

Table S1. Significance levels of difference among families in genome sizes (each with more than three species)

	Leucobryaceae	Rhytidiaceae	Entodontaceae	Orthotrichaceae	Dicranaceae	Mniaceae
Rhytidiaceae	N					
Entodontaceae	0.033	0.021				
Orthotrichaceae	0.039	0.025	N			
Dicranaceae	N	N	0.022	0.026		
Mniaceae	N	N	0.046	N	N	
Bartramiaceae	N	0.048	N	N	N	N
Grimmiaceae	0.037	0.021	N	N	0.02	0.044

N: $P > 0.05$