

logo

NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGS	LA	EV	VL	DM	GL	LS	ER	RI	AE	GI	PL	VE	LA	VE	PS	80
NTDB id 1306	DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNLDLQRALERHSEVGGRLADVLIDSGMVG																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 53184	L6449 RS21250 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																		

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NTDB id 1028	TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELG	LP	VP	PP	PP	..	P	158
NTDB id 1306	DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELG	LE	IV	VP	PS	GA		157
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 53184	L6449 RS21250 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									

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NTDB id 1028	TT RS08215 WP 011173991.1	SGEGQKDKLKLGE LLLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 1306	DR RS10060 WP 027479822.1	SDAGRTGGKLG ERLLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFGHPGEEVL	237
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 53184	L6449 RS21250 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			

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NTDB id 1028	TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFY LALPQAW EELFRRAYPQKNRLGEVLVQEGKLSR	317
NTDB id 1306	DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPDIERLIEQFYPQRGR LGEQLVQEGT LSR	317
NTDB id 1227	CJJ81176 RS07050 WP 011812800.1	.....	0
NTDB id 1410	SGL RS13950 WP 010873519.1	MTS	3
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 53184	L6449 RS21250 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			

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NTDB id 1028	TT RS08215 WP 011173991.1	EALKEALEVQKGLPRAKPLGEIIVELGLARPEDVEEALQKQRRGGGRLEDTVQS..GKLR.PEALQAQAAAAAAAV	384
NTDB id 1306	DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDEVDLSALQKQNVGGGRLEDTVQS..GKLS.PEMLARSAAAAAAL	384
NTDB id 1227	CJJ81176 RS07050 WP 011812800.1	ME.....SRMDKIFQAYIDN...EISLDEICTKFNITSWDFFKKL	37
NTDB id 1410	SGL RS13950 WP 010873519.1	SSSSKKSRVALRNYFSPFGNKIVAGGHVDAEQLRQALVQVKKTGRSPPEELKAVTGREISS.PELTRQYKKN..QLFE.L	79
NTDB id 1355	HI 0298 AAC21962.1	MTSY.....ALLH.TQRVTAK.....N	16
NTDB id 1366	NTHI RS01950 WP 011271972.1	MTSY.....ALLH.TQRVTAQ.....N	16
NTDB id 1384	A4U84 RS08525 WP 010787006.1	MSQY.....T.....ICEQQ.....T	11
NTDB id 1468	ASU2 RS05090 WP 014991734.1	MQY.....S.....VCDMN.....S	10
NTDB id 53184	L6449 RS21250 WP 004145935.1	.....	0
NTDB id 1436	BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168	A1552VC RS11070 WP 000957200.1	MLTNLVAIRQAELISATQEQAVVTQVSASGTSVPEALLLEL..SIFH.AQEITEQ.....L	53
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MLTNLSTVIRQAGILTFSQEESSLLEQVKASGISMPEALLSS..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	MALATEEYRLQGIGQLIVLEKLLDKTKAIELHLKAAAAEKISLLQYIVKN..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		*.....*	

