

ALIGNMENT S1

	10	20	30	40	50
TTL/1-377	-	-	-	-	-
TTLL1/1-423	-	-	-	-	-
TTLL2/1-592	-	-	-	-	-
TTLL3/1-352	-	-	-	-	-
TTLL4/1-1199	-	-	-	-	-
TTLL5/1-1277	-	-	-	-	-
TTLL6/1-569	-	-	-	-	-
TTLL7/1-957	-	-	-	-	-
TTLL8/1-834	-	-	-	-	-
TTLL9/1-347	-	-	-	-	-
TTLL10/1-673	-	-	-	-	-
TTLL11/1-538	-	-	-	-	-
TTLL12/1-644	-	-	-	-	-
TTLL13/1-459	-	-	-	-	-

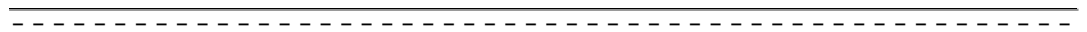
Conservation



Quality



Consensus



	60	70	80	90	100
TTL/1-377	-----				
TTLL1/1-423	-----				
TTLL2/1-592	-----				
TTLL3/1-352	-----				
TTLL4/1-1199	-----MASAGTQ				
TTLL5/1-1277	-----				
TTLL6/1-569	-----				
TTLL7/1-957	-----				
TTLL8/1-834	-----				
TTLL9/1-347	-----				
TTLL10/1-673	-----				
TTLL11/1-538	-----				
TTLL12/1-644	RLLHKLEHEVFDAGEVFGIMQVEEVEEEE--DEAAREVRKQQPNPGNELCYK				
TTLL13/1-459	-----				

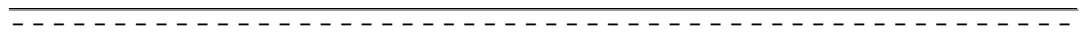
Conservation



Quality



Consensus



	110	120	130	140	150
TTL/1-377	-----				
TTLL1/1-423	-----				
TTLL2/1-592	-----				
TTLL3/1-352	-----				
TTLL4/1-1199	H Y S I G L R Q K N S F K Q S G P S G T V P A T P P E K P S E G R V W P Q A H Q Q V K P I W K L E K K Q				
TTLL5/1-1277	-----				
TTLL6/1-569	-----				
TTLL7/1-957	-----				
TTLL8/1-834	-----				
TTLL9/1-347	-----				
TTLL10/1-673	-----				
TTLL11/1-538	-----				
TTLL12/1-644	V I V T R E S G L Q A A H P N S I F L I D H A W T C R V E H A R Q Q -----				
TTLL13/1-459	-----				

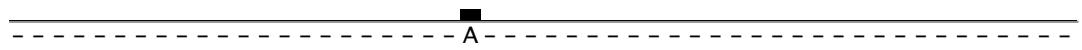
Conservation



Quality



Consensus



	160	170	180	190	200
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	VETLSAGLGPGLLGVPPQPAYFFCPSTLCSSGTTAVIAGHSSSCYLHSLPDL				
TTL5/1-1277	-----				
TTL6/1-569	-----				
TTL7/1-957	-----				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	---LQQVPGLLHRMANLMGIE---				
TTL13/1-459	-----				

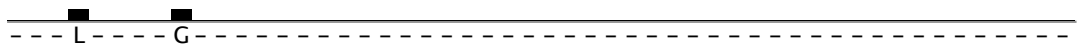
Conservation



Quality



Consensus



	210	220	230	240	250
TTL/1-377					
TTLL1/1-423					
TTLL2/1-592					
TTLL3/1-352					
TTLL4/1-1199	F	N	S	T	L
TTLL5/1-1277					
TTLL6/1-569					
TTLL7/1-957					
TTLL8/1-834					
TTLL9/1-347					
TTLL10/1-673					
TTLL11/1-538					
TTLL12/1-644					
TTLL13/1-459					

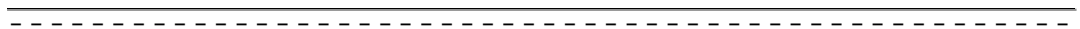
Conservation



Quality



Consensus



	270	280	290	300	310
<i>TTL/1-377</i>	-----	-----	-----	-----	-----
<i>TTLL1/1-423</i>	-----	-----	-----	-----	-----
<i>TTLL2/1-592</i>	-----	-----	-----	-----	-----
<i>TTLL3/1-352</i>	-----	-----	-----	-----	-----
<i>TTLL4/1-1199</i>	S S M V F S M A Q P M A S S S T E P Y L C L A A A G E N P S G K S L A S A I S G K I P S P L S S S Y K P				
<i>TTLL5/1-1277</i>	-----	-----	-----	-----	-----
<i>TTLL6/1-569</i>	-----	-----	-----	-----	-----
<i>TTLL7/1-957</i>	-----	-----	-----	-----	-----
<i>TTLL8/1-834</i>	-----	-----	-----	-----	-----
<i>TTLL9/1-347</i>	-----	-----	-----	-----	-----
<i>TTLL10/1-673</i>	-----	-----	-----	-----	-----
<i>TTLL11/1-538</i>	-----	-----	-----	-----	-----
<i>TTLL12/1-644</i>	-----	-----	-----	-----	-----
<i>TTLL13/1-459</i>	-----	-----	-----	-----	-----

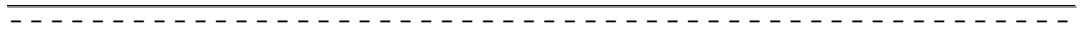
Conservation



Quality



Consensus



	320	330	340	350	360
TTL/1-377	-	-	-	-	-
TTLL1/1-423	-	-	-	-	-
TTLL2/1-592	-	-	-	-	-
TTLL3/1-352	-	-	-	-	-
TTLL4/1-1199	M	L	N	N	S
TTLL5/1-1277	F	M	W	P	N
TTLL6/1-569	S	T	P	V	P
TTLL7/1-957	L	L	Q	T	T
TTLL8/1-834	Q	G	L	K	P
TTLL9/1-347	V	S	P	P	K
TTLL10/1-673	I	Q	P	V	S
TTLL11/1-538	W	H	H	S	G
TTLL12/1-644	G	G	T	G	D
TTLL13/1-459	C	A	P	Q	P
	V	D			

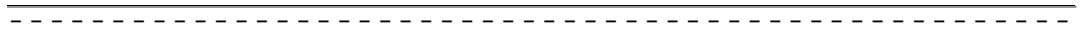
Conservation



Quality



Consensus



	370	380	390	400	410
TTL/1-377	-	-	-	-	-
TTLL1/1-423	-	-	-	-	-
TTLL2/1-592	-	-	-	-	-
TTLL3/1-352	-	-	-	-	-
TTLL4/1-1199	H	K	V	P	K
TTLL5/1-1277	S	I	G	T	V
TTLL6/1-569	P	A	D	A	S
TTLL7/1-957	A	H	I	A	L
TTLL8/1-834	S	T	A	S	S
TTLL9/1-347	H	D	T	S	T
TTLL10/1-673	T	T	S	V	A
TTLL11/1-538	S	S	W	Y	N
TTLL12/1-644	R	R	N	N	L
TTLL13/1-459	A	M	R	A	E
	P	L	S	C	

Conservation

Quality

Consensus

	420	430	440	450	460
TTL/1-377	-	-	-	-	-
TTLL1/1-423	-	-	-	-	-
TTLL2/1-592	-	-	-	-	-
TTLL3/1-352	-	-	-	-	-
TTLL4/1-1199	A	L	D	S	S
TTLL5/1-1277	D	S	S	D	S
TTLL6/1-569	Q	D	P	T	K
TTLL7/1-957	E	I	R	F	T
TTLL8/1-834	E	A	V	R	K
TTLL9/1-347	L	T	A	R	G
TTLL10/1-673	F	E	K	M	P
TTLL11/1-538	R	Q	G	C	Q
TTLL12/1-644	L	E	Q	S	S
TTLL13/1-459	F	L	N	P	S
	F	Q	W	N	

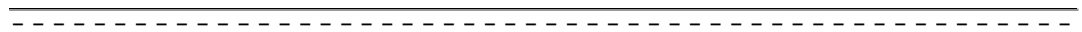
Conservation



Quality



Consensus



	470	480	490	500	510
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	V L N R S R R W K P P A V N Q Q F P Q E D A G S V R R V L P G A S D T L G L D N T V F C T K R I S I H L				
TTL5/1-1277	-----				
TTL6/1-569	-----				
TTL7/1-957	-----				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	- M A A A A S V T G R V T W A A S P M R S L G L G R R L S L P G P R L D A V T A A V N P S L S D H G N G				
TTL12/1-644	-----				
TTL13/1-459	-----				

Conservation



Quality



Consensus



	530	540	550	560	570
TTL/1-377	-----				
TTLL1/1-423	-----				
TTLL2/1-592	-----				
TTLL3/1-352	-----				
TTLL4/1-1199	LASH---ASGLNHNPA CESVIDSSAFGE GKAPGPPFPQTLGIANVATRLSSI				
TTLL5/1-1277	-----				
TTLL6/1-569	-----				
TTLL7/1-957	-----				
TTLL8/1-834	-----				
TTLL9/1-347	-----				
TTLL10/1-673	-----MDHSCTRFIHR				
TTLL11/1-538	LGRGTRGSGCSGGS LVADWGGGAAAAAVALALAPALSTMRRGSSSESELAAR				
TTLL12/1-644	-----FHGELPSTEAVALVLEEMWKFNQTYQLAHG---TAE EKMPVWYI				
TTLL13/1-459	-----				

Conservation



Quality



Consensus



	580	590	600	610	620
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	QLGQSEKERPEEARELDSSDRDISSATDLQPDQAETEDTEEEELVDGLEDCCS				
TTL5/1-1277	-----				
TTL6/1-569	-----				
TTL7/1-957	-----MPSLPQEGVIQGPSPLDLNTELPYQSTMKRKVR--K				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	RGPPTRTRAGFKRGKRPRIQQRPRARVSGTIPASRLHPAPASQPGPCPAPGH				
TTL11/1-538	WEAEAVAAAKAAAKAEAEATAETVAEQVRVDAGAAGEPECKAGEEQPKVLAP				
TTL12/1-644	MDEFGSR IQ-HADVPSFAT-APF-FYMPQQVA-----YTLLWPLRDLDTGEE				
TTL13/1-459	-----MEPSTCRTMSEEDYVEEKESEKCVKEGVTNPSNSSQQALLKADY				

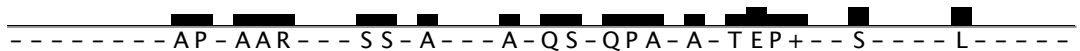
Conservation



Quality



Consensus



	630	640	650	660	670
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----MRGRDLCSSSTQSQALGSLRTTTPAFTLNIPSEANHTEQPPAGLG				
TTL3/1-352	-----				
TTL4/1-1199	RDENEEEEEGDSECSSL SAVSP-----SESVAMISRSCMEILTKPLSNHEKVV				
TTL5/1-1277	-----MARDLEETASSSEDE				
TTL6/1-569	-----				
TTL7/1-957	KKKKGTITANVAGTKFEIVRLVIDEMGFMKTPDEDE-----				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	CPVGPAHERPMGSSQE EGLRCQPSQPDHDADGHC GPDLEGAERASATPGPPG				
TTL11/1-538	APAQPS--AA-EEGNTQVLQRPPPTLPPSKPKPVQGLCPHGKPRDKGRSCKR				
TTL12/1-644	VTRDFAYGET---DPLIRKC-----MLLPWAPTDM LDLSSCT-----PEPP				
TTL13/1-459	KALKNGVPS-PIMATKIPKKV IAPVDTGDLEAGRKR RRRKR RSLAINLTNC-				

Conservation



Quality



Consensus


 KP-KPA-EA--E-S-L++++-PP-+-+K++--R-D++-AT---ANPSEPG

	680	690	700	710	720
TTL/1-377	-----MYTFVVRDENS				
TTL1/1-423	-----MAGKVKWVTDIE				
TTL2/1-592	ARLQEAGVSIPPRRGRPTPTLEKKKKPHLMAEDEPSGALLKPLVFRVDET--				
TTL3/1-352	-----				
TTL4/1-1199	RPALIIYSLFPNVPPTIYFGTRDE-----RVEKLPWEQRKLLRWKMST--V				
TTL5/1-1277	EVI SQEDHPCIMWTGGCRRIPVLVFHADAILTKDNNIRVIGERYHLSYKIVR				
TTL6/1-569	-----				
TTL7/1-957	-MPSLPQEGVIQGPSPLDLNTE--LPYQSTMKRKVR--KKKKKGTITANVAG				
TTL8/1-834	-----MRLLDGKQTSRYSENAC-EKKIFSIYGH				
TTL9/1-347	-----MN				
TTL10/1-673	LLNSHRPADSDDTNAAGPSAALLEGLLLGGGKPSPHSTRPGPFFYIGGSN--				
TTL11/1-538	SSGH---GSGEN-----GSQ-----RP-----VTVDSSKARTSLDAL				
TTL12/1-644	AEH-----YQAILE-----ENKEKLPLDINPVVHPHGHI FKVYTDVQ				
TTL13/1-459	-----				

Conservation



Quality



Consensus

A--S-----S-I--PG-----T-EL---LL-GRKD++PS+-PKPLKF+VSTD+-

	730	740	750	760	770
<i>TTL/1-377</i>	S V Y A E V S R L L L A T G		H W K R L R R D N	P R	
<i>TTL1/1-423</i>	K S V L	I N N F E K R G W	V Q V T E N E D		
<i>TTL2/1-592</i>	T P A V V Q S V L L E R G W N K F D K Q E Q N A E				
<i>TTL3/1-352</i>					
<i>TTL4/1-1199</i>	T P N	I V K Q T I G R S H F K I S K R N D			
<i>TTL5/1-1277</i>	T D S R L V R S I L T A H G F H E V H P S S				
<i>TTL6/1-569</i>					
<i>TTL7/1-957</i>	T K F E I V R L V I D E M G F M K T P D E D E				
<i>TTL8/1-834</i>	Y P V V	R A A L R R K G W V E K K F H	F L P	K V I P D V E D E G A R V N D D T C A	
<i>TTL9/1-347</i>	T L M	D V L R H R P G W V E V K D E G			
<i>TTL10/1-673</i>	G A T I I S S Y C K S K G W Q R I H D S R R D				
<i>TTL11/1-538</i>	K I S I R Q L	K W K E F P F G R R			
<i>TTL12/1-644</i>	Q V A S	S L T H P R F T L T Q S E			
<i>TTL13/1-459</i>	K Y E	S V R R A A Q M C G L K E V G E D E			

Conservation



Quality



Consensus



	790	800	810	820	830
TTL/1-377	----- FNLMLGERN----				
TTL1/1-423	----- WNFYW-----				
TTL2/1-592	----- DWNLYWRTSS----				
TTL3/1-352	-----				
TTL4/1-1199	----- DWLGCWGHM----				
TTL5/1-1277	----- TDYNLMWTGSH----				
TTL6/1-569	-----				
TTL7/1-957	----- TSNLIWCDSA----				
TTL8/1-834	KVKENQEMALEK-----	TDNIHD-----	VMSRLVKNE	MPYLLWTIKR----	
TTL9/1-347	----- EWDFYWCDVS----				
TTL10/1-673	----- DYT LKWCEVK----				
TTL11/1-538	----- LPCDIYWHGVS----				
TTL12/1-644	----- ADADILFNFSH----				
TTL13/1-459	----- EWTLYWTDCA----				

Conservation



Quality



Consensus



	840	850	860	870	880
TTL/1-377	R L P F G R L G H E P G L V				
TTL1/1-423			M S V Q T I R N V F S V E		A
TTL2/1-592	F R M T E H N S V K P				
TTL3/1-352					
TTL4/1-1199	K S P S - F R S I				R
TTL5/1-1277	L K P F L L R T L S				
TTL6/1-569					
TTL7/1-957	V Q Q E K I S E L				
TTL8/1-834	D I I D Y H				
TTL9/1-347	W L R E N F D H				T
TTL10/1-673	S R D S Y G S			F R E G E Q L L D Q	
TTL11/1-538	F H D N D - I				
TTL12/1-644	F K - D Y R K				
TTL13/1-459	V S L E R V M D M				K

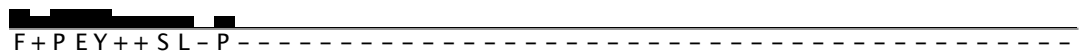
Conservation



Quality



Consensus

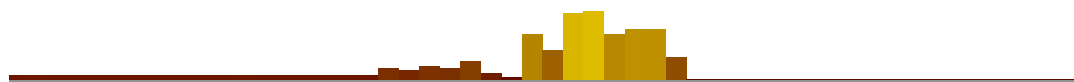


	890	900	910	920	930
TTL/1-377	-----Q L V N Y Y R-----				
TTLL1/1-423	-----G Y R L S D D Q I V N H F P-----				
TTLL2/1-592	-----W Q Q L N H H P G-----				
TTLL3/1-352	-----				
TTLL4/1-1199	-----E H Q K L N H F P-----				
TTLL5/1-1277	-----E A Q K V N H F P R-----				
TTLL6/1-569	-----				
TTLL7/1-957	-----Q N Y Q R I N H F P G-----				
TTLL8/1-834	-----S L T Y D Q M L N H Y A-----				
TTLL9/1-347	-----Y - M D E H V R I S H F R-----				
TTLL10/1-673	L P N N K L L T T K I G L L S T L R G R A R A - M S K A S K V P G-----				
TTLL11/1-538	-----F S G Q V N K F P G-----				
TTLL12/1-644	-----L S Q E R P G V L L N Q F P-----				
TTLL13/1-459	-----R F Q K I N H F P G-----				

