Supplementary material

Manuscript title: Chromosome-level Assembly Reveals a Fifteen-chromosome Aneuploid Genome and Environmental Adaptation Strategy of Chinese Traditional Medical Fungus *Wolfiporia hoelen*

Information

1. Supplementary Figures 1 to 2

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Supplementary Figures

Supplementary Figure 1.

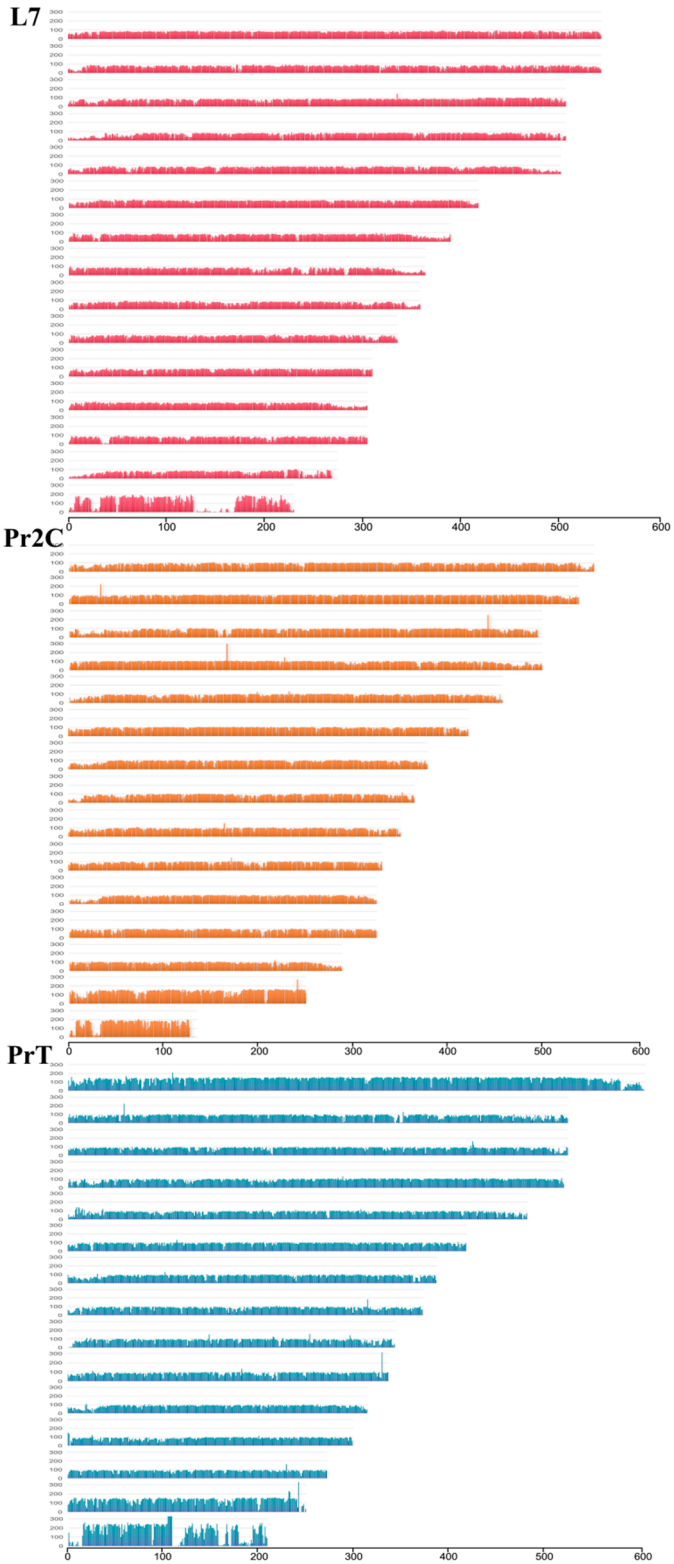


Figure S1. Sequencing depth for 15 chromosomes based on Illumina sequencing reads of *Wolfiporia hoelen*.

Supplementary Figure 2

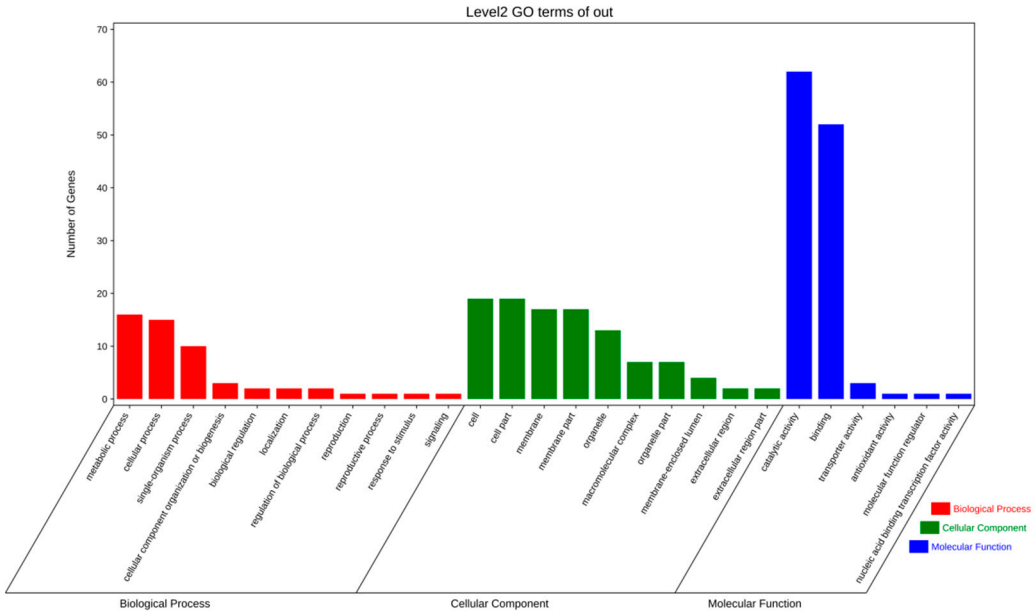


Figure S2. GO enrichment analysis of genes on chromosome 15.

Supplementary Tables

Supplementary Table1

Table S1 Telomere and rDNA sequences distribution for different genomes

Genome L7	end	end	Genome Pr2C	end	end	Genome PrT	end	end	SS20	end	end
Contig1	T	T	Contig1	T	T	Contig1	T	T	Contig1		T
Contig2	T	T	Contig2	T	T	Contig2	T	T	Contig2	T	
Contig3	T	T	Contig3	T		Contig3	T	T	Contig3	T	T
Contig4	T	T	Contig4	T	T	Contig4	T	T	Contig4		T
Contig5	T	T	Contig5	T	T	Contig5	T	T	Contig5	T	T
Contig6	T	T	Contig6	T	T	Contig6	T	T	Contig6	T	T
Contig7	T	T	Contig7	T	T	Contig7	T	T	Contig7	T	T
Contig8	T	T	Contig8	T	T	Contig8	T	T	Contig8	T	T
Contig9	T	T	Contig9	T	T	Contig9		T	Contig9	T	T
Contig10	T	T	Contig10	T	T	Contig10	T	T	Contig10	T	T
Contig11	T	T	Contig11	T	T	Contig11	T	T	Contig11	T	
Contig12	T	T	Contig12	T	T	Contig12		T	Contig12	T	T
Contig13	T	T	Contig13	T	T	Contig13	T	T	Contig13		T
Contig14	T	rDNA	Contig14	T	rDNA	Contig14	T		Contig14	T	rDNA
Contig15	T	T	Contig15	T		Contig15			Contig15		T
Contig16			Contig16	T	T	Contig16	T		Contig16		
Contig17			Contig17			Contig17		T	Contig17	T	
Contig18			Contig18			Contig18			Contig18		T
Contig19			Contig19			Contig19			Contig19		
Contig20			Contig20			Contig20			Contig20		
Contig21			Contig21			Contig21			Contig21		
Contig22			Contig22			Contig22			Contig22		
Contig23			Contig23			Contig23			Contig23	T	
Contig24			Contig24			Contig24			Contig24	T	
Contig25			Contig25			Contig25			Contig25		
Contig26			Contig26			Contig26			Contig26		
Contig27			Contig27			Contig27			Contig27		T
Contig28			Contig28			Contig28			Contig28		

Note: “T” represent telomeres.

Supplementary Table2

Table S2 Basic information of different chromosomes of genome L7

Chromosome ID	Chromosome length	Gene number	Gene density (/kb)	GC content	Repetitive number	Repetitive length	Repetitive ratio
Chr01	5459116	1352	0.25	0.53	2725	1564798	28.66%
Chr02	5430413	822	0.15	0.52	4638	3029191	55.78%
Chr03	5062787	1124	0.22	0.53	3105	1910003	37.73%
Chr04	5023543	869	0.17	0.52	3554	2511411	49.99%
Chr05	4944042	771	0.16	0.52	3797	2784530	56.32%
Chr06	4114369	1038	0.25	0.53	1952	1147487	27.89%
Chr07	3822831	731	0.19	0.52	2652	1712371	44.79%
Chr08	3588497	474	0.13	0.52	3461	2293594	63.92%
Chr09	3516521	557	0.16	0.52	2874	1991087	56.62%
Chr10	3282753	467	0.14	0.51	2841	1764901	53.76%
Chr11	3026396	500	0.17	0.52	2295	1373487	45.38%
Chr12	2963480	436	0.15	0.52	2815	1672734	56.44%
Chr13	2903977	438	0.15	0.51	2724	1553530	53.50%
Chr14	2590401	440	0.17	0.53	2042	1375023	53.08%
Chr15	2153867	234	0.11	0.50	2750	1792939	83.24%