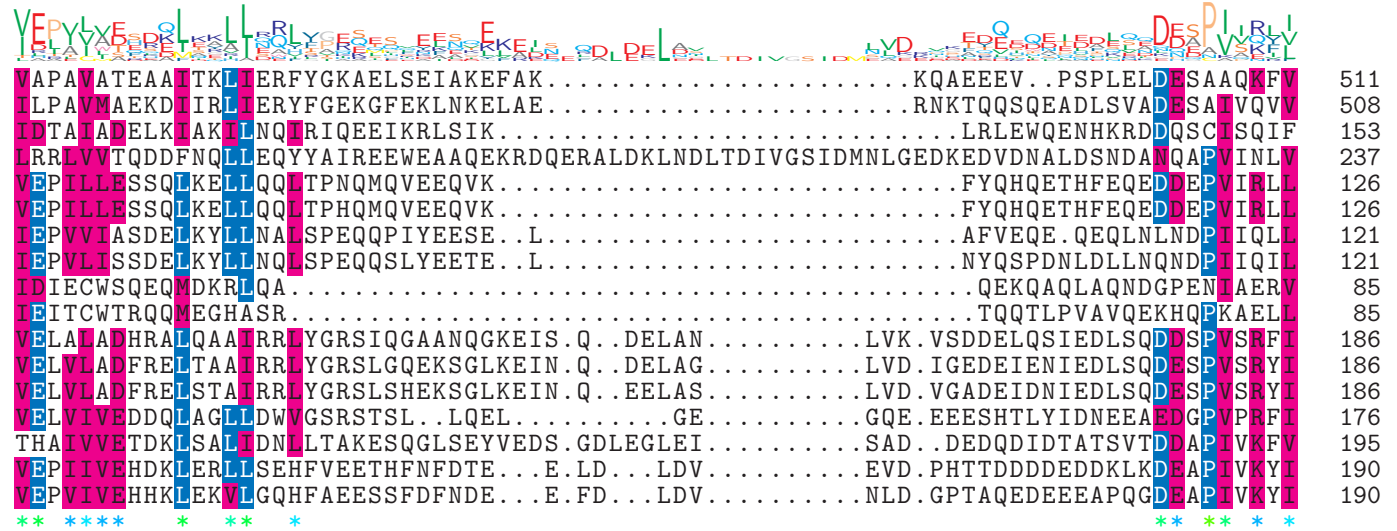
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NTDB id 1306	DR RS10060 WP 027479822.1	AAQLGYEFLDPIQNPP....DPKVALMIPEATARRYVVVPRLQG...NSLVVAMKDPRNVFALDDKLITG....KE	451
NTDB id 1227	CJJ81176 RS07050 WP 011812800.1	ANFCNLHFVDLDE.....DNDFIYEGIPFSLILKFKFLLKNND...GFMIRSKPCSLELLEQVKTF..MIC..EK	102
NTDB id 1410	SGL RS13950 WP 010873519.1	KVLVGVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKG..FE	157
NTDB id 1355	HI 0298 AAC21962.1	GEVF.....T...ISP....DLWERNQQQSSLLRLRYFALPLKEEN...NRLWLGVDLSLSNISACETIAF...ITG..KP	75
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....SLWQKNCDEKHILLRYLATPIQEND...DTLWLATDDMNNLSACEIFAF...IAH..KT	69
NTDB id 53184	L6449 RS21250 WP 004145935.1	MKTEQLIPLCRRYHAMLLHSDE...QTISIADVNTPPAELMEATRF...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....ASLCQTLGLRDLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRF...ATG..LQ	120
NTDB id 1293	VP RS12240 WP 005479695.1	SSIFGLSQPELSQYEY....ASLCQQLGLRELITRHNALPLHRTS...STLILLAVADPTNQAEDDFRF...ATG..LQ	120
NTDB id 1110	NGFG RS09235 WP 003689817.1	ARVFSYSILDLRHYPY....HRVLMGVLTEEQMVVHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVS...AAG..IA	119
NTDB id 1251	GCO85 RS07725 WP 011946523.1	AQNFGVPMLDINCIDV....GTIPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDPSKQASLKEIQF...HTG..LN	128
NTDB id 1018	ACIAD RS01685 WP 004920473.1	SLEFGEPLLDLGVFDP....ALFLKDKIDEKLIKRYRIMPLVHRG...HVLVYVATSNPTNTEAMDAIRF...NSK..LK	128
NTDB id 1058	ABD1 RS01615 WP 001274986.1	SAEFAEYPFDLDVYDT....SQIPKDLVDQKLIKLRHILPLIQRG...QILYVATSNPSNIBATDAIRF...NSK..LL	128
consensus		*.....*	

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NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1
NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1355 HI 0298 AAC21962.1
NTDB id 1366 NTHI RS01950 WP 011271972.1
NTDB id 1384 A4U84 RS08525 WP 010787006.1
NTDB id 1468 ASU2 RS05090 WP 014991734.1
NTDB id 53184 L6449 RS21250 WP 004145935.1
NTDB id 1436 BW25113 RS00530 WP 001025145.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
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 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

