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NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAILII..ISASISMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAILIL..ISASISLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1408 DSB67 RS13980 WP 010643500.1		0
NTDB id 407928 GPY38 RS15180 WP 158141366.1		0
NTDB id 1186 GTF74 RS01320 WP 000788426.1		0
NTDB id 1175 A1552VC RS12105 WP 000788426.1		0
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKQLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIRQFSIGTVAYAIMQVSAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAASQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAASQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
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NTDB id 1284 ACE17W RS12370 WP 010946666.1	STIITYTNEASVDVSDDDRRRLIYNLKGLSYTRVAGNEIYWNKQTSLEASVMPVKASPLPYVSVFSAE	145
NTDB id 1257 GC085 RS04855 WP 163621000.1	KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSKE.....VFITNQV	145
NTDB id 1408 DSB67 RS13980 WP 010643500.1	KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSKE.....VFITNQV	33
NTDB id 407928 GPY38 RS15180 WP 158141366.1	MKMRHGLTLTPRKLTGLFSLWFSL...LLA...P.....FVA..AE	31
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MIKGLNA..STAWGIRCLFVGV...CLLLSAA.....T.L..AQ	32
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKT..YVAQTWLTWVGL...ALCASSM.....VFS..AE	32
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MKNGLKT..YVAQTWLTWVGL...ALCASSM.....VFS..AE	156
NTDB id 1009 ACIAD RS15175 WP 004923730.1	KNRELISVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNLNFVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPY	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SLIPVTTNEASSIDVSSDDKRARVVVNLKDGAFITTRVEGNVFILKINNIQSTAT.....PVAT..SA.....	138
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDGAFITTRVEGNVFILKINSAQTSNK.....PLPV..VS.....	138
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NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1408 DSB67 RS13980 WP 010643500.1	EVQSNLSKSIDFRTNKDKDAVIVVELVSPAIIVDIKRVQEGLSIDLNTSVKDDQLYLVDVDFATAVENIEVFRQPST	113
NTDB id 407928 GPY38 RS15180 WP 158141366.1	EAAANQLKNIDFRINKDKAAVLIVELASASAVVDVQKTEQGLTIELLKTVDVSDDKLYLVDDRDFATAVENIEVFRQPST	112
NTDB id 1186 GTF74 RS01320 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKQVEGLSIELLKTVDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1175 A1552VC RS12105 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKQVEGLSIELLKTVDVADDKLYLLDVKDFSTPVESVEVFRKEPST	236
NTDB id 1193 PAKAF RS26665 WP 003161249.1	VPAGRAIRNIDFQRGEKGENVIDLSDPTLSPDIQEQQGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT	218
NTDB id 1009 ACIAD RS15175 WP 004923730.1	PAPQGGIGNIGFQRGAQGEGLVVIDLQGTINTPVDVQQGSKVVVRFPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG	217
NTDB id 1052 ABD1 RS15850 WP 001017033.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQGSKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1039 HON27 RS01460 WP 031993779.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQGSKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	
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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	305
NTDB id	1257	GC085	RS04855	WP	163621000.1	305
NTDB id	1408	DSB67	RS13980	WP	010643500.1	192
NTDB id	407928	GPY38	RS15180	WP	158141366.1	189
NTDB id	1186	GTF74	RS01320	WP	000788426.1	191
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	191
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	316
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	297
NTDB id	1052	ABD1	RS15850	WP	001017033.1	296
NTDB id	1039	HON27	RS01460	WP	031993779.1	296
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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	385
NTDB id	1257	GC085	RS04855	WP	163621000.1	385
NTDB id	1408	DSB67	RS13980	WP	010643500.1	272
NTDB id	407928	GPY38	RS15180	WP	158141366.1	269
NTDB id	1186	GTF74	RS01320	WP	000788426.1	271
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	271
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	396
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	377
NTDB id	1052	ABD1	RS15850	WP	001017033.1	376
NTDB id	1039	HON27	RS01460	WP	031993779.1	376
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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	434
NTDB id	1257	GC085	RS04855	WP	163621000.1	434
NTDB id	1408	DSB67	RS13980	WP	010643500.1	322
NTDB id	407928	GPY38	RS15180	WP	158141366.1	319
NTDB id	1186	GTF74	RS01320	WP	000788426.1	321
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	321
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	450
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	448
NTDB id	1052	ABD1	RS15850	WP	001017033.1	456
NTDB id	1039	HON27	RS01460	WP	031993779.1	456
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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	LIEARIVEVTKD	FSQDIGIRWGVSRP	THL.....SG	TL.....EG	ANELARGTAP	ANVV.....P	LERRLNLDL	493				
NTDB id	1257	GC085	RS04855	WP	163621000.1	LIEARIVEVTKD	FSQDIGIRWGVSRP	THL.....SG	TL.....EG	ANELARGTAP	ANVV.....P	LERRLNLDL	493				
NTDB id	1408	DSB67	RS13980	WP	010643500.1	QIEARIVTINEG	NMDELGVRWGF	TSINGSHTV...	GGSIENN	LATIGLYDGG	GEG...DDG	SSV....G	IDDFLNVNL	391			
NTDB id	407928	GPY38	RS15180	WP	158141366.1	QIEARIVTVNEG	DLDELGVRWGF	SSSTNGSTTT...	GGSIEN	LGAIGLYDGS	SDS...GD...GA...	AIDDFLNVNL	385				
NTDB id	1186	GTF74	RS01320	WP	000788426.1	QIEARIVTVKEG	NLEELGVRWGV	MSSTNGSHSV...	GGSIEN	LWQKGLLA.....DD...	EF.....PV	DEFLNVNL	382				
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	QIEARIVTVKEG	NLEELGVRWGV	MSSTNGSHSV...	GGSIEN	LWQKGLLA.....DD...	EF.....PV	DEFLNVNL	382				
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	MIEARIVEANVG	YDKSLGVRWGG	AYHKG	NW	SG...YGK	DGN.IGIK	DE	DGMNCGP..IAGSCTFPT	TGTSKSPSPFVDL	523		
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	MIEARIVRATIS	FSKEMGVK	WILSQGINQ	NSNLLV	GGSETTL	WNLRNP	D...SN.....GT	YTI...ERP	DN	LNVDL	515	
NTDB id	1052	ABD1	RS15850	WP	001017033.1	MVEARIVRAST	SFTKELGV	KWILSQGIT	NNNNLLV	GGSETTL	WNLR	REP	K...KDE..TTG	GKYTI...ERP	DN	LNVDL	528
NTDB id	1039	HON27	RS01460	WP	031993779.1	MVEARIVRAST	SFTKELGV	KWILSQGIT	NNNNLLV	GGSETTL	WNLR	REP	K...KDE..TTG	GKYTI...ERP	DN	LNVDL	528
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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	AAAPLTGATP	ASVGI	ALAKLNDN	NI	LLDLELSAL	E	SEGRAELISSPRLITTNQQA	AV	IESG	EEIPYQEATSSGA...	TAVA	570		
NTDB id	1257	GC085	RS04855	WP	163621000.1	AAVPLTGATP	ASVGI	ALAKLNDN	NI	LLDLELSAL	E	SEGRAELISSPRLITTNQQA	AV	IESG	EEIPYQEATSSGA...	TAVA	570		
NTDB id	1408	DSB67	RS13980	WP	010643500.1	AAT...	SPNAT	SIAFQVAKL	SDT	LLDLELSAL	Q	ESKAEI	ISSPRLITTNKKP	PAY	IEQG	TEIPYLESSSSGA...	TSVT	465	
NTDB id	407928	GPY38	RS15180	WP	158141366.1	TAT...	SANASSIA	FQVAKL	GADT	LLDLELSA	MQRES	KAEI	ISSPRLITTNKKP	PAY	IEQG	TEIPYLESSSSGA...	TSVA	459	
NTDB id	1186	GTF74	RS01320	WP	000788426.1	AST...	SANASSIA	FQVAKL	SGT	LLDLELSAL	Q	NESKAEI	ISSPRLITTNKP	PAY	IEQG	TEIPYLESSSSGA...	STVA	456	
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	AST...	SANASSIA	FQVAKL	SGT	LLDLELSAL	Q	NESKAEI	ISSPRLITTNKP	PAY	IEQG	TEIPYLESSSSGA...	STVA	456	
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	GAK...	DA	TSGIGIGFI	.T.DNI	ITLDLQ	LSAMEKT	GN	GEIVSQPKVVT	SDKETAK	ILKG	SEVPYQEASSSGA...	TS	TS	594
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	GVT...	ITGASSIA	FGLISL	.SDF	MLDLELSAL	Q	ADGYGEVISTPKVMS	ADKQKAK	VATG	QVVPYQSTTNSA	AAGSTATT	TS	591	
NTDB id	1052	ABD1	RS15850	WP	001017033.1	GVS...	NP	AGSIAFGLISM	.SDF	MLDLELSAL	Q	ADGYGEVISTPKVMTAD	KQKAK	VATG	QVVPYQSTTNSA	AAGSTATT	TS	603	
NTDB id	1039	HON27	RS01460	WP	031993779.1	GVS...	NP	AGSIAFGLISM	.SDF	MLDLELSAL	Q	ADGYGEVISTPKVMTAD	KQKAK	VATG	QVVPYQSTTNSA	AAGSTATT	TS	603	
consensus						***	**	*****	**	*****	*****	*****	*****	*****	*****	*****	*****		

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	FKKAVLSLKVTPQITPDG	KILMDLQ	INQDTPSPQT	.FLGVP...	AIITKEI	QTNVLV	NNGQTIV	LGGIYKQ	DKNKVINRI	646
NTDB id	1257	GC085	RS04855	WP	163621000.1	FKKAVLSLKVTPQITPDG	KILMDLQ	INQDTPSPQT	.FLGVP...	AIITKEI	QTNVLV	NNGQTIV	LGGIYKQ	DKNKVINRI	646
NTDB id	1408	DSB67	RS13980	WP	010643500.1	FKKAVLSLKVTPQITPDN	NRLVLDLS	VTQDRPGQVV	.KTGTGEA	VAIDTQRIGT	QVLVNNGETV	VLGGIFQHS	ITNSVDKV	544	
NTDB id	407928	GPY38	RS15180	WP	158141366.1	FKKAVLSLKVTPQITPDN	NRLVLDLS	VTQDRPGQVV	.KTGTGEA	VAIDTQRIGT	QVLVNNGETV	VLGGIFQHS	ITNSVDKV	538	
NTDB id	1186	GTF74	RS01320	WP	000788426.1	FKKAVLSLKVTPQITPDN	NRLVLDLS	VTQDRRGETV	.KTGTGEA	VSIDTQRIGT	QVLVNNGETV	VLGGIFQHS	INNSVDKV	535	
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	FKKAVLSLKVTPQITPDN	NRLVLDLS	VTQDRRGETV	.KTGTGEA	VSIDTQRIGT	QVLVNNGETV	VLGGIFQHS	INNSVDKV	535	
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	FKEAALSLEVTPQITPDN	RIIVEVKV	TKDAPDYQN	MLNGVP...	PINKNEVNAK	ILVNDGETIV	LGGVFS	NEQSKSVEKV	671	
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	FKEALLSLEVTPNITPDG	KILMELN	IANDSINS	.YAQNGEA...	ILNKNT	INTNVLV	NDGETIV	LGGVFEQ	TTNNAVTKV	667
NTDB id	1052	ABD1	RS15850	WP	001017033.1	FKDALLSLNVTPSITPDG	KIQMKLD	ISKDSVAG	.AAPNGEL...	ILNKNN	INTNVLV	NDGETIV	LGGVFEQ	TTMNSQTKV	679
NTDB id	1039	HON27	RS01460	WP	031993779.1	FKDALLSLNVTPSITPDG	KIQMKLD	ISKDSVAG	.AAPNGEL...	ILNKNN	INTNVLV	NDGETIV	LGGVFEQ	TTMNSQTKV	679
consensus						!!*****	*****	*****	! *	*****	*****	*****	*****	*****	*****