Conservation



Quality



Consensus

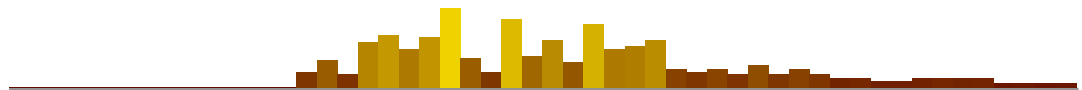


	940	950	960	970	980
TTL/1-377	-----	GADKLCRKASLVKLIKTSPELA	-----	E	----
TTL1/1-423	-----	NHYELTRKDLNVKNIKRYRKE	-----	LEKEGSP LAEK	----
TTL2/1-592	-----	TTKLTRKDCLAKHLKHMRRMYGTS LYQ	-----		----
TTL3/1-352	-----		-----		----
TTL4/1-1199	-----	GSFQIGRKDR LWRNLSRMQSRFGKKE	-----		----
TTL5/1-1277	-----	SYELTRKDR LYKNIIRMQH THGFKV	-----		----
TTL6/1-569	-----		-----		----
TTL7/1-957	-----	MGEICRKDFLARNMTKMIKSRPLD	-----		----
TTL8/1-834	-----	KTASFTTKIGLCVNMRS LPWYV	-----		----
TTL9/1-347	-----	NHYELTRKNYMKNLKRFRKQLEREAGKLEAAKC	-----		----
TTL10/1-673	-----	GVQARLEKDAAAPAL EDLPWTSPGYL	-----		----
TTL11/1-538	-----	MTEMVRKITLSRAVRTMQNLFPEE	-----		----
TTL12/1-644	-----	CENLLTVKDCLAS IARRAGGP	-----	E	----
TTL13/1-459	-----	MTEICRKDLLARNLNRM YKLYPSE	-----		----

Conservation



Quality



Consensus

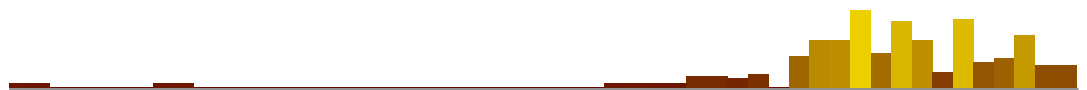


	990	1000	1010	1020	1030
TTL/1-377	-----SCTWFPESYVIYPTNL				
TTL1/1-423	DE-----NG-----KYLYLDFVPVTYMLPADYN				
TTL2/1-592	-----FIPLTFVMPNDYT				
TTL3/1-352	-----				
TTL4/1-1199	-----FSFFPQSFILPQDAK				
TTL5/1-1277	-----FHILPQTFLLPAEYA				
TTL6/1-569	-----				
TTL7/1-957	-----YTFVPRTWIFPAEYT				
TTL8/1-834	-----PANPDSFFPRCYSLECTES-				
TTL9/1-347	-----DFFPKTFEMPCEYH				
TTL10/1-673	-----RPQRVLRMEEFFPETYRLDLKHE				
TTL11/1-538	-----YNFYPRSWILPDEFQ				
TTL12/1-644	-----GPPWLPRTFNLRTelp				
TTL13/1-459	-----YNI FPRTWCLPADYG				

Conservation



Quality



Consensus



	1050	1060	1070	1080	1090
TTL/1-377	KTPVAPAQNGIQPPISNS	RTDERÉFFLASYNRK	K	---	---
TTL1/1-423	---	---	LFVEEF	---	---
TTL2/1-592	---	---	KFVAEYFQERQ	---	---
TTL3/1-352	---	---	---	---	---
TTL4/1-1199	---	---	LLRKAW	---	---
TTL5/1-1277	EF	---	---	---	---
TTL6/1-569	---	---	---	---	---
TTL7/1-957	QFQNYVK	---	---	---	---
TTL8/1-834	---	EQQEFLED	---	FRRTMASSILKWVV	SHQS
TTL9/1-347	---	---	LFVEEFRKNP	---	---
TTL10/1-673	REA	---	FFTLFDE	---	---
TTL11/1-538	LFVAQVQMV	---	---	---	---
TTL12/1-644	---	---	QFVS YFQQR	---	---
TTL13/1-459	DFQSYG	---	---	---	---

Conservation



Quality



Consensus



	1100	1110	1120	1130	1140
<i>TTL/1-377</i>	-	-	-	-	-
<i>TTLL1/1-423</i>	-	-	-	-	-
<i>TTLL2/1-592</i>	-	-	-	-	-
<i>TTLL3/1-352</i>	-	-	-	-	-
<i>TTLL4/1-1199</i>	-	-	-	-	-
<i>TTLL5/1-1277</i>	-	-	-	-	-
<i>TTLL6/1-569</i>	-	-	-	-	-
<i>TTLL7/1-957</i>	-	-	-	-	-
<i>TTLL8/1-834</i>	C	S	R	S	S
<i>TTLL9/1-347</i>	R	S	R	S	K
<i>TTLL10/1-673</i>	-	P	-	-	-
<i>TTLL11/1-538</i>	-	R	D	Q	R
<i>TTLL12/1-644</i>	-	-	-	-	-
<i>TTLL13/1-459</i>	-	-	-	-	-

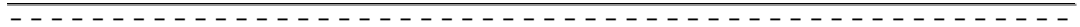
Conservation



Quality



Consensus



	1150	1160	1170	1180	1190
TTL/1-377	-----				
TTLL1/1-423	-----				
TTLL2/1-592	-----				
TTLL3/1-352	-----M-----DIDKD-----LEAPLYLT				
TTLL4/1-1199	-----				
TTLL5/1-1277	-----				
TTLL6/1-569	-----				
TTLL7/1-957	-----				
TTLL8/1-834	Q---LVDIACKVCQA-----YLGQLEHE-----DIDTS---ADAVEDLT				
TTLL9/1-347	-----				
TTLL10/1-673	-----				
TTLL11/1-538	-----				
TTLL12/1-644	-----				
TTLL13/1-459	-----				

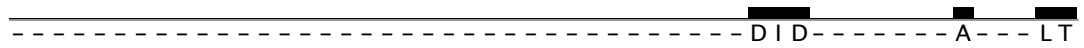
Conservation



Quality



Consensus



	1200	1210	1220	1230	1240
TTL/1-377	-----	-----	-----	-----	-----
TTL1/1-423	-----	-----	-----	-----	-----
TTL2/1-592	-----	-----	-----	-----	-----
TTL3/1-352	P E G - - - W S L F L Q R -	-----	-----	-----	-----
TTL4/1-1199	-----	-----	-----	-----	-----
TTL5/1-1277	-----	-----	-----	-----	-----
TTL6/1-569	-----	-----	-----	-----	-----
TTL7/1-957	-----	-----	-----	-----	-----
TTL8/1-834	E A E - - - W E D L T Q Q -	-----	-----	-----	-----
TTL9/1-347	-----	-----	-----	-----	-----
TTL10/1-673	-----	-----	-----	-----	-----
TTL11/1-538	-----	-----	-----	-----	-----
TTL12/1-644	-----	-----	-----	-----	-----
TTL13/1-459	-----	-----	-----	-----	-----

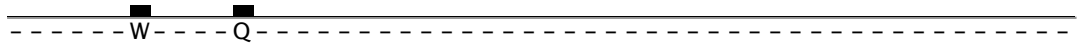
Conservation



Quality



Consensus



	1250	1260	1270	1280	1290
TTL/1-377	-----				
TTLL1/1-423	-----				
TTLL2/1-592	-----				
TTLL3/1-352	-----YYQVVHE-----GAEL				
TTLL4/1-1199	-----				
TTLL5/1-1277	-----				
TTLL6/1-569	-----				
TTLL7/1-957	-----				
TTLL8/1-834	-----YYSLVQVPLGSSIVLCIFKIQKVMMSF				
TTLL9/1-347	-----				
TTLL10/1-673	-----				
TTLL11/1-538	-----				
TTLL12/1-644	-----				
TTLL13/1-459	-----				

