALTA	ETGHL	VFGT	TLHTT	GAAKT	VDRI	VDV	FPAGE	KEMV	RSML	SESL	TAVIS	QNLL	LKT	.....	271	
NTDB id 1086 NMV RS00245 WP 002218487.1	VGEMRD	PETIGL	ALTA	ETGHL	VFGT	TLHTT	GAAKT	VDRI	VDV	FPAGE	KEMV	RSML	SESL	TAVIS	QNLL	LKT	.....	271	
NTDB id 1185 GTF74 RS11940 WP 000350195.1	VGELRD	QETISL	ALTA	ETGHL	VFGT	TLHTS	SAAKT	IDRI	IDV	FPGS	DKDM	VRSML	SESL	RAVIA	QKLL	LKR	.....	271	
NTDB id 1176 A1552VC RS01160 WP 000350195.1	VGELRD	QETISL	ALTA	ETGHL	VFGT	TLHTS	SAAKT	IDRI	IDV	FPGS	DKDM	VRSML	SESL	RAVIA	QKLL	LKR	.....	271	
NTDB id 1283 ACE17W RS02630 WP 010947729.1	VGELRD	LETIRL	AMTAA	ETGHL	VFGT	TLHTN	SATKT	INRI	IDV	FPAA	EKSM	VRSML	SESL	QAVVA	QSLL	LKK	.....	271	
NTDB id 1259 GCO85 RS10305 WP 010947729.1	VGELRD	LETIRL	AMTAA	ETGHL	VFGT	TLHTN	SATKT	INRI	IDV	FPAA	EKSM	VRSML	SESL	QAVVA	QSLL	LKK	.....	271	
NTDB id 1194 PAKAF RS01995 WP 003084552.1	VGEMRD	LETIRL	ALTA	ETGHL	VFGT	TLHTT	SAAKT	IDRV	VVDV	FPAA	EKAM	VRSML	SESL	QAVIS	QTLL	LKK	.....	271	
NTDB id 1202 PSJM300 01600 AFN76400.1	VGEMRD	LETIRL	ALTA	ETGHL	VFGT	TLHTT	SAAKT	IDRV	VVDV	FPAA	EKAM	VRSML	SESL	QAVIS	QTLL	LKK	.....	271	
NTDB id 1020 ACIAD RS04210 WP 011182164.1	VGEMRD	LETIRL	ALTA	ETGHL	VFGT	TLHTT	SAAKT	IDRI	IDV	FPAA	EKDM	VRTML	SESL	QAVIS	QTLL	LKK	.....	271	
NTDB id 1060 ABD1 RS04380 WP 000355489.1	VGEMRD	LETIRL	ALTA	ETGHL	VFGT	TLHTT	SAAKT	IDRV	IDV	FPAA	EKDM	VRAML	SESL	QAVIS	QTLL	LKK	.....	271	
NTDB id 1040 HON27 RS13360 WP 000355489.1	VGEMRD	LETIRL	ALTA	ETGHL	VFGT	TLHTT	SAAKT	IDRV	IDV	FPAA	EKDM	VRAML	SESL	QAVIS	QTLL	LKK	.....	271	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	VGEMRD	LETIRL	ALTA	ETGHL	VFGT	TLHTT	SAAKT	IDRV	IDV	FPAA	EKDM	VRAML	SESL	QAVIS	QTLL	LKK	.....	271	
NTDB id 96 BSU 24730 NP 390353.1	LGEIRD	AEIAE	IAVRA	AMTGH	LVLT	SLHTR	DAKGA	IYRL	LEFGI	.....	NMNE	IEQTV	IAIA	AQRL	VDLAC	PFCENG	CSCS	286	
NTDB id 1028 TT RS08215 WP 011173991.1	VGEIRD	SETAKI	ATEA	ALTGH	LVIA	TLHTN	DAAQA	ITRL	DEM	GV	.....	EPFN	ISAAL	ICVLS	QRLVR	RVCEH	CKVEV	788	
NTDB id 1306 DR RS10060 WP 027479822.1	VGEIRD	QETAKI	AVEA	ALTGH	VLAT	TLHTN	DAPGA	VTRL	EEM	GI	.....	ENFN	ISAAM	VCVLA	QRLVR	RVCE	CKQPT	785	
NTDB id 1168 A1552VC RS11070 WP 000957200.1	VGEIRD	LEIAE	IAVKA	AQTGH	LVLS	TLHTN	SAAET	VIIRL	ANM	GV		EPFN	LASS	SLSL	IAQRL	LARR	LCKH	CKIAV	464
NTDB id 1401 DSB67 RS12665 WP 010643259.1	VGEIRD	LDIAE	IAIKAS	QTGH	LVLS	TLHTN	SAAET	VIIRL	SNM	GV		ESFN	LASS	SLSL	IAQRL	LARK	LCPY	CRQPQ	464
NTDB id 1293 VP RS12240 WP 005479695.1	VGEIRD	LDIAE	IAIKAS	QTGH	LVLS	TLHTN	SAAET	VIIRL	SNM	GV		ESFN	LASS	SLSL	IAQRL	LARK	LCPY	CKQPQ	464
NTDB id 1110 NGFG RS09235 WP 003689817.1	VGEIRD	LEADIA	IAKAA	QTGH	LVFS	TLHTN	NAPAT	LSRML	NM	GV		APFN	IASS	VSLI	MAQRL	LRRL	CSSC	KQVEE	456
