

Table S1: Primers used to assemble and sequence the *B.microti* apicoplast genome.
 Coordinates are given according to the sequence available at accession number LK028575. Primer orientation: w for Watson strand and c for Crick strand.

Name	Sequence	Begin	End	Strand
rps2.2	CCGATTGTTATACCATTAACTATAAAGAAG	131	101	c
api1_tRNA	TCGAGTCTGCATCTTATTTAGGTATTAACCTAATGG	915	955	w
ctg1_ss	GATTTAATCTCCCTCACAAGACATTACTTGTCAG	1542	1506	c
BA39YPO6-R	TATAGACCCGAACCCAAATGATCT	3486	3509	w
AA3YN24-F	AGTAACGGAGGTGAACAAAGGT	5002	5023	w
AA3YN24-FF	GATTTGAATCAGTAGAACATGAGTT	5695	5720	w
BA39YPO6-F	AACTCATATTCTACTGATTACAAATCA	5720	5694	c
AA3YN24-R	TTTTCAATAGTTAGAAAAATTCTCATT	6967	6940	c
BA20YL13-R	AAAAGTACTAATATATTGTTGGTGGTT	7875	7902	w
Ctg1b_F	CCACATGGAGGAGGAGAAGG	8843	8862	w
BA20YL13-RR	ATGGAGGAGGAGAAGGTAA	8847	8865	w
BA20YL13-FF	TTTTACCTTCTCCTCCTCCA	8867	8848	c
BA20YL13-LST	TAATTGAACCTTAAGTAGTT	9616	9636	w
ctg1_rps3	TATATTCAAGGTAGGTTAATAAGTTAAATAATAGATCAAAAGTTG	9751	9795	w
BA20YL13-F	ACTTATTAACCTACCTGAATATATA	9774	9709	c
RPL1_Long	TTATATCAAAAAGTTTGGATCAATATCATCAAGTCATTAGAATC	10042	10087	w
Gap3.1	TAAGTTTTATGGCTAAAGTTCTTGGTAAATAAGT	11143	11180	w
Gap3.2	AATTAAATTATACCTTTACCAAAAGAACCTTAGCCA	11192	11154	c
5948.1	ATAATGAAGAACGTATTAAGGAAATTACTTAAAGTAGT	11705	11750	w
Gap3.3	GAAAAAAATAATATAAAAGAAAAAGTATTGACCCAATTAAGA	12127	12168	w
Gap3.4	ACTTATAAATTTTAATATAAGTATATATAATCTTAAATTGGGT	12200	12157	c
5948.1	ATAATGAAGAACGTATTAAGGAAATTACTTAAAGTAGT	12470	12515	w
Gap3.3	GAAAAAAATAATATAAAAGAAAAAGTATTGACCCAATTAAGA	12893	12933	w
Gap3.4	ACTTATAAATTCTTAAATATAAGTATATATAATCTTAAATTGGGT	12965	12924	c
Gap3_PRA4	CTATAGTAAGATAATTAAATTAAACCCCTAC	13141	13108	c
Gap3_seq1.1	AAATTATATTATTAAAAATTACGGATTTAATAACAGT	13400	13437	w
Gap3_PRA3	CCTTACCACTAAACATTATACTTTTAAATATTTTATTCTAC	13568	13523	c
Gap3_PRA1	GGTAATAAAACAGGATGGGTGGATTAGGAGT	13871	13902	w
Gap3_seq1.2	ATCTCTAAATCTATTAATAAAATTAACTTACACCTTT	14056	14018	c
Gap3_PRA9	TTATTTATAATTAAAATTACACTTATGGTATAGGT	14303	14341	w
Gap3_PRA10	AAAAATAATAAAATATAATTAAAAATACCTATACCA	14370	14332	c
Gap3_seq2.1	AAATTGTAAAAATGTAGATTAATAAGAAGAAATAAAA	14543	14581	w
Gap3_PRA7	TTTGAATTATAAAATGATTTGAACCACATGAAGATGAG	14824	14786	c
Gap3_PRA2	ATTATTTAAGTTTCTTATAATGGATGTAGAGTT	15007	15041	w
Gap3_seq2.2	TTAATTCTTTACCTCTTATAGCTGATTAAATGTT	15218	15183	c
Gap3_PRA8	TTAATTATTATTACCTTATTCCTATATTTCACACCA	15577	15537	c
5929.1	TTAATGTTTTACCATGATCTATATGACCTATAGTACCTACA	16270	16227	c
EFT1_long	CCTGTAACACTACAGTACCTCACCTGTTATTAAAAACTATCTTC	16895	16852	c
AA9YN12_EFTU	TTTATAACCTGATAAAAAAGGTTATGTCTACCTCCTTC	17190	17152	c
AA9YN12-F2	AAAATGGCTATGCCAGGTG	17263	17281	w
AA9YN12-FR1	TGTAATAATACCTGCTCC	17388	17371	c
AA9YN12-F3	AACTGAAATAGATAGGTTG	17875	17894	w
AA9YN12-FR2	CTATTATTAGTGTACATTGAA	18066	18045	c
AA9YN12-RR2	GTAGTTGGATTATATGTGG	18606	18624	w
AA9YN12-R3	CCTGGTGGTGCGCC	18765	18752	c
AA9YN12-RR3	GAATTTTAAATAGAATTGATG	19061	19082	w
AA9YN12-R2	ATACTAAAGATTACCAAAATATC	19328	19304	c
Clpc.1	TTGTTTTAATAATGATATTGGATAATAGAATGTGA	19523	19560	w
Clpc.2	TATAGTATTAATAACTTTAAAGAGTTATAATAATTAAAG	19676	19721	w
Clpc3	TTCTTTCATCATCTACAGGAGT	20379	20400	w
Gap2.1	AGCATTGATTGAGATCTTAGTAAATATGGGTT	21142	21174	w
Gap2_seq1.1	TTAAAAATAAAAAATTATCATTAACAAAAAA	21580	21615	w

Gap2.2	TTTTGTTGAATTATTTTATTGAATATGTTTATT	22125	22090	c
rpoB3	GTTAAATATGTTATTGTATTGT	22298	22276	c
Gap2_seq1.2	TTTAAAATAATTCACTTATTGAAGAGTGT	22467	22435	c
rpoB.1	ATGCATTTGAACCCATAAGACCCCTAC	23004	22976	c
rpoB.2	TTTATTACAATACCAAGATGAATAGGAATTACAA	23123	23088	c
rpoC.2	TATTAGTTGGTTATCTTAATTAGCTATTACATG	25725	25760	w
rpoC.1	GACATATAATATACTGTAATTCAATTCTGAAC	25822	25859	w
8452.1	AAAAAAAAGTCAATTACAAATATCACAAAT	26221	26252	w
Gap1.2	AATATTATAAAAAAAATAGATAGGGATGATTG	27201	27235	w
Gap_1.1	ATATATTGTTGAGTATTAGTATTAATAATAAACCA	27325	27290	c
rps2.1	AATTATAAAATAATCTATACCATCCAGATCCT	27963	27932	c
api1_rps2	CACTTTCCATGAAGATAAAAATAAAGTTAATGTTAATTCTG	28265	28221	c

Figure S1



Figure S2

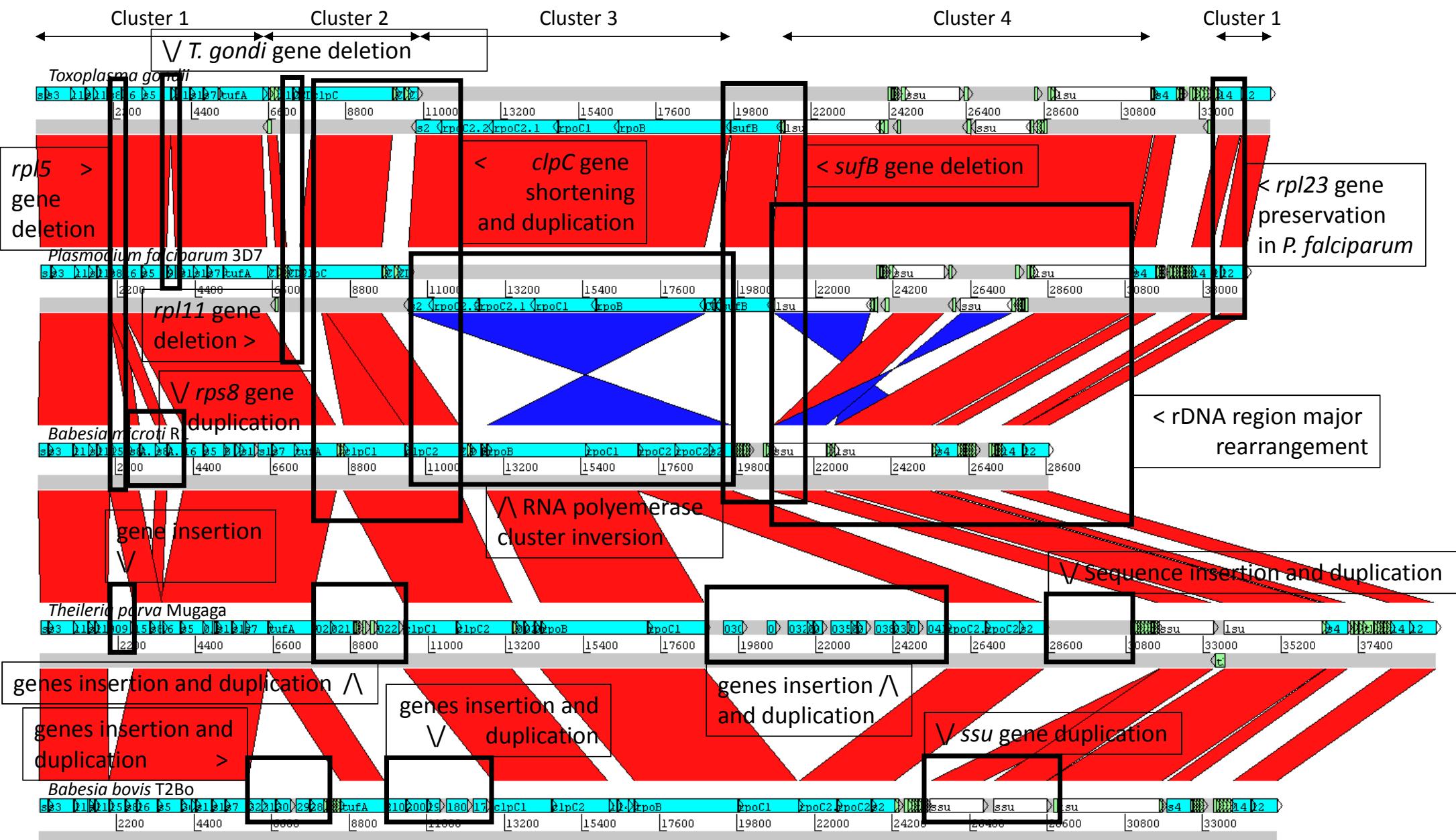
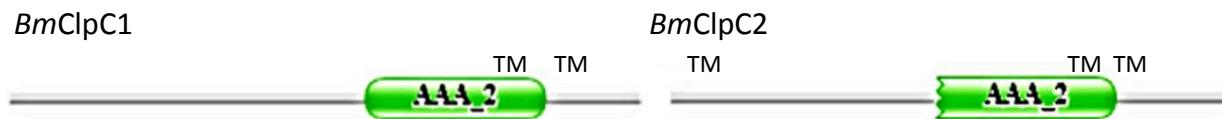
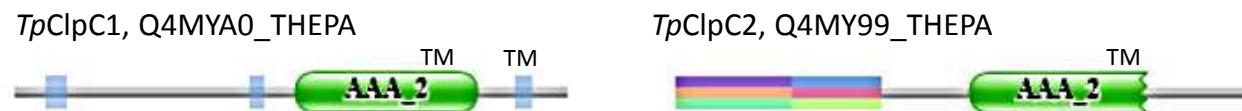


Figure S3

Babesia microti R1



Theileria parva Mugaga



Babesia bovis T2Bo