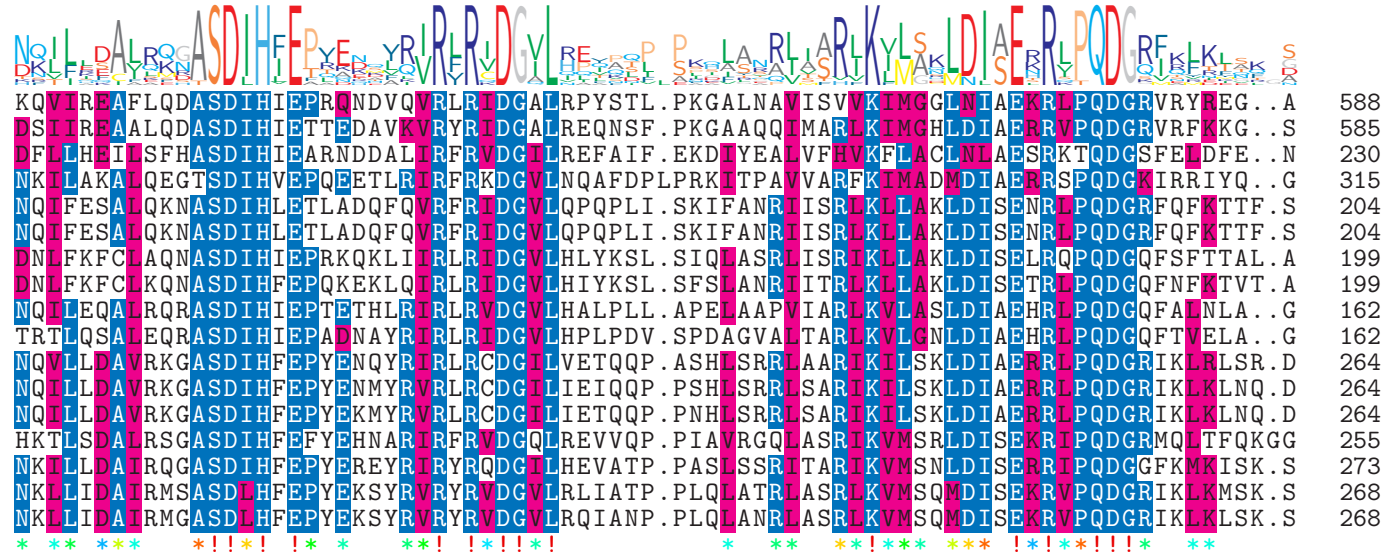
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NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1
NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1355 HI 0298 AAC21962.1
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NTDB id 1384 A4U84 RS08525 WP 010787006.1
NTDB id 1468 ASU2 RS05090 WP 014991734.1
NTDB id 53184 L6449 RS21250 WP 004145935.1
NTDB id 1436 BW25113 RS00530 WP 001025145.1
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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 1018 ACIAD RS01685 WP 004920473.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
consensus

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Accession	Species	Gene	Protein	Protein Length	Consensus
NTDB id 1028	TT	RS08215	WP 011173991.1	812	QAITRLDEMGVEPFNISAALIGVLSQRLVRRVCEHCKVEV.KPDPELTRRLGLSE.....AETIQGA..RLYK..
NTDB id 1306	DR	RS10060	WP 027479822.1	809	GAVTRLEEMGIENFNISAAMGVLAQRLVRRVCECKQPT.NADPEVLRRLGISE.....RDIRGA..NLMR..
NTDB id 1227	CJ	J81176	RS07050 WP 011812800.1	443	STIDRLDMQAKSYLIASASLVIAQRLVRKLCPWCKQKSKKHYIE.....FEG.....EFFE..
NTDB id 1410	SGL	RS13950	WP 010873519.1	554	GATARLDEMGVEPFMVSGSLLGVLQRLMRKVCTECRIAY.HPSKEELSRFGLSASGDEVVTFYKANSLSPEDEIHLARQK
NTDB id 1355	HI	O298 AAC2162.1		403	SAISRLLQLGLGIQQYEIKNSLLLVIAQRLVRKLCCKGGN.....
NTDB id 1366	NTHI	RS01950	WP 011271972.1	403	SAISRLLQLGLGIQQHEIENSLLLVIAQRLVRKLCCKGGN.....
NTDB id 1384	A4U84	RS08525	WP 010787006.1	398	SAVERLLQLGLGIQEYEIQNSLLLVIAQRLVRKLCCKCGV.....
NTDB id 1468	ASU2	RS05090	WP 014991734.1	398	SAIERLLQLGLGIKEYEIKNSLQLLVIAQRLVRKLCCKCGGK.....
NTDB id 53184	L6449	RS21250	WP 004145935.1	381	ETITRLQMGIAARMISSASLVIAQRLVRKLCPHCRNAGSAAD.....LP.....HSIWPRPLPRWQ..
NTDB id 1436	BW25113	RS00530	WP 001025145.1	381	ETLVRLQMGQVARMESSATLVIAQRLVRKLCPHCRQGEPIH.....IP.....DNVWPSPLPHWQ..
NTDB id 1168	A1552VC	RS11070	WP 000957200.1	486	ETVIRLANMGVEPFNLASSLSLVIAQRLARLCKHKCIAY.RPSALLQSQFAFPQ.....NEIL....YEAN..
NTDB id 1401	DSB67	RS12665	WP 010643259.1	485	ETVIRLSNMGVESFNLASSLSLVIAQRLARLCKPYCQPPQ.EPNSQLQH.IGIAN.....TEQI....FQAN..
NTDB id 1293	VP	RS12240	WP 005479695.1	485	ETIIRLSNMGVESFNLASSLSLVIAQRLARLCKPYCQPPQ.EHTVQLQH.LGIQT.....TDNI....FRAN..
NTDB id 1110	NGFG	RS09235	WP 003689817.1	481	ATISRLNLMGVAPFNIASSVSLVIAQRLARLCSQCKQEVERPSASALKEVCFD.....EDLAK.DWKLYR..
NTDB id 1251	GC085	RS07725	WP 011946523.1	498	ETITRLVNMGIPTFNIASSVTLVIAQRLARLCKNQCKAVRDDFTNQGLIELGFKE.....ADLV..NLKLYK..
NTDB id 1018	ACIAD	RS01685	WP 004920473.1	494	ETITRLRNMGVASFNIAATSVNLVIAQRLARLCSQCKRPI.QVPERSLLEMGFPT.....EDLAQPEFQIFE..
NTDB id 1058	ABD1	RS01615	WP 001274986.1	494	ETITRLRNMGVPSFNIAATSVNLVIAQRLARLCSQCKIP.A.DIPKQSLEMCFTE.....QDLAHPDFRVFQ..
consensus					** ! * *** * * *** ** * ! ! * ! * ! *

NTDB	id	1028	TT	RS08215	WP	O11173991.1
NTDB	id	1306	DR	RS10060	WP	O27479822.1
NTDB	id	1227	CJ	J81176	RS07050	WP O11812800.1
NTDB	id	1410	SGL	RS13950	WP	O10873519.1
NTDB	id	1355	HI	O298 AAC2		1962.1
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NTDB	id	1468	ASU2	RS05090	WP	O14991734.1
NTDB	id	53184	L6449	RS21250	WP	O04145935.1
NTDB	id	1436	BW25113	RS00530	WP	O01025145.1
NTDB	id	1168	A1552VC	RS11070	WP	O00957200.1
NTDB	id	1401	D5B67	RS12665	WP	O10643259.1
NTDB	id	1293	VP	RS12240	WP	O05479695.1
NTDB	id	1110	NGFG	RS09235	WP	O03689817.1
NTDB	id	1251	GCO85	RS07725	WP	O11946523.1
NTDB	id	1018	ACIAD	RS01685	WP	O04920473.1
NTDB	id	1058	ABD1	RS01615	WP	O01274986.1
consensus						

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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 53184 L6449 RS21250 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