

logo

NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGS	80
NTDB id 1306	DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNLDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNL	79
NTDB id 1227	CJJ81176 RS07050 WP 011812800.1		0
NTDB id 1410	SGL RS13950 WP 010873519.1		0
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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 43725	D5075 RS20920 WP 004145935.1		0
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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	158
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NTDB id 1168	A1552VC RS11070 WP 000957200.1		0
NTDB id 1401	DSB67 RS12665 WP 010643259.1		0
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consensus			

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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
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NTDB id 1355 HI 0298 AAC21962.1		0
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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 GC085 RS07725 WP 011946523.1		0
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NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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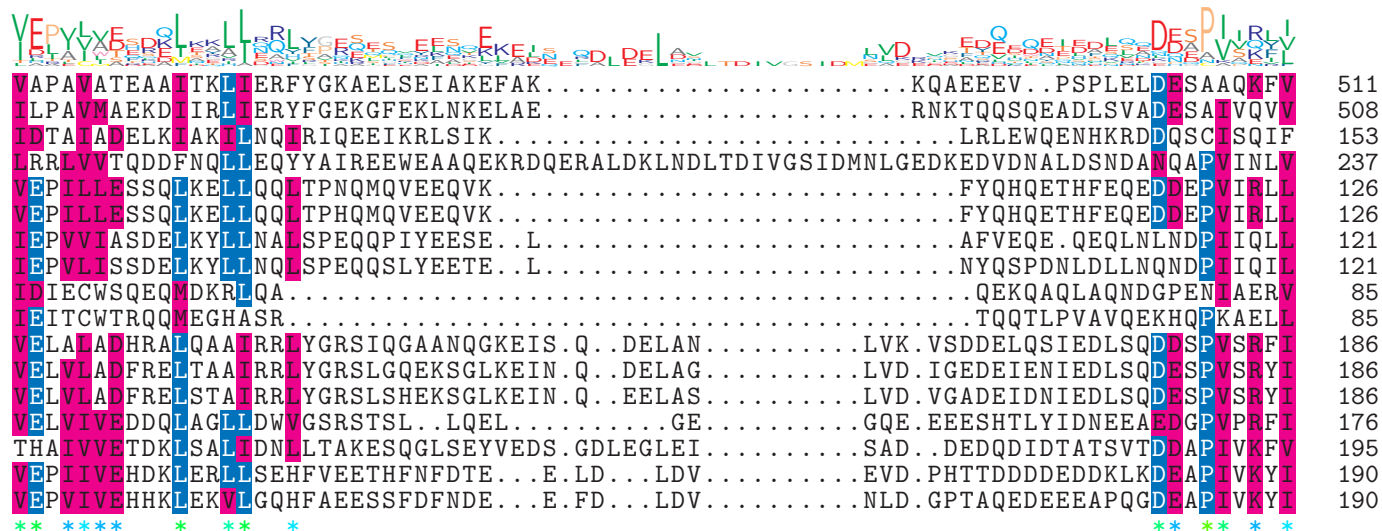
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NTDB id 1306 DR RS10060 WP 027479822.1	DQLREALQVQAREGKVKPLGEVITELGFASPDEVDLSALQKQNVGGGRLEDTVQS..GKLS.PEMTARS.....L	384
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NTDB id 1355 HI 0298 AAC21962.1	MTSY.....ALLH.TQRVTAK.....N	16
NTDB id 1366 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 43725 D5075 RS20920 WP 004145935.1		0
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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 GC085 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 1028 TT RS08215 WP 011173991.1	ATQLGYPYVDPEEDPP....DPGAPLLLPEDLCCRYPGVFPHRLEG...NRIIVILMKDPRNIALLDVRLALKRKGLNVE	456
