

Supporting Information for:

Phylogeny of parasitic Parabasalia and free-living relatives inferred from conventional markers vs. *Rpb1*, a single-copy gene

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Table S2: Primers used to amplify and sequence fragments of *Parabodo caudatus*, *Diplonema* sp. 2, *Percolomonas cosmopolitus*, *Jakoba libera* and *Malawimonas Rpb1* genes, listed from 5' to 3' positions within the gene.

	Forward primer (5' – 3')	Reverse primer (5' – 3')
General degenerate oligos		
Rpb1AF1 (ECPGHFG) [56]	GAGTGTCCAGGNCACTTYGG	
Rpb1BF2 (RGNLMGK)	AGAGGTAACCTTRATGCNAA	
Rpb1DF3 (PYNADFG)	CCGTACAATGCAGAYTTYGAYGG	
Rpb1DF4 (ADFDGDEM)	GCAGACTTCGATGGNGAYGARATG	
Rpb1EF5 (P(L/I)WTGKQ)	CCACTGTGGACNGGNAARCA	
Rpb1DR7 (PYNADFD)		GTCGAAGTCTGCRTTRTANGG
Rpb1FR5 (FH(A/T)M(G/A)GRE)		ACGACCTGCCATNGYRTGRAA
Rpb1GR2 (MTLNTFH) [56]		GTGGAACGTGTTNARNGTCAT
Rpb1GR9 (VTLGVPR)		TCTAGGCACCCGARNGTNAC
<i>Parabodo caudatus</i>		
37BodoRpb1R1		CAAAGTACTTGTGAGGAAGAC
<i>Diplonema</i> sp. 2		
34Rpb1F1	CTACACAGAAATGAGTATGATGGG	
34Rpb1F2	TGTTCCCTTAATCAAACTAGATCC	
41Rpb1R1		GTTGACCGCTTGAGCAGATG
<i>Percolomonas cosmopolitus</i>		
PerRpb1F1	GGTCAACAGAAATTGAAGG	
PerRpb1F2	AGACGATGGTTGTTGGTGG	
PerRpb1R1		AGTGCATCTGCACGATAGC
PerRpb1R2		GCTCACCAACGACTGATGACG
PerRpb1R3		TCAACGGATGTCCCACATTTGTG
<i>Jakoba libera</i>		
28Rpb1F0	TTGCTGAACCCGCTCATGTCA	
28Rpb1F1	CATTCCGCCAGGAGAACTATG	
28Rpb1F2	GATTGGTAAAGCCATGGAGGA	
28Rpb1SF3	GTCGGTTAGTTGTTGACT	
28Rpb1F5	GTCCATGTCCCAGAACATGCA	
28Rpb1SF6	GTATCGTTGTTCCAACACT	
28Rpb1SF7	GACATTGACCATGGGT	
28Rpb1R0		GACCGTCAGAACGCCAGTAGTTG
28Rpb1R1		GACACCAAGAGTGTCTCCGAG
28Rpb1R2		CAACTCTCTCGACCTGAACATA
28Rpb1SR3		CAGATATGCAGCACACATG
28Rpb1SR4		CAACCATAATGCAAACGAG
28Rpb1R5		ACGCACCTTGTGATGTTGA
28Rpb1R6		CATTGCATGTGGAGTACCAAG
28Rpb1R8		CTCGAAGAGGTAGGTGGCATT
28Rpb1R9		GAAGCTGACCCTTCCAAG
<i>Malawimonas jakobiformis</i>		
MjakRpb1SF1	GATGATGAAGCACAGCCGCG	

MjakRpb1PCRF1	CGTGTGCTTCCGTACTCCACC	
MjakRpb1SF2	CCCAAGCCGGCTATTCTCAAGCC	
MjakRpb1SF3	GATGATTGCTTGTGTCGGCC	
MjakRpb1SF4	CCGCATCGACGTGCGTGTGG	
MjakRpb1DSR1		GCTTCCGTACTCCACCTCCG
MjakRpb1GSR2		CGACCGAGCGCGATGAAGTG
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<i>'Malawimonas californiana'</i>		
47Rpb1SF1	GGAACGTGCAGCCCCAAGATT	
47Rpb1SF2	CACATTGATGGAAACGTTGAGA	
47Rpb1SF5	CTGCATCTCGATTACGGATAC	
47Rpb1SF6	CATGTTGCCCATCGCGTT	
47Rpb1SF7	CACCGCGTTTCATGAATGCT	
47Rpb1SR1		CATGGAATGCGATATTGTGCCT
47Rpb1SR2		GGCAGAGATTGAGGAGATT