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NTDB	id	1284	ACE17W	RS12370	WP	010946666.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNNTKIPLNLMKRYDVSDFHSPVQIITMQEGKKV	225
NTDB	id	1257	GCO85	RS04855	WP	163621000.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNNTKIPLNLMKRYDVSDFHSPVQIITMQEGKKV	225
NTDB	id	1186	GTFT4	RS01320	WP	000788426.1	SATANQLENIDFRVNKEKA AVLVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFS TPVESVEVFRKEPST	112
NTDB	id	1175	A1552VC	RS12105	WP	000788426.1	SATANQLENIDFRVNKEKA AVLVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFS TPVESVEVFRKEPST	112
NTDB	id	330438	EHC64	RS01855	WP	005488227.1	DVQSNALESIDFRTNKSKDAVVVELLASPA AIVDKVRVQEGLSIDLMTNSVDDEQLYLLDVKDFATPVESVEVFRDTSTT	113
NTDB	id	1408	DSB67	RS13980	WP	010643500.1	EVQSNLSKSIDFRTNKDKDAVVVELVSPA AIVDKRVQEGLSIDLMTNSVSKDDQLYLLDVKDFS TVVESVEVFRDTSTT	113
NTDB	id	1193	PAKAF	RS26665	WP	003161249.1	VPAGRAIRNIDFRQRGEKG CNVVIDLSDPTLSPDI EQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT	236
NTDB	id	1009	ACIAD	RS15175	WP	004923730.1	PAPQGIGINIGFQRGAQGECLVVIDLQGTNT PVDVQQQGSKV VVRFPGIKIPTHLARRLNTTFATPVA SIDS YNDGSGN	218
NTDB	id	1039	HON27	RS01460	WP	031993779.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNT PVDDVQQQGSKV VIRTIGTKIPTHLARRLNVNDFATPVS SIDAYNDKGVG	217
NTDB	id	1052	ABD1	RS15850	WP	001017033.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNT PVDDVQQQGSKV VIRTIGTKIPTHLARRLNVNDFATPVS SIDAYNDKGVG	217
consensus							* **** * ! * * **** ** * ! ***** * * ! ***** * * * ! ***** * *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 330438 EHC64 RS01855 WP 005488227.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

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NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 330438 EHC64 RS101855 WP 005488227.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

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NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
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NTDB id 330438 EHC64 RS01855 WP 005488227.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus
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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	LIEARIVEVT	KDFSQDIGIRWGVSRP	THL.....	SGTLEG.....	A.....	NELAR	GTAPANVVP	LERRLNL	DLAA	495
NTDB id	1257	GC085	RS04855	WP	163621000.1	LIEARIVEVT	KDFSQDIGIRWGVSRP	THL.....	SGTLEG.....	A.....	NELAR	GTAPANVVP	LERRLNL	DLAA	495
NTDB id	1186	GTF74	RS01320	WP	000788426.1	QIEARIVTV	KEGNLEELGVRWGV	MSHSHSV...	GGSIENLWQKGLLA		DDEFV	DEFLNVNLAS			384
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	QIEARIVTV	KEGNLEELGVRWGV	MSHSHSV...	GGSIENLWQKGLLA		DDEFV	DEFLNVNLAS			384
NTDB id	330438	EHC64	RS01855	WP	005488227.1	QIEARIVT	ISEGNMDELGTRW	GFTSINGNNTV...	GGSIENNLATIGLYEG		GGDGE	GEEGGDGVG	IDDFLNVNLAA		395
NTDB id	1408	DSB67	RS13980	WP	010643500.1	QIEARIVT	INEGNMDELGVRW	GFTSINGSHTV...	GGSIENNLATIGLYDG		GGE..	GDDGGSSVG	IDDFLNVNLAA		393
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	MIEARIVEAN	VGYDKSLGVRWGG	AYHKGNWSG...	YGKDGN..	IGIKDED	GMNCGPIAG	SCTFPTT	GTSKSPSPFVDLGA		525
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	MIEARIVRA	TTSFSKEMGVK	WGILSQGINQNSN	LLVGGSET	TLWNLRNP	D...SN....	GTYTI...	ERPDLNVDLGV		517
NTDB id	1039	HON27	RS01460	WP	031993779.1	MVEARIVRA	STSFTELGVK	WGILSQGITNNNN	LLVGGSET	TLWNLR	REPK...KDETT	GGYKYTI...	ERPDLNVDLGV		530
NTDB id	1052	ABD1	RS15850	WP	001017033.1	MVEARIVRA	STSFTELGVK	WGILSQGITNNNN	LLVGGSET	TLWNLR	REPK...KDETT	GGYKYTI...	ERPDLNVDLGV		530
consensus						*****	*****	*****	*****	*	*	*	*****	*****	

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	APLTG	ATPA	SVGIALAKLNDN	ILLDLELSALE	SEGRAELISSPRLITTNQQA	AVIESGEEIPYQEATSSGA...	TAVAFK	572
NTDB id	1257	GC085	RS04855	WP	163621000.1	VPLTG	ATPA	SVGIALAKLNDN	ILLDLELSALE	SEGRAELISSPRLITTNQQA	AVIESGEEIPYQEATSSGA...	TAVAFK	572
NTDB id	1186	GTF74	RS01320	WP	000788426.1	T...	SANASSIAFQVAKLGS	SGTLLDLELSALQNES	KAEIISSPRLITTNKQPAY	IEQGT	EIPYLESSSSGA...	STVAFK	458
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	T...	SANASSIAFQVAKLGS	SGTLLDLELSALQNES	KAEIISSPRLITTNKQPAY	IEQGT	EIPYLESSSSGA...	STVAFK	458
NTDB id	330438	EHC64	RS01855	WP	005488227.1	T...	NPNAASIAFQVAKLG	SDTLLDLELSALQNES	KAEIISSPRLITTNKQPAY	IEQGT	EIPYLESSSSGA...	TSVTFK	469
NTDB id	1408	DSB67	RS13980	WP	010643500.1	T...	SPNAT	SIAFQVAKLGSDTLLDLELSALQNES	KAEIISSPRLITTNKQPAY	IEQGT	EIPYLESSSSGA...	TSVTFK	467
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	K...	DA.TSG	IGIGFI.T.DN	ILDLQLSAMEKTGN	GEIVSQPKVVTSD	KETAKILKGSEVPYQEASSGA...	TS TSFK	596
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	T...	TTGASSIAFGLISL	SDFMLDLELSALQAD	DGYGEVISTPKVMSAD	KQKAKVATG	VEVPYQSTTNSAAGSTATT	TSFK	593
NTDB id	1039	HON27	RS01460	WP	031993779.1	S...	NP.AG	SIAFGLISM.SDFMLDLELSALQAD	DGYGEVISTPKVMTAD	KQTAKVATG	QVVPYQSTTNSAAGSTATT	TSFK	605
NTDB id	1052	ABD1	RS15850	WP	001017033.1	S...	NP.AG	SIAFGLISM.SDFMLDLELSALQAD	DGYGEVISTPKVMTAD	KQTAKVATG	QVVPYQSTTNSAAGSTATT	TSFK	605
consensus													
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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	KAVLSLKVTPQITPDGKILMDLQINQDTPSPQT.FLGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPF	648
NTDB id	1257	GC085	RS04855	WP	163621000.1	KAVLSLKVTPQITPDGKILMDLQINQDTPSPQT.FLGVP...AIITKEIQTNVLVNNGQTIVLGGIYKQDKNKVINRIPF	648
NTDB id	1186	GTF74	RS01320	WP	000788426.1	KAVLSLKVTPQITPDNRLVLDLSVTQDRRGETV.KTGTGEAVSIDTQRIGTQVLVNNGETTVLGGIFQHSINNSVDKVPL	537
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	KAVLSLKVTPQITPDNRLVLDLSVTQDRRGETV.KTGTGEAVSIDTQRIGTQVLVNNGETTVLGGIFQHSINNSVDKVPL	537
NTDB id	330438	EHC64	RS01855	WP	005488227.1	KAVLSLKVTPQITPDNRLVLDLSVTQDRPGKV.V.KTGTGEAMAI	548
NTDB id	1408	DSB67	RS13980	WP	010643500.1	KAVLSLKVTPQITPDNRLVLDLSVTQDRPGQV.V.KTGTGEAVAI	546
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	EAAALSLEVTPQITPDNRIIVEVKVTKDAPDYQNMLNGVP...PINKNEVNAKILVNDGETIVIGGVFSNEQSKSVEKVPF	673
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	EALLSLEVTPNITPDGKILMELN IANDSINS.YAQNGEA...ILNKNTINTNVLVNNGGETTVLGGVFEQITTNNAVTKVPF	669
NTDB id	1039	HON27	RS01460	WP	031993779.1	DALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGEL...ILNKNNINTNVLDNGETVILGGVFEQITTMNSQT	681
NTDB id	1052	ABD1	RS15850	WP	001017033.1	DALLSLNVTPSITPDGKIQMKLDISKDSVAG.AAPNGEL...ILNKNNINTNVLDNGETVILGGVFEQITTMNSQT	681
consensus						*!!!!!!!!!!!!!!!! *	

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X non conserved
X similar
X ≥ 50% conserved