

Table S6. Comparison of genome features between SS20 and previously published strains.

Assembly	Previous		CGMCC								
	SS20	SS20	5.78	KMCC03342	WCLT	BL16	GDMCC 5.219	Minling A5	L7	Pr2C	PrT
Source	China	China	China	South Korea	China	China	China	China	China	China	China
Strain	Homokaryon	Homokaryon	Heterokaryon	Heterokaryon	Heterokaryon	Spore isolate	Heterokaryon	Heterokaryon	Homokaryon	Homokaryon	Homokaryon
Assembly level	Chromosome	Chromosome	Contig	Contig	Chromosome	Contig	Scaffold	Chromosome	Chromosome	Chromosome	Chromosome
Assembly length (Mb)	59.61	58.26	50.6	55.5	61.13	58.15	58.1	61.01	59.68	58.4	57.64
Number of contigs	15	14	351	343	7	15	185	14	15	27	17
Number of telomeres	30	28	\	\	\	\	\	29	29	/	/
N50 (Mb)	4.11	3.76	0.17	0.33	1.60	4.00	1.42	4.21	4.11	4.23	4.11
Repeat content (%)	42.89	48.56	33.51	\	46.6	37	\	44.37	44.2	43.47	43.68
GC content (%)	52	50.15	51.7	52.2	51.86	52	51	51.89	52	52	52
Complete BUSCOs (%)	98.2	97.36	\	95.8	96.9	\	\	94.83	97.9	97.9	97.9
Protein-coding prediction	13,779	10,567	10,908	14,296	11,906	12,399	16,015	12,670	10,421	11,085	10,749
Average gene length (bp)	1,808	2,004	1,829	\	1,333	2278	\	2,062	2,907	2,416	2,606
Reference	This study	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[9]	[9]

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