NTDB id 1306 DR RS10060 WP 027479822.1	AAQLGYEFLDPIQNPP....DPKVALMIPEATARRVVVVRQLQG...NSLVVAMKDPRNVFALDDLKLITG....KE	451
NTDB id 1227 CJJ81176 RS07050 WP 011812800.1	ANFCNLHFVDLDE.....DNDFIYEGIPFSLILKFKFLLIKNND...GFMIRSKPCLLELLEQVKTF..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...NRIWLGVDSLSNLSACETIAF...ITG..KP	75
NTDB id 1366 NTHI RS01950 WP 011271972.1	GEIF.....T...ISP....DLWERNQQQSSLLRLRYFALPLKEEN...NRIWLGVDSLSNLSACETIAF...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....SLWQKNCDEKHLILRLYLATPIQEND...DTLWLATDDMNNLSACEIFAF...IAH..KT	69
NTDB id 43725 D5075 RS20920 WP 004145935.1	MKTEQLIPLCCRYPHAMLLHSDE...QTISIYAVVNTPPAELMEATRF...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...STLILAVADPTNLQAEDDFRF...ATG..LQ	120
NTDB id 1110 NGFG RS09235 WP 003689817.1	ARVFSYSILDLRHYPY....HRVLMGVLTEEQMVVHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVS...AAG..IA	119
NTDB id 1251 GC085 RS07725 WP 011946523.1	AQNFQVPMPLDINCIDV....GTIPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDPSKQASLKEITQF...HTG..LN	128
NTDB id 1018 ACIAD RS01685 WP 004920473.1	SLEFGEPLLDLGVFDP....ALFLKDKIDEKLIKQYRIMPLVHRG...HVLVYVATSNPTNTEAMDATRF...NSK..LK	128
NTDB id 1058 ABD1 RS01615 WP 001274986.1	SAEFAEYPFDLDVYDT....SQIPKDLVDQKLIKLRHILPLIQRG...QILYVATSNPSNTEATDAIRF...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
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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
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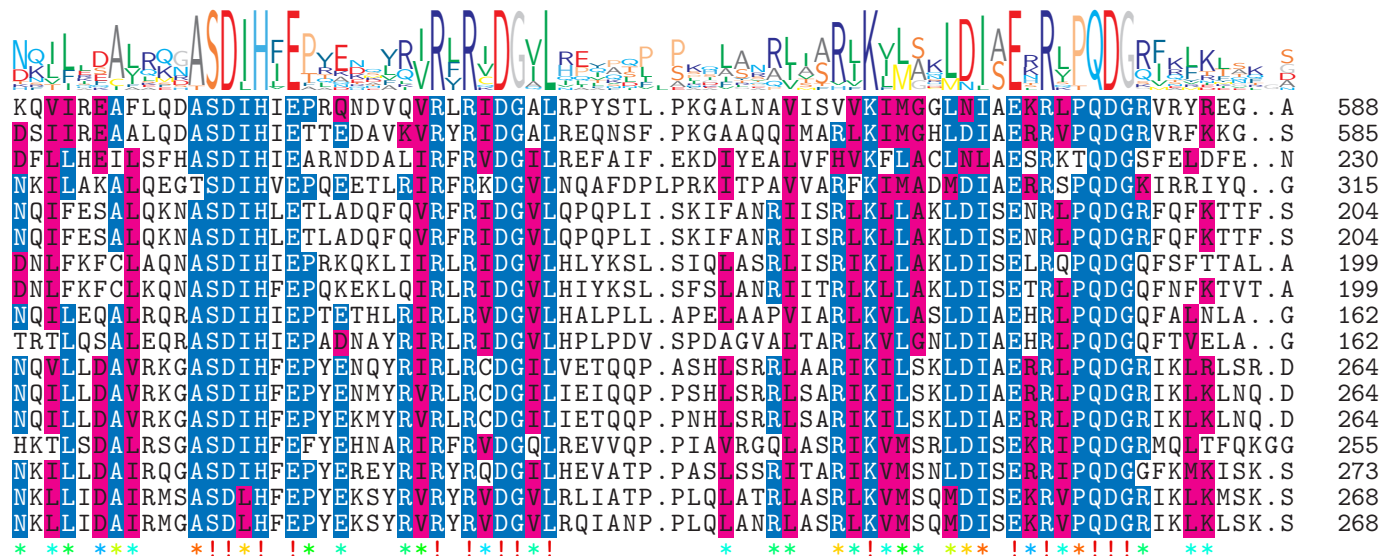
consensus



logo

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NTDB id 1058 ABD1 RS01615 WP 001274986.1
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consensus