NTDB id 1251 GCO85 RS07725 WP 011946523.1	VGEIRD	LEADIA	IAKAA	QTGH	LVLS	TLHTN	SAAET	TLNRL	VNM	GI		PTFN	IASS	VTLI	IAQRL	LARK	LCNQ	CKAVR	474
NTDB id 1058 ABD1 RS01615 WP 001274986.1	VGEIRD	LEADIA	IAKAA	QTGH	LVMS	TLHTN	SAPET	TLTRL	RMN	GV		PSFN	IATSV	NLVIA	QRLAR	RLCS	QCKIP	A	468
NTDB id 1018 ACIAD RS01685 WP 004920473.1	VGEIRD	LEADIA	IAKAA	QTGH	LVMS	TLHTN	NAAET	TLTRL	RMN	GV		ASFN	IATSV	NLVIA	QRLAR	RLCS	QCKRP	I	468
NTDB id 1384 A4U84 RS08525 WP 010787006.1	LGEIRD	DEESAK	MAIRAS	QTGH	LVLS	TLHTN	DALSA	VERLL	QLGI	.....	QEYE	IQNS	LLLV	IAQRL	VRKL	CKKCR	GVG	399	
NTDB id 1366 NTHI RS01950 WP 011271972.1	LGEIRD	DEESAR	IALRA	AQTGH	LVLS	TLHTN	DAISAT	SRLQ	QLGI	.....	QQHE	TENS	LLLVI	IAQRL	VRKIC	PKCG	GNL	404	
NTDB id 1355 HI 0298 AAC21962.1	LGEIRD	DEESAM	IALRA	AQTGH	LVLS	TLHTN	DAISAT	SRLQ	QLGI	.....	QQYE	IKNS	LLLV	IAQRL	VRKL	CSKC	GNL	404	
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1	LGEIRD	DEESLD	IAKASL	TGHL	LLS	TLHTN	DALST	IDRL	EDM	QA		KSYL	IASAL	SLVIA	QRLVR	KLCP	WCKQ	KS	430
NTDB id 142572 CleRt RS08685 WP 082160388.1																			57
NTDB id 1410 SGL RS13950 WP 010873519.1	VGETRD	KETAKT	ATIEA	ALTGH	LVLT	TLHTN	DAGAT	ATRI	DEM	GV		EPFM	VSGSL	LCVLA	QRLMR	KVCTE	CRIAY	515	
consensus	*****	**	***	**	*****	*****	*	*	*	*****	*	*	*	*****	*****	*****			

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	KNGKGRHGVFEVLLNSPRADLIRRGELHELK	301
NTDB id 1307 DR RS10055 WP 010888596.1	ADGQGRVLAYEILLANPAVRALIREGKTFQIT	307
NTDB id 1116 NGFG RS10615 WP 003690200.1	HDGNGRVASHEILLIANPAVRNLIRENKITQIN	303
NTDB id 1086 NMV RS00245 WP 002218487.1	HDGNGRVASHEILLIANPAVRNLIRENKITQIN	303
NTDB id 1185 GTF74 RS11940 WP 000350195.1	VGGGRVACHEIMLATPATRNLIREDKVAQMY	302
NTDB id 1176 A1552VC RS01160 WP 000350195.1	VGGGRVACHEIMLATPATRNLIREDKVAQMY	302
NTDB id 1283 ACE17W RS02630 WP 010947729.1	NKGGRVAALEIMMCTGATRNLIREDKIAQMY	302
NTDB id 1259 GCO85 RS10305 WP 010947729.1	NKGGRVAALEIMMCTGATRNLIREDKIAQMY	302
NTDB id 1194 PAKAF RS01995 WP 003084552.1	IGGGRVAAHEIMIGTPATRNLIREDKVAQMY	302
NTDB id 1202 PSJM300 01600 AFN76400.1	VGGGRVAAHEIMIGTPATRNLIREDKVAQMY	302
NTDB id 1020 ACIAD RS04210 WP 011182164.1	EGGGRVAAHEIMIGIPATRNLIREGKVAQMY	302
NTDB id 1060 ABD1 RS04380 WP 000355489.1	NGGGRVAAHEIMIGIPATRNLIRENKVAQMY	302
NTDB id 1040 HON27 RS13360 WP 000355489.1	NGGGRVAAHEIMIGIPATRNLIRENKVAQMY	302
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	NGGGRVAAHEIMIGIPATRNLIRENKVAQMY	302
NTDB id 96 BSU 24730 NP 390353.1	SVYCRQSRNTRRASVYELLYGKNLQQCIQEAKGNHA..	322
NTDB id 1028 TT RS08215 WP 011173991.1	KPDPETLRRRLGLSEAEIQG.....ARLYKGMGCERCGGTGKGRVAIHELLVVDDEIRHATVAGKSATEI	853
NTDB id 1306 DR RS10060 WP 027479822.1	NADPEVLRRRLGISERDIRG.....ANLMRGTGCPRCGGTGKGRMGIHEIMVMDDSLRRTIGAGRPAAEI	850
NTDB id 1168 A1552VC RS11070 WP 000957200.1	RPSALLQSQFAFQPNEIL.....YEANAAGCNECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQI	526
NTDB id 1401 DSB67 RS12665 WP 010643259.1	EPNSQLQH.IGIANTEQI.....FQANPDGCNECT.HGYSGRTCIYEVMKFDESISEALIKGASVHEL	525
NTDB id 1293 VP RS12240 WP 005479695.1	EHTVQLQH.LGIQTDDNI.....FRANPDGCNECT.HGYSGRTCIYEVMRFDESISEALIKGASVHEL	525
NTDB id 1110 NGFG RS09235 WP 003689817.1	RPSASALKEVGFTDEDLAK.....DWKLYRAVGCDRCRGQGYKGRACVYEVMPISEEMQRVIMNNGTEVGI	522
NTDB id 1251 GCO85 RS07725 WP 011946523.1	DFTNQGLIELGFKEADLV.....NLKLYKAVGCEQCT.SGYRGRVGLFEVLPMTKEIGQLIMSGGNSLDI	538
NTDB id 1058 ABD1 RS01615 WP 001274986.1	DIPKQSLLEMGFTEQDLAH.....PDFRVFPVPGCLECR.EGYKGRVGIYEVMKVTPESKIMEDGNALEI	534
NTDB id 1018 ACIAD RS01685 WP 004920473.1	QVPERSLLEMGFTPEDLAQ.....PEFQIFEPVGCCHDCR.EGYKGRVGIYEVMKITPEISKIMEDGNALEI	534
NTDB id 1384 A4U84 RS08525 WP 010787006.1	CDEC.YQGYRGRICVYQCLSRATAKKFD.....	425
NTDB id 1366 NTHI RS01950 WP 011271972.1	INSCDC.HQGYRGRICVYQFLHWQQNGY.....	431
NTDB id 1355 HI 0298 AAC21962.1	ANSCDC.HQGYRGRICVYQFLHWQQNDY.....	431
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1	KKHYIEFE.....G.....EFFEPKGCERCHHSGFFGRELIAECLEINEDACATRENQDKTIL	484
NTDB id 142572 ClErT RS08685 WP 082160388.1	.....	57
NTDB id 1410 SGL RS13950 WP 010873519.1	HPSKEELSRFGLSASGDEVVTFYKANSLSPPDEIHLARQKGNLCQKCSGSGYKGRVGVYEVMRNSERTAEILINQGATTDRI	595
consensus		

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	ATMARSQEVCMQTFDQALYQLVDDKISEQIALHSADSANDLRLMLKTK.....RG	352
NTDB id 1307 DR RS10055 WP 010888596.1	SVMQTGAREGMVTMDAYLAGLFRRHITTYDKGLERAID.PKEFARLANDASAGLGASMTPAAPPVPAYNSASSSSSTGRG	386
NTDB id 1116 NGFG RS10615 WP 003690200.1	SVLQTGGQASCMQTMDDQSLQSLVRQGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	SVLQTGGQASCMQTMDDQSLQSLVRQGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	SIIQTGAAGCMQTMENQNAKQLIARCVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	SIIQTGAAGCMQTMENQNAKQLIARCVVDAQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	SSIQTGQAKCMQTLDDQHLTELVNKNLISKHTAHEAALN.KSLF.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	SSIQTGQAKCMQTLDDQHLTELVNKNLISKHTAHEAALN.KSLF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	SATQTGGSLCMQTLDMCLKGLVAKCLISRENAREKAKI.PENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	SSIQTGGSLCMQTLDDCLKGLLAKCLISRDSAKEKAKQ.PENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	SSIQTGATHGMTTLDDQSLKQLLAKCLINLPTARAVAKS.PESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	SATQTGANHGMTTLDDQSLKGLVARCVISPPQTARTAAKQ.PESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	SATQTGANHGMTTLDDQSLKGLVARCVISPPQTARTAAKQ.PESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	SATQTGANHGMTTLDDQSLKGLVSRGVISPPQTARTAAKQ.PESFL.....	345
NTDB id 96 BSU 24730 NP 390353.1	NYQYQTLRQIIRKGIALCYLITNNYDRWVYHEKD.....	356
NTDB id 1028 TT RS08215 WP 011173991.1	KEIAR..RKCMKTLREDGLYKALQCITTTLEFVLARTIE.....	889
NTDB id 1306 DR RS10060 WP 027479822.1	RDVAL.GESGLRSLRQDGLIEKALQCITTTLEFVLAVTAS.....	887
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ERLAK..ANGMQTLQESGLEKIREGITSFAELQRVLYF.....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	EKLAI..ANGMQTLQMSGIEKIKQCITSFRELQRVLYF.....	561
NTDB id 1293 VP RS12240 WP 005479695.1	EKLAI..ANCMSTLQMSGIEKIKQCITSFSELQRVLYF.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	LDVAY..KEGMVDLRRAGILKIMQCITSLEEVTANTND.....	558
NTDB id 1251 GCO85 RS07725 WP 011946523.1	LKLAQ..SEGMLTIFQSGIEKVKECITTTIEEVNRVTVD.....	574
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AAASE..KLCFNNLRRSGLKKVMQCVTSLQEVNRVTSE.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	AATAE..TLCFNNLRRSGLKKVMQCVTSLQEVNRVTSE.....	570
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.KQTA..YLDFFSLRESAKQKIEQQLTNETEVDRVLGYE.....	461
NTDB id 1366 NTHI RS01950 WP 011271972.1	QTDFENLRESGLEKVSQCITDEKEIERVLGKNS.....	464
NTDB id 1355 HI 0298 AAC21962.1	QTDFKNLRASGLEKVSQCITDEKEIERVLGKNL.....	464
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1	MEIYAK..KYCFQTMFEQGLKKAKECLITSIDELLRVVR.....	519
NTDB id 142572 ClErT RS08685 WP 082160388.1	.....	57
NTDB id 1410 SGL RS13950 WP 010873519.1	KDCAV..EEGMITLAYSLSNLVQEGYTTLEFVERVTFTDTGLESEMRAKRKSALTCRTCA..AELQQEWLDCPYCMTS..	669
consensus	* ** ** *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	DDYGSGLQNVKIDME.....	368
NTDB id 1307 DR RS10055 WP 010888596.1	GDFGRGAAAPATPAAPAAAGRSEPGRAGGFGR	418
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	345
NTDB id 96 BSU 24730 NP 390353.1	.....	356
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GCO85 RS07725 WP 011946523.1	.....	574
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	461
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	464
NTDB id 1355 HI 0298 AAC21962.1	.....	464
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1	.....	519
NTDB id 142572 CleRt RS08685 WP 082160388.1	.....	57
NTDB id 1410 SGL RS13950 WP 010873519.1	.RFS.....	672
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved