

NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1306	DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNLDQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
NTDB id 1227	CJJ81176 RS07050 WP 011812800.1	.....	0
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1355	HI 0298 AAC21962.1	.....	0
NTDB id 1366	NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1384	A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1468	ASU2 RS05090 WP 014991734.1	.....	0
NTDB id 94941	AOD72 RS22595 WP 004145935.1	.....	0
NTDB id 1436	BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
consensus			

Accession	Gene	Protein	Length
NTDB id 1028	TT RS08215	WP 011173991.1	158
NTDB id 1306	DR RS10060	WP 027479822.1	157
NTDB id 1227	CJJ81176	RS07050 WP 011812800.1	0
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NTDB id 1355	HI 0298	AAC21962.1	0
NTDB id 1366	NTHI RS01950	WP 011271972.1	0
NTDB id 1384	A4U84	RS08525 WP 010787006.1	0
NTDB id 1468	ASU2 RS05090	WP 014991734.1	0
NTDB id 94941	AOD72	RS22595 WP 004145935.1	0
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NTDB id 1293	VP RS12240	WP 005479695.1	0
NTDB id 1110	NGFG RS09235	WP 003689817.1	0
NTDB id 1251	GCO85	RS07725 WP 011946523.1	0
NTDB id 1018	ACIAD	RS01685 WP 004920473.1	0
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consensus			

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NTDB id 1355	HI 0298 AAC21962.1		0
NTDB id 1366	NTHI RS01950 WP 011271972.1		0
NTDB id 1384	A4U84 RS08525 WP 010787006.1		0
NTDB id 1468	ASU2 RS05090 WP 014991734.1		0
NTDB id 94941	AOD72 RS22595 WP 004145935.1		0
NTDB id 1436	BW25113 RS00530 WP 001025145.1		0
NTDB id 1168	A1552VC RS11070 WP 000957200.1		0
NTDB id 1401	DSB67 RS12665 WP 010643259.1		0
NTDB id 1293	VP RS12240 WP 005479695.1		0
NTDB id 1110	NGFG RS09235 WP 003689817.1		0
NTDB id 1251	GCO85 RS07725 WP 011946523.1		0
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consensus			

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NTDB id 1168	A1552VC RS11070 WP 000957200.1		0
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consensus			

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NTDB id 1168	A1552VC RS11070 WP 000957200.1	MLTNLVAIRQAELISATQEQAVVTQVSASGTSVPEALLLEL..SIFH.AQEITEQ.....L	53
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MLTNLSTVIRQAGILTFSSQEESSLLEQVKASGISMPEALLSS..GFFQ.SHEITEH.....L	53
NTDB id 1293	VP RS12240 WP 005479695.1	MHSNLSTIRQKGLLTFSQEESSLIEQVKASGISMPEALLSS..GFFT.SSELAEH.....L	53
NTDB id 1110	NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVVTVVEQAHHYY.NESQAGKEVLPMIFSD..GVIS.PKSLAAL.....I	52
NTDB id 1251	GCO85 RS07725 WP 011946523.1	MALATEEYRLQGIGQLIVLEKLLDKTKAIELHKLAAAEKISLLQYIVKN..KILS.AEQIALT.....A	61
NTDB id 1018	ACIAD RS01685 WP 004920473.1	MSAFTTPPKFSGFIRRIVEEGYVNAQNMQQALEKAKKFKQDVPYILIDN..FSIS.PLTIAEI.....I	61
NTDB id 1058	ABD1 RS01615 WP 001274986.1	MSALHTSPKFTGFFRRIVEEKHVSAAATMQTALDAAKRAKQDTVAYLIEE..VHLS.PSLIAET.....I	61
consensus		*	*

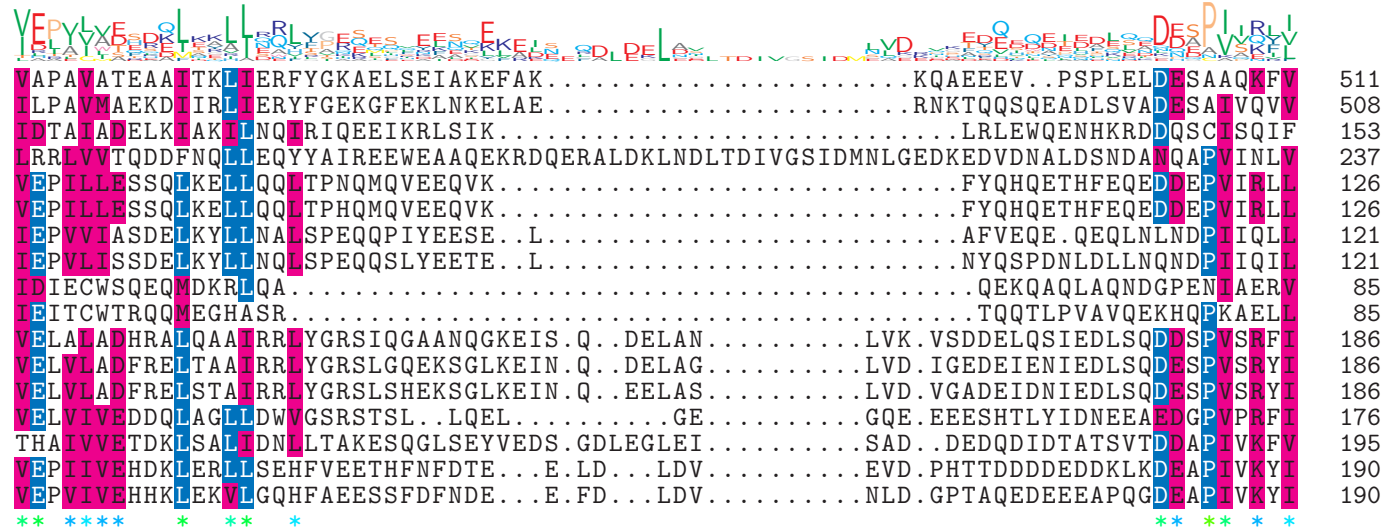
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NTDB id 1306	DR RS10060 WP 027479822.1	AAQLGYEFLDPIQNPP....DPKVALMIPEATARRVVVVRQLQG...NSLVVAMKDPRNVFALDDKLITG....KE	451
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NTDB id 1410	SGL RS13950 WP 010873519.1	KVLVGVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKG..FE	157
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NTDB id 1366	NTHI RS01950 WP 011271972.1	GEIF.....T...ISP....DLWERNQQQSSLLRLRYFALPLKEEN...NRLWLGVDLSLSNISACETIAF...ITG..KP	75
NTDB id 1384	A4U84 RS08525 WP 010787006.1	ERIF.....D...ISP....SRWQKNCEEKQLLLRYLAVPVQETE...HKLWLAVDDENNITACEIFAF...MTH..KQ	70
NTDB id 1468	ASU2 RS05090 WP 014991734.1	QQVF.....D...ISE....SLWQKNCDEKHLILRYLAIPIQEND...DTLWLAIIDDMNLSACEIFAF...IAH..KT	69
NTDB id 94941	AOD72 RS22595 WP 004145935.1	MKTEQLIPLCRYHAMLHSD...QTISIADVNTPPAELMEARF...ATQ..KR	48
NTDB id 1436	BW25113 RS00530 WP 001025145.1	MNIPQLTALCLRYHGVLLDASE...EVVHVAVVDAPSHELLDALHF...ATT..KR	48
NTDB id 1168	A1552VC RS11070 WP 000957200.1	SHIFGLPETDLSTRYDY....ANLCQQLGLRELITRYDALPLAKQG...NLILLAVSDPTLLQAEEFEFRF...ATG..LQ	120
NTDB id 1401	DSB67 RS12665 WP 010643259.1	SSVFGLSCTSLNQYEY....ASLCQTLGLRDLITRHNAIPLNRTS...STLILAVADPTNLQAEDDFRF...ATG..LQ	120
NTDB id 1293	VP RS12240 WP 005479695.1	SSIFGLSQPELSQYEY....ASLCQQLGLRELITRHNAIPLHRTS...STLILAVADPTNLQAEDDFRF...ATG..LQ	120
NTDB id 1110	NGFG RS09235 WP 003689817.1	ARVFSYSILDLRHYPR....HRVLMGVLTEEQMVVHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVS...AAG..IA	119
NTDB id 1251	GCO85 RS07725 WP 011946523.1	AQNFQVPMLDINCIDV....GTIPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDPSKQASLKEITQF...HTG..LN	128
NTDB id 1018	ACIAD RS01685 WP 004920473.1	SLEFGEPLLDLGVFDP....ALFLKDKIDEKLIKQYRIMPLVHRG...HVLVYVATSNPTNTEAMDAIRF...NSK..LK	128
NTDB id 1058	ABD1 RS01615 WP 001274986.1	SAEFAEYPFDLDVYDT....SQIPKDLVDQKLIKLRHILPLIQRG...QILYVATSNPSNIBATDAIRF...NSK..LL	128
consensus		*	*

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consensus

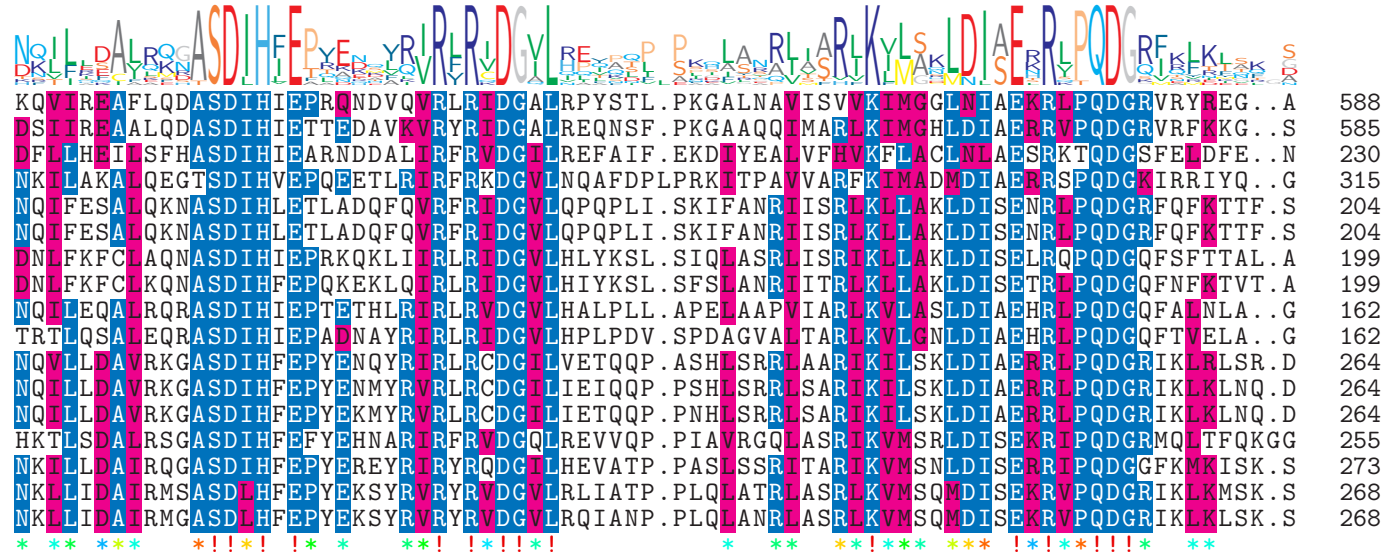
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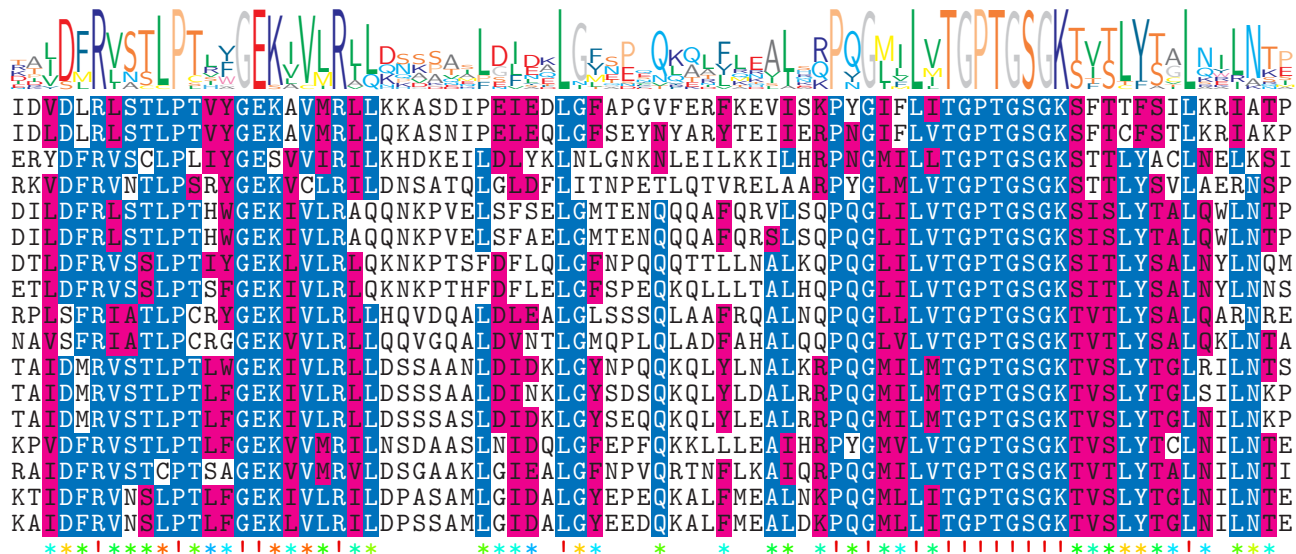
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consensus

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consensus



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consensus



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NTDB id 1028	TT RS08215 WP 011173991.1	QATTRLIDEMGV	EPFNISAA	LIGVLSQRLVRRV	CEHCKVEV	.KDPETLRRRL	CLSE.....	AEIQGA..	RLYK..	812	
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NTDB id 1410	SGL RS13950 WP 010873519.1	GATARLIDEMG	VEPFMVSG	SLLGVLAQRLMRKV	CTECHIA	.HPSKEELSRF	CLSASGDEV	VTFYKAN	SPDEIHLARQK	554	
NTDB id 1355	HI 0298 AAC21962.1	SAISRLLQQL	LGITQQYE	IKNSLLLVIAQRLVRKLC	SKCGGN	.....	.....	.....	.....	403	
NTDB id 1366	NTHI RS01950 WP 011271972.1	SAISRLLQQL	LGITQQHE	IKNSLLLVIAQRLVRKLC	CPKCGGN	.....	.....	.....	.....	403	
NTDB id 1384	A4U84 RS08525 WP 010787006.1	SAVERLLQL	LGITQYE	IKNSLLLVIAQRLVRKLC	CKKCGV	.....	.....	.....	.....	398	
NTDB id 1468	ASU2 RS05090 WP 014991734.1	SAIERLLQL	LGITKEYE	IKNSLLLVIAQRLVRKLC	CPQCGGK					398	
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NTDB id 1436	BW25113 RS00530 WP 001025145.1	ETLVRLQCM	GVARWMIS	SALTLVIAQRLVRKLC	PHCHRRQQ	GGEPIH.....	IP.....	DNVWPS	PLPHWQ..	381	
NTDB id 1168	A1552VC RS11070 WP 000957200.1	ETVIRLANM	GVPEPFNL	ASSLSLIAQRLARRL	CKHCKIA	.RPSALLQS	QFAFQP		NEIL....	YEAN..	486
NTDB id 1401	DSB67 RS12665 WP 010643259.1	ETVIRLSNM	GVESFNL	ASSLSLIAQRLARKLC	PCYCBQP	.EPNSQLQ	HICIAN		TEQI....	FQAN..	485
NTDB id 1293	VP RS12240 WP 005479695.1	ETIIRLSNM	GVESFNL	ASSLSLIAQRLARKLC	PCYCKQP	.EHTVQLQ	HLGIQT		TDNI....	FRAN..	485
NTDB id 1110	NGFG RS09235 WP 003689817.1	ATLSRMLNM	GVAPFNIA	SSVSLVIAQRLARRL	CSCKQ	QEVERPSA	SALKEVG	FTD.....	EDLAK	DWKLYR..	481
NTDB id 1251	GC085 RS07725 WP 011946523.1	ETLNRLVNM	GIPTFNI	ASSVTLVIAQRLARKLC	NCCKA	VRDDFTN	NQGLIEL	CFKE.....	ADLV..	NLKLYK..	498
NTDB id 1018	ACIAD RS01685 WP 004920473.1	ETLTRLRNM	GVASFNI	ATSVNLVIAQRLARRL	CSQCKR	PI.QVPER	SLEMG	FTP.....	EDLAQ	PEFQIFE..	494
NTDB id 1058	ABD1 RS01615 WP 001274986.1	ETLTRLRNM	GVPSFNI	ATSVNLVIAQRLARRL	CSQCKI	PA.DIPK	QSLEMG	FTE.....	QDLA	HPDFRVFQ..	494
consensus		***!* **** * * *** *****!!*!***! * *									

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NTDB id 1028	TT RS08215 WP 011173991.1	GMGCE..	RCGGTGYK	GRYATHEL	LIVVDD	ERHATV	VAGKSATE	KEIAR	.RKCMKIL	REDGLYKAL	QCITTL	EEVLARTIE	889							
NTDB id 1306	DR RS10060 WP 027479822.1	GTGCP..	RCGGTGYK	GRMGITHEL	MVDDSL	RRTIG	AGRPAAE	IRDVAL	GESGLRSL	RQDGLIEKAL	QCITTL	EEVLAVTAS	887							
NTDB id 1227	CJJ81176 RS07050 WP 011812800.1	PKGCE..	RCHHSC	FFGRELIAE	CLEINED	LACATREN	QDKTIL	MELAK	.KYGFQ	TMFEQGLK	KAKEGLT	SIDELLRV	519							
NTDB id 1410	SGL RS13950 WP 010873519.1	GNLCQ..	KCSGSGYK	GRVGVY	EVMRN	SERIAEL	INQGAT	TDRLKDC	AV.EEG	MITLLAYS	LNVLQ	EGYTL	BEVERT	631						
NTDB id 1355	HI 0298 AAC21962.1	..LANSCD	CH.QCYR	GRIGVY	QFLHW	QQN.....	DY.....	QTD	FKNL	RASGLEKVS	QCIT	TDEKE	TERV	IGK	462					
NTDB id 1366	NTHI RS01950 WP 011271972.1	..LINS	CDCH.QCYR	GRIGVY	QFLHW	QQN.....	GY.....	QTD	FENL	RESGLEKVS	QCIT	TDEKE	TERV	IGK	462					
NTDB id 1384	A4U84 RS08525 WP 010787006.1	..GCD..	ECY.QCYR	GRIGVY	QCISRT	AK.....	KFDKQTA	YLD	FSS	SLRES	AKQK	EBQ	QLTNET	EVDR	VG	460				
NTDB id 1468	ASU2 RS05090 WP 014991734.1	..GCD..	NCY.HGYK	GRTGTY	QLLAK	QGK.....	FFEKSTA	YLD	YDN	LRASAEQK	LAAN	ITTV	DEV	KRV	IGD	460				
NTDB id 94941	AOD72 RS22595 WP 004145935.1	AAGCE..	HCY.HGYY	GRLAL	FEVL	PVTPGIR	QGV	QGLNA	IEES	LAR.AAG	MMIL	FE	SGCQ	ATE	QGLT	SLBEV	VRVLGI	457		
NTDB id 1436	BW25113 RS00530 WP 001025145.1	APGCV..	HCY.HCFY	GRTAL	FEVL	PITPVIR	QLIS	ANTD	VESLE	THAR.QA	CMRT	LFEN	GC	CLAVE	QCIT	TFEEL	IRVIGM	457		
NTDB id 1168	A1552VC RS11070 WP 000957200.1	AAGCN..	ECT.GGYS	GRVGYI	EVMA	FNTE	LAEATM	QRASI	HQIER	LAK.ANC	MQTL	QES	GLEK	IRE	GITS	FAEL	QRVLYF	562		
NTDB id 1401	DSB67 RS12665 WP 010643259.1	PDGCN..	ECT.HGYS	GRTGTY	EVMK	KFDES	LSEALIK	GASV	HELEK	LAI.ANC	MSL	QM	SGTE	KLKQ	GITS	FS	ELQR	VLYF	561	
NTDB id 1293	VP RS12240 WP 005479695.1	PDGCN..	ECT.HGYS	GRTGTY	EVMR	FDES	LSEALIK	GASV	HELEK	LAI.ANC	MSL	QM	SGTE	KLKQ	GITS	FS	ELQR	VLYF	561	
NTDB id 1110	NGFG RS09235 WP 003689817.1	AVGCD..	RCRGQGYK	GRACVY	EVMP	ISEEM	QRVIM	NNG	TEVG	ILDV	AY.KEC	MVD	LRAG	ILKIM	MQG	ITS	LE	VTANTND	558	
NTDB id 1251	GC085 RS07725 WP 011946523.1	AVGCE..	QCT.SCYR	GRVCL	FEVL	PMTKEL	GQLIM	SGGNS	LDL	KLAQ.SEC	MLTIF	QSG	TEK	VKEG	IT	TIBEV	NRVTVD	574		
NTDB id 1018	ACIAD RS01685 WP 004920473.1	PVGCH..	DCR.EGYK	GRVGYI	EVMK	ITPE	ISKIIM	EDG	NALE	IAATAE	.TLG	FNN	LR	SSCL	KKVM	QC	VTSL	QENR	VTSE	570
NTDB id 1058	ABD1 RS01615 WP 001274986.1	PVGCL..	ECR.EGYK	GRVGYI	EVMK	VTPE	ISKIIM	EDG	NALE	IAAASE	.KLG	FNN	LR	SSCL	KKVM	QC	VTSL	QENR	VTSE	570
consensus		**!* !!*!!* **** * *												* * * * *						

logo

NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1	.....	519
NTDB id 1410 SGL RS13950 WP 010873519.1	DTGLESEMRAKRKSALTTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1355 HI 0298 AAC21962.1	NL.....	464
NTDB id 1366 NTHI RS01950 WP 011271972.1	NS.....	464
NTDB id 1384 A4U84 RS08525 WP 010787006.1	E.....	461
NTDB id 1468 ASU2 RS05090 WP 014991734.1	G.....	461
NTDB id 94941 AOD72 RS22595 WP 004145935.1	PHGD.....	461
NTDB id 1436 BW25113 RS00530 WP 001025145.1	PHGE.....	461
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 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved