

Table S7. Fragment placement in rRNA alignments for covariation analysis

Fragment ^a	rRNA ^b	Hemosporidians ^c	Coccidian ^d	Piroplasms ^e
SSUA	SSU	+ ^f	+	+
SSUB	SSU	+	+	+
SSUD	SSU	+	+	+
SSUE	SSU	+	+	+
SSUF	SSU	+	+	+
LSUA	LSU	+	+	+
LSUB	LSU	+	+	+
LSUC	LSU	+	+	+
LSUD	LSU	+	+	+
LSUE	LSU	+	+	+
LSUF	LSU	+	+	+
LSUG	LSU	+	+	+
RNA1	LSU	+	+	+
RNA2	LSU	+	+	+
RNA3	LSU	+	+	+
RNA5	SSU	+		
RNA6	LSU	+		+
RNA8	SSU	+	+	+
RNA9	SSU	+		+
RNA10	LSU	+	+	+
RNA11	LSU	+		+
RNA12	SSU	+		
RNA13	LSU	+	+	+
RNA14	SSU	+		+
RNA17	SSU	+	+	+
RNA18	LSU	+	+	+
RNA19	SSU	+		
COUNTS		27	20	24

^a Gene names are as defined in Table 1.

^b LSU, large subunit rRNA; SSU, small subunit rRNA. Fragments not assigned: RNA4, RNA7, RNA15, RNA16, RNA20, RNA21, RNA22, RNA23t, RNA24t, RNA25t, RNA26t, RNA27t.

^c RNAs from *Plasmodium* and related species that were used for co-variation analysis.

^d RNAs from *Eimeria tenella* that were used for co-variation analysis.

^e RNAs from *Babesia* and *Theileria* that were used for co-variation analysis.

^f +, present; blank if absent.