Conservation



Quality



Consensus



	1310	1320	1330	1340	1350
TTL/1-377	-----	-----	EDGEGN-VWIAKSS	SAGAKGEGILIS	
TTL1/1-423	-----	-----	RKSP-SSTWIMKPCGKAQ	GKGI FLI	
TTL2/1-592	-----	-----	M-LGTHSYWICKPAELS	SRGRGILIF	
TTL3/1-352	RHLDTQVQRCEDI	LQQLQAVVP---	QIDMEGDRNIWIVK	PAGAKSRGRG---	
TTL4/1-1199	-----	-----	ES-SSR--QKWIVKPP	ASARGIGIQVI	
TTL5/1-1277	-----	-----	CNSYSKDRGPWIVK	PVASSRGRGVYLI	
TTL6/1-569	-----	-----	-----	-----	
TTL7/1-957	-----	-----	ELKKRKQKTFIVK	PANGAMGHGISLI	
TTL8/1-834	EPPTARDRQCQALL	NRITSVNP---	QTDIDGLRNIWII	KPAAKSRGRGESPD	
TTL9/1-347	-----	-----	-----	GITWIMKPVARSQ	GKGI FLF
TTL10/1-673	-----	-----	-----	TQIWICKPTASNQ	GKGI FLI
TTL11/1-538	-----	-----	KDDDP	SWKPTFIVKPDGGCQGDGIYLI	
TTL12/1-644	-----	-----	ERWGEDNH-WICKP	WNLARS LD---	
TTL13/1-459	-----	-----	RQRKARTYICKP	DSGCQGRGIFIT	

Conservation



Quality



Consensus



		1360	1370	1380	1390	1400
TTL/1-377	S E A S E	- - - - -	L L D	- - - - -	- - - - -	- - - - -
TTL1/1-423	N K L S Q I K K W S R	- - - - -	- - - - -	- - - - -	D S K T S S F V S Q	- S - - - - N K
TTL2/1-592	S	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TTL3/1-352	I M C M D H L E E M L K L V N	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TTL4/1-1199	H K W S Q L P K R R	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TTL5/1-1277	N N P N	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TTL6/1-569	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TTL7/1-957	R	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TTL8/1-834	I V C M D R V E E I L E L A A	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TTL9/1-347	R R L K D I V D W R K	- - - - -	- - - - -	- - - - -	D	- - - - - T R S S D D Q
TTL10/1-673	R N	- - - - - Q E E	- - - - - V A A L Q A K T R S M E D D P I H	- - - - -	- - - - -	- - - - -
TTL11/1-538	K D P S D I R L A G T L	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TTL12/1-644	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TTL13/1-459	R	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

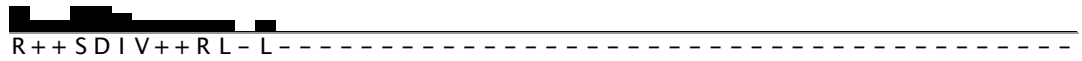
Conservation



Quality



Consensus



	1410	1420	1430	1440	1450
TTL/1-377	-----FIDNQG--QVHV IQKYLEHP L L L E P-----				
TTL1/1-423	E-----AYVISLY INNP L L I G-----				
TTL2/1-592	-----DFKDF I FDDMY IVQKY I SNP L L I G-----				
TTL3/1-352	-----GNPVVMKDGK W V V QKY I ER P L L I F-----				
TTL4/1-1199	-----P L L V Q R Y L H K P Y L I S-----				
TTL5/1-1277	-----Q I S L E E N I L V S R Y I N N P L L I D-----				
TTL6/1-569					
TTL7/1-957	-----N G D K L P S Q D H L I V Q E Y I E K P F L M E-----				
TTL8/1-834	-----A D H P L S R D N K W V V Q K Y I E T P L L I C-----				
TTL9/1-347	K D D-----I P V E N Y V A Q R Y I E N P Y L I G-----				
TTL10/1-673	-----H K T P F R G P Q A R V V Q R Y I Q N P L L V D-----				
TTL11/1-538	-----Q S R P A V V Q E Y I C K P L L I D-----				
TTL12/1-644	-----T H V T K S L H-----S I I R H R E S T P K V V S K Y I E S P V L F L R E D V---				
TTL13/1-459	-----N P R E I K P G E H M I C Q Q Y I S K P L L I D-----				

Conservation



Quality



Consensus



	1460	1470	1480	1490	1500
TTL/1-377	-----GHRKFDIRSWVLVD--H-----				
TTL1/1-423	-----GRKFDLRLYVLVSTYR-----				
TTL2/1-592	-----RYKCDLR IYVCVTGFK-----				
TTL3/1-352	-----GTKFDLRQWFLVTDWN-----				
TTL4/1-1199	-----GSKFDLR IYVYVTSYD-----				
TTL5/1-1277	-----DFKFDVRLYVLVTSYD-----				
TTL6/1-569	-----				
TTL7/1-957	-----GYKFDLR IY I LVTSCD-----				
TTL8/1-834	-----DTKFDIRQWFLVTDWN-----				
TTL9/1-347	-----GRKFDLRVYV LVM S Y I-----				
TTL10/1-673	-----GRKFDVRSYLL IACTT-----				
TTL11/1-538	-----KLKFDIRLYVLLKSLD-----				
TTL12/1-644	-----G-KVKFDIRY I V L L R S V R-----				
TTL13/1-459	-----GFKFDMRVYV L I T S C D-----				

Conservation



Quality



Consensus



	1510	1520	1530	1540	1550
TTL/1-377	-----QYNIYLYREGVLR-----				TASEPYHVD--
TTL1/1-423	-----PLRCYMYKLGFCR-----				FCTVKYTPSTS
TTL2/1-592	-----PLTIYVYQEGVLR-----				FATEKFDSLNL
TTL3/1-352	-----PLTVWFYRDSYIR-----				FSTQPFSLKNL
TTL4/1-1199	-----PLRIYLFSDGLVR-----				FASCKYSP-SM
TTL5/1-1277	-----PLVIYLYEEGLAR-----				FATVRYDQGAK
TTL6/1-569	-----				-----
TTL7/1-957	-----PLKIFLYHDGLVR-----				MGTEKYIPPNE
TTL8/1-834	-----PLTIWFKESYLR-----				FSTQRFSLDKL
TTL9/1-347	-----PLRAWLYRDGFAR-----				FSNTRFTLNSI
TTL10/1-673	-----PY-MIFFGHGYAR-----				LTLSLYDPHS-
TTL11/1-538	-----PLEIYIAKDGLSR-----				FCTEPYQEPTP
TTL12/1-644	-----PLRLFVYDVFWLR-----				FSNRAFALND-
TTL13/1-459	-----PLRIFTYEEGLAR-----				FATTPYMEPSH

Conservation



Quality



Consensus



		1570	1580	1590	1600	1610
TTL/1-377						
TTL1/1-423	E L					
TTL2/1-592						
TTL3/1-352						
TTL4/1-1199	K S L					
TTL5/1-1277	N I R					
TTL6/1-569						
TTL7/1-957	S N L					
TTL8/1-834						
TTL9/1-347						
TTL10/1-673						
TTL11/1-538	K N L					
TTL12/1-644						
TTL13/1-459	N N L					

Conservation



Quality

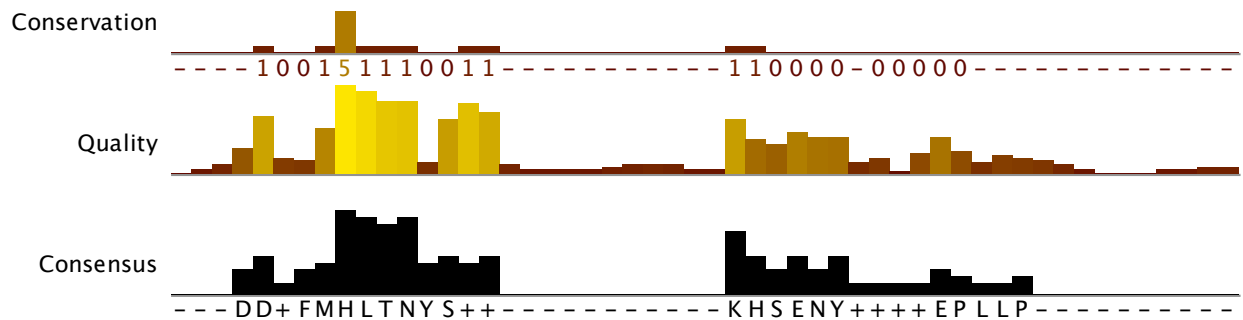


Consensus



+ N L

	1620	1630	1640	1650	1660
<i>TTL/1-377</i>	- N F Q D K T C H L T N H C I Q K E Y S K N Y G K - -	- Y E E G - - - -	- N E M F F K E F - - - -	- N Q Y L	
<i>TTL1/1-423</i>	- - - D N M F V H L T N V A I Q - - - - - - - - - -	- K H G E D Y N H I H - - - - - - - - - -			
<i>TTL2/1-592</i>	- - - Q N N Y A H L T N S S I N - - - - - - - - - -	- K S G A S Y E K I K E V I G H - - - - - - - - - -			
<i>TTL3/1-352</i>	- - - - D N S V H L C N N S I Q - - - - - - - - - -	- K H L E N S - C H R H P L L P P - - - - - - - - - -			
<i>TTL4/1-1199</i>	- - - G N K F M H L T N Y S V N - - - - - - - - - -	- K K N A E Y Q A N A D E M A - - - - - - - - - -	- C Q		
<i>TTL5/1-1277</i>	- - - - N Q F M H L T N Y S V N - - - - - - - - - -	- K K S G D Y V S C D D P E V E D Y - - - - - - - - - -			
<i>TTL6/1-569</i>	- -				
<i>TTL7/1-957</i>	- - - T Q L Y M H L T N Y S V N - - - - - - - - - -	- K H N E H F E R D E T E N K G S K R - - - - - - - - - -			
<i>TTL8/1-834</i>	- - - - D S A I H L C N N A V Q - - - - - - - - - -	- K Y L K N D - V G R S P L L P A - - - - - - - - - -			
<i>TTL9/1-347</i>	- - - D D Q Y V H L T N V A V Q - - - - - - - - - -	- K T S P D Y - - - - H P K K - - - - - - - - - -			
<i>TTL10/1-673</i>	- - - S D L G G H L T N Q F M Q - - - - - - - - - -	- K K S P L Y M L L K E - - - - - - - - - -			
<i>TTL11/1-538</i>	- - - H R I F M H L T N Y S L N - - - - - - - - - -	- I H S G N F I H S D S A S T - - - - - - - - - -			
<i>TTL12/1-644</i>	- - L D D Y E K H F T V M N Y D P - - - - D V V L K Q V H C E E F I P E F E K Q Y P - - - -				
<i>TTL13/1-459</i>	- - - D N V C M H L T N Y A I N - - - - - - - - - -	- K H N E N F V R D G A V - - - - - - - - - -			



	1670	1680	1690	1700	1710
<i>TTL/1-377</i>	T S A - L N I				
<i>TTL1/1-423</i>					
<i>TTL2/1-592</i>					
<i>TTL3/1-352</i>					
<i>TTL4/1-1199</i>					
<i>TTL5/1-1277</i>					
<i>TTL6/1-569</i>					
<i>TTL7/1-957</i>					
<i>TTL8/1-834</i>					
<i>TTL9/1-347</i>					
<i>TTL10/1-673</i>					
<i>TTL11/1-538</i>					
<i>TTL12/1-644</i>					
<i>TTL13/1-459</i>					

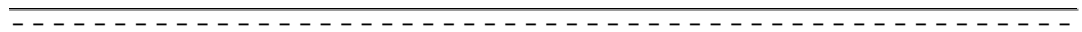
Conservation



Quality



Consensus

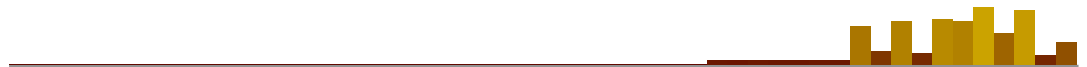


	1720	1730	1740	1750	1760
TTL/1-377	-----				
TTLL1/1-423	-----G G K W T V S N L R L				
TTLL2/1-592	-----G C K W T L S R F F S				
TTLL3/1-352	-----D N M W S S Q R F Q A				
TTLL4/1-1199	-----G H K W A L K A L W N				
TTLL5/1-1277	-----G N K W S M S A M L R				
TTLL6/1-569	-----M E G C L G V A V L R K L S T F S A				
TTLL7/1-957	-----S I K W F T E F L Q A				
TTLL8/1-834	-----H N M W T S T R F Q E				
TTLL9/1-347	-----G C K W M L Q R F R Q				
TTLL10/1-673	-----H T V W S M E H L N R				
TTLL11/1-538	-----G S K R T F S S I L C				
TTLL12/1-644	-----				
TTLL13/1-459	-----G S K R K L S T L N I				

Conservation



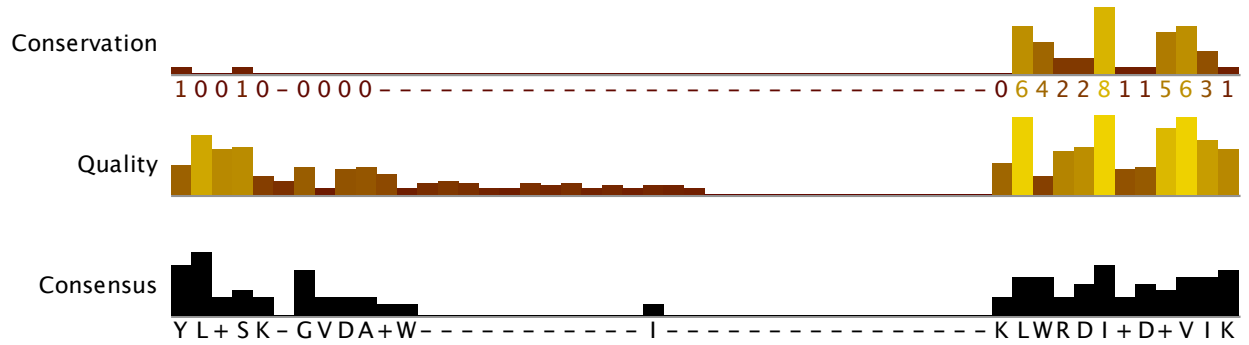
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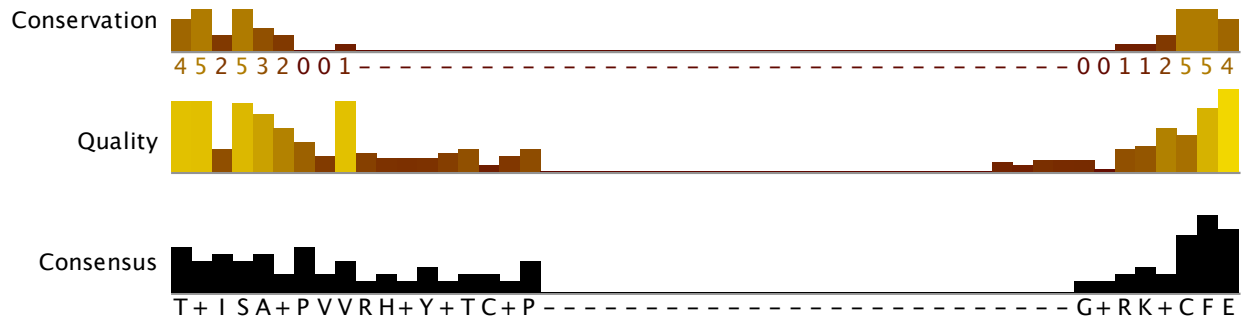
Consensus



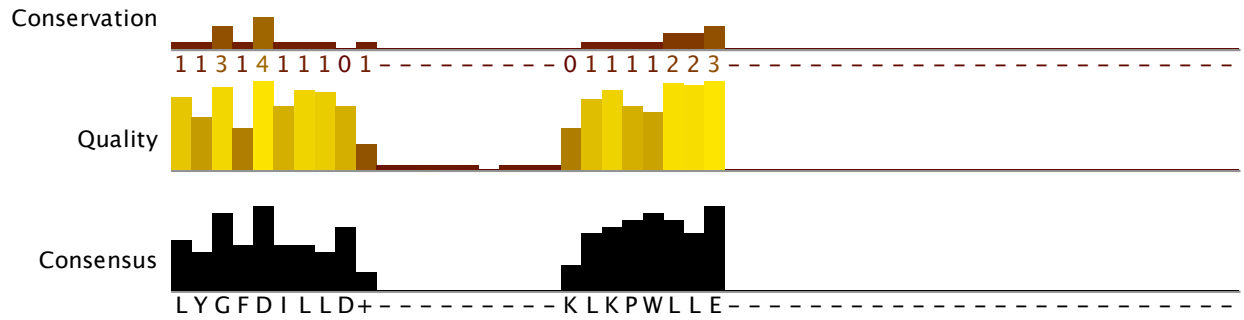
	1770	1780	1790	1800	1810
TTL/1-377	-----TLESSILLQIKH-----IIRNCLLSVEP				
TTL1/1-423	YLESTRGKEVTS-----KLFDEIHWIIVQ				
TTL2/1-592	YLRSW-DVDDL-----LWKKIHRMVI L				
TTL3/1-352	HLQEM-GAPNAWST-----IIVPGMKDAVIH				
TTL4/1-1199	YLSQK-GVNSD-----AIWEKIKDVVVK				
TTL5/1-1277	YLKQE-GRDTT-----ALMAHVEDLI I K				
TTL6/1-569	YLEDHSYNVE-----QIWRDIEDVI I K				
TTL7/1-957	NQHDVA-----KFWSDISELVVK				
TTL8/1-834	YLQRQ-GRGAVWGS-----VIYPSMKKAIAH				
TTL9/1-347	YLASKHGPEAVE-----TLFRDIDNIFVK				
TTL10/1-673	YISDT-FWKARGLAKDWVFT-----TLKKRMQQIMAH				
TTL11/1-538	RLSSK-GVDIK-----KVWSDIISVVIK				
TTL12/1-644	-----EFPW-TDVQAEIFR-----AFTELFQVACA				
TTL13/1-459	WLQEH-SYNPG-----ELWGDIEDII I K				



		1830	1840	1850	1860	1870
<i>TTL/1-377</i>	A I S T K H	-----				L P Y Q S F Q
<i>TTL1/1-423</i>	S L K A V A P V M	-----				N N D K H C F E
<i>TTL2/1-592</i>	T I L A I A P S V	-----				P F A A N C F E
<i>TTL3/1-352</i>	A L Q T S Q D T V	-----				Q C R K A S F E
<i>TTL4/1-1199</i>	T I I S S E P Y V T S L L K M Y V R	-----				R P Y S C H E
<i>TTL5/1-1277</i>	T I I S A E L A I A T A C K T F V P	-----				H R S S C F E
<i>TTL6/1-569</i>	T L I S A H P I I R H N Y H T C F P	-----				N H T L N S A C F E
<i>TTL7/1-957</i>	T L I V A E P H V L H A Y R M C R P	-----				G Q P P G S E S V C F E
<i>TTL8/1-834</i>	A M K V A Q D H V	-----				E P R K N S F E
<i>TTL9/1-347</i>	S L Q S V Q K V I	-----				I S D K H C F E
<i>TTL10/1-673</i>	C F L A A K P K L	-----				D C K L G Y F D
<i>TTL11/1-538</i>	T V I A L T P E L K V F Y Q S D I P	-----				T G R P G P T C F Q
<i>TTL12/1-644</i>	K P P P L G L	-----				C D Y P S S R A
<i>TTL13/1-459</i>	T I I S A H S V L R H N Y R T C F P	-----				Q Y L N G G T C A C F E



		1880	1890	1900	1910	1920
<i>TTL/1-377</i>	L F G F D F M V D E			E L K V W L I E		
<i>TTL1/1-423</i>	C Y G Y D I I I D D			K L K P W L I E		
<i>TTL2/1-592</i>	L F G F D I L I D D			N L K P W L L E		
<i>TTL3/1-352</i>	L Y G A D F V F G E			D F Q P W L I E		
<i>TTL4/1-1199</i>	L F G F D I M L D E			N L K P W V L E		
<i>TTL5/1-1277</i>	L Y G F D V L I D S			T L K P W L L E		
<i>TTL6/1-569</i>	I L G F D I L L D H			K L K P W L L E		
<i>TTL7/1-957</i>	V L G F D I L L D R			K L K P W L L E		
<i>TTL8/1-834</i>	L Y G A D F V L G R			D F R P W L I E		
<i>TTL9/1-347</i>	L Y G Y D I L I D Q			D L K P W L L E		
<i>TTL10/1-673</i>	L I G C D F L I D D			N F K V W L L E		
<i>TTL11/1-538</i>						
<i>TTL12/1-644</i>	M Y A V D L M L K W D N G P D		G R R V M Q P Q I L E			
<i>TTL13/1-459</i>	I L G F D I L L D H			K L K P W L L E		



	1930	1940	1950	1960	1970
TTL/1-377	-----	VNGAPACAQKLYAEL	-----	CQG	
TTL1/1-423	-----	VNASPSLTSSSTANDRILKYN	-----	L	
TTL2/1-592	-----	VNYSPALTLDCSTDVLVKRK	-----	L	
TTL3/1-352	-----	INASPTMAPSTAVTARLCAG	-----	V	
TTL4/1-1199	-----	VNISPSLHSSSPLDISIKGQ	-----	M	
TTL5/1-1277	-----	VNLSPSLACDAPLDLKI KAS	-----	M	
TTL6/1-569	-----	VNHSPSFSTDSRLDK EVKDG	-----	L	
TTL7/1-957	-----	INRAPSGFTDQKIDYDVKRG	-----	V	
TTL8/1-834	-----	INSSPTMHPSTPVTAQLCAQ	-----	V	
TTL9/1-347	-----	VNASPSLTASSQEDYELKTC	-----	L	
TTL10/1-673	-----	MNSNPALHTNCEVLKEVIPG	-----	V	
TTL11/1-538	-----		-----		
TTL12/1-644	-----	VNFNPDCERACRYHP	-----	TFFND	
TTL13/1-459	-----	VNHSPSF TTDSCLDQEVKDA	-----	L	

Conservation



Quality



Consensus

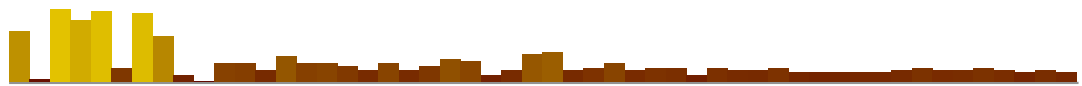


	1980	1990	2000	2010	2020	
TTL/1-377	I V D I A I S	-----				
TTL1/1-423	I N D T L N I A V P	- N G E I P D C K W N K S	----- P P K E V L			
TTL2/1-592	V H D I I D L I	- Y	-----			
TTL3/1-352	Q A D T L R V V I D R M L D	----- R N C D T G A F E L		-----		
TTL4/1-1199	I R D L L N L A G F V L P N	----- A E D I I S S		-----		
TTL5/1-1277	I S D M F T V V G F V C Q D P A Q R A S T R P I Y P T F E S S R R N P F Q K P	- Q R C R P L S A S D A E				
TTL6/1-569	L Y D T L V L I N L E S C D K K K V L E E E R Q R G Q F L	- Q Q C C S R E M R I E E A K G F R A V Q L K				
TTL7/1-957	L L N A L K L L N I R T S D K R R N L A K Q K A E A Q R R L	-----				
TTL8/1-834	Q E D T I K V A V D R	----- S C D I G N F E L		-----		
TTL9/1-347	L E D T L H V V D M E A	----- R S L R A D S		- - - P C - - - - -		
TTL10/1-673	V I E T L D L V L E T F R K S L R G Q K M L P L L S Q R R F V L L H N G E A D P R P H L G G S C S L R R	-----				
TTL11/1-538	-----					
TTL12/1-644	V F S T L F L D Q P G G C H V T C L V	-----				
TTL13/1-459	L C D A M T L V N L R G C D K R K V M E E D K R R V K E R L F Q C Y R Q P R E	-----				

Conservation

0 0 1 0 1 0 0 0 0 0 -----

Quality



Consensus

+ E D T L + L V N + R G C D K R + V L E E R + D R G Q F + L - + C - - - E - - - - - G - S A S - - -

	2030	2040	2050	2060	2070	
TTL/1-377	-----SVFP PPDVE-----QPQTQP----					
TTL1/1-423	-----					
TTL2/1-592	-----					
TTL3/1-352	-----					
TTL4/1-1199	-----					
TTL5/1-1277	MKNLVGSAREKGPGKLGGSVLGLSMEEIKVLRRVKEENDRRGGFIRIFPTSE					
TTL6/1-569	KTET-----					
TTL7/1-957	-----					
TTL8/1-834	-----					
TTL9/1-347	-----					
TTL10/1-673	WPPLPTRQAKSSGPPM-----					
TTL11/1-538	-----					
TTL12/1-644	-----					
TTL13/1-459	-----					

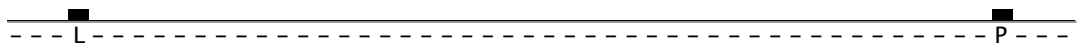
Conservation



Quality



Consensus



	2090	2100	2110	2120	2130
TTL/1-377	AAFIKL				
TTL1/1-423					
TTL2/1-592					
TTL3/1-352					
TTL4/1-1199					
TTL5/1-1277	TWEIYGSYLEHKTSMNYMLATRLFQDR			MTADGAP	ELKIE
TTL6/1-569					
TTL7/1-957					
TTL8/1-834					
TTL9/1-347					
TTL10/1-673					
TTL11/1-538	VTIASSQPAFP		ALTGLKRA	LWLR	VG
TTL12/1-644					
TTL13/1-459					

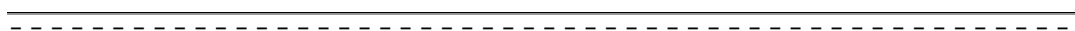
Conservation



Quality



Consensus



	2140	2150	2160	2170	2180
<i>TTL/1-377</i>	-	-	-	-	-
<i>TTLL1/1-423</i>	-	-	-	-	-
<i>TTLL2/1-592</i>	-	-	-	-	-
<i>TTLL3/1-352</i>	-	-	-	-	-
<i>TTLL4/1-1199</i>	-	-	-	-	-
<i>TTLL5/1-1277</i>	S	L	N	S	K
<i>TTLL6/1-569</i>	A	K	L	H	A
<i>TTLL7/1-957</i>	A	L	Y	E	R
<i>TTLL8/1-834</i>	K	L	L	S	L
<i>TTLL9/1-347</i>	E	V	R	K	R
<i>TTLL10/1-673</i>	R	R	R	S	S
<i>TTLL11/1-538</i>	R	L	R	A	M
<i>TTLL12/1-644</i>	R	P	K	Y	P
<i>TTLL13/1-459</i>	V	I	T	Q	P
	A	E	M	N	V
	K	-	-	-	-

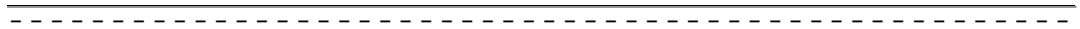
Conservation



Quality



Consensus



	2190	2200	2210	2220	2230
TTL/1-377	-	-	-	-	-
TTLL1/1-423	-	-	-	-	-
TTLL2/1-592	-	-	-	-	-
TTLL3/1-352	-	-	-	-	-
TTLL4/1-1199	-	-	-	-	-
TTLL5/1-1277	-	-	-	-	-
TTLL6/1-569	-	-	-	-	-
TTLL7/1-957	-	-	-	-	-
TTLL8/1-834	-	-	-	-	-
TTLL9/1-347	-	-	-	-	-
TTLL10/1-673	P	-	-	H A P D	-
TTLL11/1-538	-	-	-	-	-
TTLL12/1-644	-	-	-	-	-
TTLL13/1-459	-	-	-	-	-

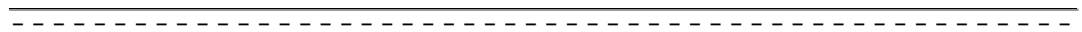
Conservation



Quality



Consensus



	2290	2300	2310	2320	2330
TTL/1-377	-----				
TTL1/1-423	-----GRSRDSG				
TTL2/1-592	-----GNSNIDAA				
TTL3/1-352	RARSSDD----STASWWALRPCRPQARP-----				
TTL4/1-1199	-----KAYYLTQ				
TTL5/1-1277	QDNGNLSKMQARIAFSAYLQHVQIRLMKDSGGQTFSSASWAAKEDQMELVVR				
TTL6/1-569	-----				
TTL7/1-957	-----LAQVRKQ				
TTL8/1-834	LKASAS-----LLDAQPLKARGPSAMPDPAQGPPS				
TTL9/1-347	-----				
TTL10/1-673	EPSPGTAKEREERP-----ENARP-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

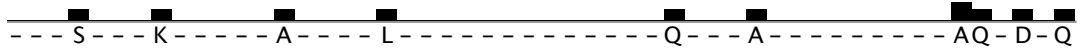
Conservation



Quality



Consensus



	2400	2410	2420	2430	2440
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	-----				
TTL5/1-1277	KSKKKVEEEEDGVNMENFQEFIRQASEAELEEVLTFYQTQKNKSASVFLGTH				
TTL6/1-569	AREEYARQ-LIQELRLKREKKPFQMKKKVEM--QGESAGEQVRKKKGMRGWQQ				
TTL7/1-957	NNPLK-RMKEEDI L D L L E Q C E I D D E K L M G K T T K T R -----				
TTL8/1-834	HVDSQAPNTGVPVAQPAKSWDPNQLNAHPLEPVLRLGLKTAEGALRPPPGGKG				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

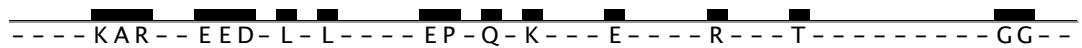
Conservation



Quality



Consensus



	2450	2460	2470	2480	2490
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	-----				
TTL5/1-1277	SKISKNNNNYSDSGAKGDHPETIMEEVKIKPPKQQQTTEIHSDKLSRFTTSA				
TTL6/1-569	KQQQKDKAATQASKQYIQPLTLVSYTPD-----LLLSVRGERKN				
TTL7/1-957	-----				
TTL8/1-834	EGTVCSRLPHHGHHVAACQTTGTTWDGGPGVCFRLRQLLASELPMGPGLPDP				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

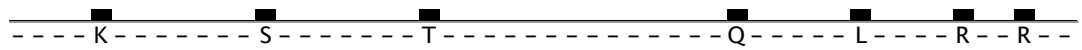
Conservation



Quality



Consensus



	2500	2510	2520	2530	2540
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	-----				
TTL5/1-1277	EKEAKLVYSNSSSGPTATLQKIPNTHLSSVTTSDLSPGPGCHHSSLSQIPSAI				
TTL6/1-569	ETDSSLNQEAPTTEEASSVFPKLTSAKPFSSLPDLRNINLSSSKLEPSKPNFS				
TTL7/1-957	-----				
TTL8/1-834	RAPPCLVCRGLLPAGPCKRCRSFCAAVLQGASFVRLGGRSCSPRTP-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

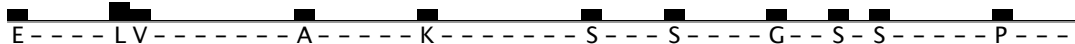
Conservation



Quality



Consensus



	2550	2560	2570	2580	2590
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	-----				
TTL5/1-1277	P S M P H Q P T I L L N T V S A S A S P C L H P G A Q N I P S P T G L P R C R - - - S G S H T I G P F				
TTL6/1-569	I K E A K S A S A V N V F T G T V H L T S V E T T P E S T T Q L S I S P K S P P T L A V T A S S E Y S G				
TTL7/1-957	-----				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

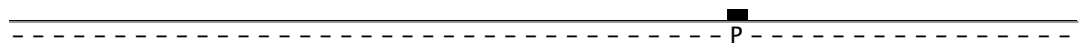
Conservation



Quality



Consensus



	2610	2620	2630	2640	2650
TTL/1-377	-----				
TTLL1/1-423	-----				
TTLL2/1-592	-----				
TTLL3/1-352	-----				
TTLL4/1-1199	-----				
TTLL5/1-1277	-----SSFQSAAH IY SQKL SRPSSAKAGSCYLNKHHSGIAK				
TTLL6/1-569	PETDRVVSFKCKKQQTTPPHLT----QKKMLKSF LPTKSKSFWESPNTNWTLL				
TTLL7/1-957	-----				
TTLL8/1-834	-----				
TTLL9/1-347	-----				
TTLL10/1-673	-----				
TTLL11/1-538	-----				
TTLL12/1-644	-----				
TTLL13/1-459	-----				

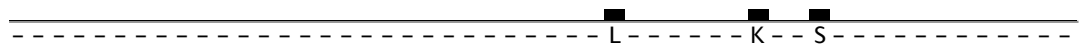
Conservation



Quality



Consensus



	2660	2670	2680	2690	2700
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	-----				
TTL5/1-1277	TQKEGEDASLYSK---RYNQSMVTAE LQRLAEKQAARQYSPSSHINLLTQQ				
TTL6/1-569	KSDMNKPHLISELLTKLQLSGKLSFFPAHYNP KLGMNNLSQNP SLPGECHSR				
TTL7/1-957	-----				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

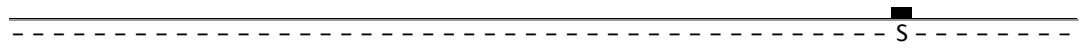
Conservation



Quality



Consensus



	2710	2720	2730	2740	2750
TTL/1-377	-	-	-	-	-
TTLL1/1-423	-	-	-	-	-
TTLL2/1-592	-	-	-	-	-
TTLL3/1-352	-	-	-	-	-
TTLL4/1-1199	-	-	-	-	-
TTLL5/1-1277	VTN	LN	LATG	IIN	-
TTLL6/1-569	SDSS	GEKR	QLDV	SSLL	L
TTLL7/1-957	-	-	-	-	-
TTLL8/1-834	-	-	-	-	-
TTLL9/1-347	-	-	-	-	-
TTLL10/1-673	-	-	-	-	-
TTLL11/1-538	-	-	-	-	-
TTLL12/1-644	-	-	-	-	-
TTLL13/1-459	-	-	-	-	-

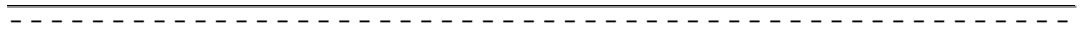
Conservation



Quality



Consensus



	2760	2770	2780	2790	2800
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	-----VLDVLTTPDDVRILVEMEDEF S				
TTL5/1-1277	SG--PTWSTQSDPQAPENHSSSPGSRSLQTGGFAWEGEVENNVYSQATGVVP				
TTL6/1-569	-----QSPQSYNV--TLRDLLVIATPAQLDPRPCRSHASAMRDPCM----QD				
TTL7/1-957	-----GPKPLCSMPESTEIMKRPK-Y				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

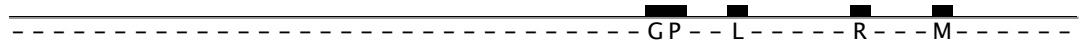
Conservation



Quality



Consensus



	2810	2820	2830	2840	2850
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----				
TTL3/1-352	-----				
TTL4/1-1199	RRGQFERIFPSHISRYLRFEEQPRYFNI LTTQW- EQKYHGK LKGVDLLRS				
TTL5/1-1277	QHKYHPTAGSYQLQFALQQLLEQQKLQSRQLLDQSRARHQAIFGSQTL PNSNL				
TTL6/1-569	QEAYSHCLISGQKGCERS-----				
TTL7/1-957	CSSDSSSYDSSSSSSSESDENEKEEYQNK KREKQ-----VTYN-----				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

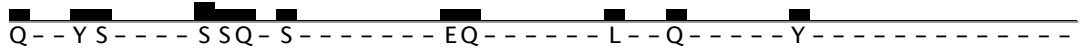
Conservation



Quality



Consensus



	2870	2880	2890	2900	2910
TTL/1-377	-----				
TTLL1/1-423	-----				
TTLL2/1-592	-----				
TTLL3/1-352	-----				
TTLL4/1-1199	-----				
TTLL5/1-1277	WTMNGAGCR I S SATASGQKPTTLPQKVVP P P S SCASLVPKP ----- P P				
TTLL6/1-569	-----				
TTLL7/1-957	----- L K P S N H Y K L I Q Q P S S -----				
TTLL8/1-834	-----				
TTLL9/1-347	-----				
TTLL10/1-673	-----				
TTLL11/1-538	-----				
TTLL12/1-644	-----				
TTLL13/1-459	-----				

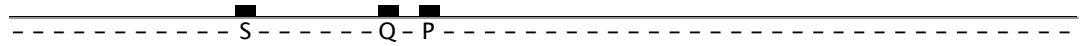
Conservation



Quality



Consensus



	2920	2930	2940	2950	2960
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	-----VVEKAVSVRP				
TTL3/1-352	-----				
TTL4/1-1199	-----WCYKGFHMGVVSDSAP-VWSLPT--SLLTIS				
TTL5/1-1277	NHEQ---VLRRATSQ---KASK-----				
TTL6/1-569	-----				
TTL7/1-957	-----IRRSVSCPRSIS--AQSPSSGDTR				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

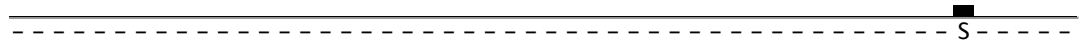
Conservation



Quality



Consensus



	2970	2980	2990	3000	3010
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	EAAPASQLEGEMSGQDFHLS-TREM-----PQSKPKLRSR-----H				
TTL3/1-352	-----				
TTL4/1-1199	KDDVILNAFSKSETSKLGKQSSCEVSLLLSEDTTPKSKKTQ--AGLSPYPQ				
TTL5/1-1277	--GSSAEGQLNGLQSSLNPAASVPITSSSTDPAHTKI-----				
TTL6/1-569	-----				
TTL7/1-957	PFSAQQMISVSRPTS-ASRSHSLNRASSYMRHLPHSNDACSTNSQVS----E				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

Conservation



Quality



Consensus



-----T S - L - - S - S - E - - S S - - - - T - - - - K - - - - -

	3020	3030	3040	3050	3060
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	TP--HKTLMPLYASLFQSHSCKTK-----TS--				
TTL3/1-352	-----				
TTL4/1-1199	KPSSSKDS EDTSKEPSLSTQTLPLVIKCSGQTSRLSASSTFQSI SD SLLAVSP				
TTL5/1-1277	-----				
TTL6/1-569	-----				
TTL7/1-957	SLRQLKTK EQEDDLTSQTLFVLKDMKIR-----FPGKSDAESEL				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

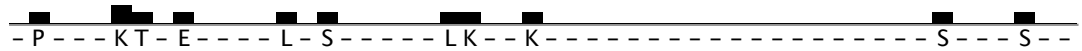
Conservation



Quality



Consensus



	3070	3080	3090	3100	3110	
TTL/1-377						
TTLL1/1-423						
TTLL2/1-592					P C V L S D R G K	
TTLL3/1-352						
TTLL4/1-1199						
TTLL5/1-1277						
TTLL6/1-569						
TTLL7/1-957	L	I E D I I	D N W K Y H K T K V A S Y W L I K L D S V K Q R K			V
TTLL8/1-834						
TTLL9/1-347						
TTLL10/1-673						
TTLL11/1-538						
TTLL12/1-644						
TTLL13/1-459						

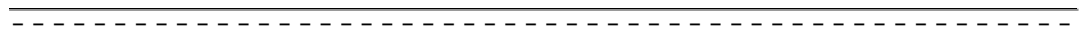
Conservation



Quality



Consensus



	3130	3140	3150	3160	3170
<i>TTLL1/1-377</i>	-	-	-	-	-
<i>TTLL1/1-423</i>	-	-	-	-	-
<i>TTLL2/1-592</i>	-	-	-	-	-
<i>TTLL3/1-352</i>	-	-	-	-	-
<i>TTLL4/1-1199</i>	-	-	-	-	-
<i>TTLL5/1-1277</i>	-	-	-	-	-
<i>TTLL6/1-569</i>	-	-	-	-	-
<i>TTLL7/1-957</i>	L D I V K T S I R T V L P R I W K V P D V E E V N L Y R I F N R V F N R L L W S R	-	-	-	-
<i>TTLL8/1-834</i>	-	-	-	-	-
<i>TTLL9/1-347</i>	-	-	-	-	-
<i>TTLL10/1-673</i>	-	-	-	-	-
<i>TTLL11/1-538</i>	-	-	-	-	-
<i>TTLL12/1-644</i>	-	-	-	-	-
<i>TTLL13/1-459</i>	-	-	-	-	-

Conservation

Quality

Consensus

	3180	3190	3200	3210	3220
TTL/1-377	-	-	-	-	-
TTLL1/1-423	-	-	-	-	-
TTLL2/1-592	-	-	-	-	-
TTLL3/1-352	-	-	-	-	-
TTLL4/1-1199	-	-	-	-	-
TTLL5/1-1277	-	-	-	-	-
TTLL6/1-569	-	-	-	-	-
TTLL7/1-957	- - - -	GQGLWNCFCDSGS	SWESI	FNKSP	EVVTP
TTLL8/1-834	-	-	-	-	-
TTLL9/1-347	-	-	-	-	-
TTLL10/1-673	-	-	-	-	-
TTLL11/1-538	-	-	-	-	-
TTLL12/1-644	-	-	-	-	-
TTLL13/1-459	-	-	-	-	-

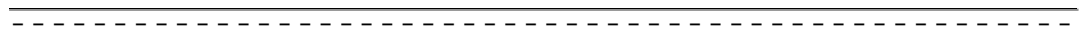
Conservation



Quality



Consensus



	3230	3240	3250	3260	3270
TTL/1-377	-----				
TTL1/1-423	-----				
TTL2/1-592	--APDPQAGNFVLVFPFNEATLGASRNGLNVKRIIQELQKLMNKQHS----				
TTL3/1-352	-----				
TTL4/1-1199	-----				
TTL5/1-1277	-----				
TTL6/1-569	-----				
TTL7/1-957	VYKYATDKRGSLSGIGPDWGNsRYLLPGSTQFFLRTPTYNLKYNSPG-----				
TTL8/1-834	-----				
TTL9/1-347	-----				
TTL10/1-673	-----				
TTL11/1-538	-----				
TTL12/1-644	-----				
TTL13/1-459	-----				

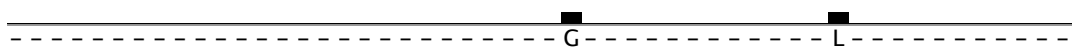
Conservation



Quality



Consensus



	3280	3290
TTL/1-377	-----	-----
TTL1/1-423	-----	-----
TTL2/1-592	-----	-----
TTL3/1-352	-----	-----
TTL4/1-1199	-----	-----
TTL5/1-1277	-----	-----
TTL6/1-569	-----	-----
TTL7/1-957	-----MTRSNVLF T SRYGHL	-----
TTL8/1-834	-----	-----
TTL9/1-347	-----	-----
TTL10/1-673	-----	-----
TTL11/1-538	-----	-----
TTL12/1-644	-----	-----
TTL13/1-459	-----	-----

Conservation



Quality



Consensus