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NTDB id 1028	TT RS08215 WP 011173991.1	QATRLIDEMGV	EPFNISAA	LIGVLSQRLVRRV	CEHCKVEV	.KDPETLRRRL	CLSE		AE	IQGA	..RLYK	812
NTDB id 1306	DR RS10060 WP 027479822.1	GAVTRLEEMGI	ENFNISAA	VMGVLAQRLVRRV	CSECKQPT	.NADPEVLRRRL	CISE	.....	RD	IRGA	..NLMR	809
NTDB id 1227	CJJ81176 RS07050 WP 011812800.1	STIDRLDMQAKS	YLIASALS	LVIAQRLVRKLC	PCWKQKSKKH	YIE	.....	FEG	.....	EFFE	..	443
NTDB id 1410	SGL RS13950 WP 010873519.1	GATARLIDEMG	VEPFMVSGS	LLGVLAQRLMRKV	CTECHIA	.HPSKEELSRF	CLSASG	DEVVTFYKAN	SPDEIHLAR	QK		554
NTDB id 1355	HI 0298 AAC21962.1	SAISRLQLGL	GIQQYEIKNS	LLLVIAQRLVRKLC	SKCGGN	.....						403
NTDB id 1366	NTHI RS01950 WP 011271972.1	SAISRLQLGL	GIQQHEIENS	LLLVIAQRLVRKLC	CPKCGGN	.....						403
NTDB id 1384	A4U84 RS08525 WP 010787006.1	SAVERLLQLGI	QEYEQINS	LLLVIAQRLVRKLC	CKKCGV	.....						398
NTDB id 1468	ASU2 RS05090 WP 014991734.1	SAIERLLQLGI	KYEYIKNS	LQLLIAQRLVRKLC	PCPCGGK	.....						398
NTDB id 43725	D5075 RS20920 WP 004145935.1	ETILTRLQCMG	IARWMISSA	LSLVIAQRLVRKLC	PHCHRNAGS	AAD	.....	LP	.....	HS	WPRPLPRWQ	381
NTDB id 1436	BW25113 RS00530 WP 001025145.1	ETLVRLQCMG	VARWMISSA	TLVIAQRLVRKLC	PHCHRRQQG	EPIH	.....	IP	.....	DN	WPSPLPHWQ	381
NTDB id 1168	A1552VC RS11070 WP 000957200.1	ETVIRLANMG	VEPFNLIASS	LSLIAQRLARRL	CKHCKIA	.RPSALLQSQF	AFQP	.....	NE	IL	..YEAN	486
NTDB id 1401	DSB67 RS12665 WP 010643259.1	ETVIRLSNMG	VESFNLIASS	LSLIAQRLARKLC	PCYCBQPQ	.EPNSQLQH	ICIAN	.....	TE	QI	..FQAN	485
NTDB id 1293	VP RS12240 WP 005479695.1	ETIIRLSNMG	VESFNLIASS	LSLIAQRLARKLC	PCYCKQPQ	.EHTVQLQH	LCIQT	.....	TD	NI	..FRAN	485
NTDB id 1110	NGFG RS09235 WP 003689817.1	ATLSRMLNMG	VAPFNIASS	SVLMAQRLARRL	CSCKQEVE	RPSASALKEV	GF	TD	.....	ED	LAKDWKLYR	481
NTDB id 1251	GC085 RS07725 WP 011946523.1	ETILNRLVMG	IPTFNIASS	VTLLIAQRLARKLC	NCQCKAVR	DDFTNQGLIE	LCFKE		AD	LV	..NLKLYK	498
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NTDB id 1058	ABD1 RS01615 WP 001274986.1	ETILTRLRNM	GVPSFNIAT	SVNLVIAQRLARRL	CSQCKIPA	.DIPKQSLLEM	GF	TE		QD	AHPDFRVFQ	494
consensus		***	!* ****	* * ****	***** !! * ! * ! *	!	*		*		*	

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NTDB id 1028	TT RS08215 WP 011173991.1	GMGCE	..RCGGTGYKGR	YATHELLVVDDE	IRHATVAGKS	ATEIK	EAR	.RKCMKIL	REDGYKAL	QCIT	TLIEVL	LARTIE	889
NTDB id 1306	DR RS10060 WP 027479822.1	GTGCP	..RCGGTGYKGR	MGITHELMVDD	SLRRTIGAGR	PAAERD	VALGES	CLRS	LRQDCIE	KALQC	ITTL	EEVL	887
NTDB id 1227	CJJ81176 RS07050 WP 011812800.1	PKGCE	..RCHHSCFF	GRELIABCL	EINEDLACAT	RENQDK	TIMELAK	.KYCFQ	TMFEQC	LKKAKE	GLTS	IDE	519
NTDB id 1410	SGL RS13950 WP 010873519.1	GNLCQ	..KCSGSGYKGR	VGVYEVMR	NSERTIAEL	INQGAT	TDRLKDC	AV	.EECMIT	LAYS	LNVL	QEGY	631
NTDB id 1355	HI 0298 AAC21962.1	..LANSCD	CH.QCYRGR	IGVYQFL	HWQQN		DY		QTD	FKNL	RAS	GLEK	462
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NTDB id 1384	A4U84 RS08525 WP 010787006.1	..GCD	..ECY.QCYRGR	IGVYQCL	SRTAK		KFDK	QTA	.YLD	FS	SLRES	AKQK	460
NTDB id 1468	ASU2 RS05090 WP 014991734.1	..GCD	..NCY.HGYKGR	TGTGYQLL	AKQGK	.....	FFEK	STA	.YLD	YDNL	RAS	AEQK	460
NTDB id 43725	D5075 RS20920 WP 004145935.1	AAGCE	..HCY.HGYYGR	LALFEVL	PVTPGIR	QGTVQGL	NAIE	IES	LAR	.AAG	MMIL	FESG	457
NTDB id 1436	BW25113 RS00530 WP 001025145.1	APGCV	..HCY.HCFYGR	TALFEVL	PITPVIR	QLISAN	TDVES	LE	THAR	.QAC	MRTL	FENG	457
NTDB id 1168	A1552VC RS11070 WP 000957200.1	AAGCN	..ECT.GGYSGR	VGYEVM	AFNTE	LAEATM	QRASI	HQIER	LAK	.ANCM	QTLQ	ESGLE	562
NTDB id 1401	DSB67 RS12665 WP 010643259.1	PDGCN	..ECT.HGYSGR	TGYEVM	KFDES	LSEALIK	GASV	HELEK	LAI	.ANCM	QTLQ	MSGLE	561
NTDB id 1293	VP RS12240 WP 005479695.1	PDGCN	..ECT.HGYSGR	TGYEVM	RFDES	LSEALIK	GASV	HELEK	LAI	.ANCM	STLQ	MSGLE	561
NTDB id 1110	NGFG RS09235 WP 003689817.1	AVGCD	..RCRGQGYKGR	ACVYEV	MPISE	EMQRVIM	NNGTE	VGLD	VAY	.KEG	MVDL	RRAG	558
NTDB id 1251	GC085 RS07725 WP 011946523.1	AVGCE	..QCT.SGYRGR	VCLFEVL	PMTKEL	GQLIM	SGGNS	LDL	KLAQ	.SE	CM	LTIF	574
NTDB id 1018	ACIAD RS01685 WP 004920473.1	PVGCH	..DCR.EGYKGR	VGYEVM	KITPE	ISKIIM	EDGNA	LE	IAATAE	.TL	GFNN	LRRS	570
NTDB id 1058	ABD1 RS01615 WP 001274986.1	PVGCL	..ECR.EGYKGR	VGYEVM	KVTPE	ISKIIM	EDGNA	LE	IAAASE	.KL	GFNN	LRRS	570
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
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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 43725 D5075 RS20920 WP 004145935.1	PHGD.....	461
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NTDB id 1401 DSB67 RS12665 WP 010643259.1		561
NTDB id 1293 VP RS12240 WP 005479695.1		561
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NTDB id 1018 ACIAD RS01685 WP 004920473.1		570
NTDB id 1058 ABD1 RS01615 WP 001274986.1		570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved