a _{1 Optical Map}	
a	a _{1 PacBio (in silico map)}
a _{2 Optical Map}	
	a _{2 PacBio (in silico map)}

Figure S3: Correspondence between the optical map and the PacBio assembly of the *Microbotryum lychnidis-dioicae* mating-type chromosomes. The vertical lines within the chromosomes indicate restriction sites. Alignments compare restriction fragment sizes on single DNA molecules and from *in silico* sequences. Regions highlighted in blue indicate aligned optical map and *in silico* restriction site distributions, while regions in grey could not be aligned (*i.e.*, a₁ centromeres and a₂ telomeres).