

Appendix

Appendix A Source and IGS1 information for forty-nine *Lentinula edodes* cultivated strains in China

Cultivars	Source (Province)	Name of IGS1	Length of IGS1	Repeating time	GenBank
Cr01	Fujian	Cr01-c1	979	4	MF541551
		Cr01-c2	1166	1	MF541552
Cr02	Fujian	Cr02-c1	988	4	MF541553
		Cr02-c2	979	1	MF541554
Cr04	Fujian	Cr04-c1	988	3	MF541555
		Cr04-c2	1031	2	MF541556
Cr20	Fujian	Cr20-c1	988	4	MF541557
		Cr20-c2	1031	1	MF541558
Cr62	Fujian	Cr62-c1	988	2	MF541559
		Cr62-c2	1003	2	MF541560
		Cr62-c3	1040	1	MF541561
Ganxiang No.1	Jiangxi	Ganxiang No.1-c1	988	5	MF541562
Guangxiang No.9	Guangdong	Guangxiang No.9-c1	1154	4	MF541563
		Guangxiang No.9-c2	1399	1	MF541564
		Guangxiang No.51-c1	1007	5	MF541565
Guangxiang No.51	Guangdong	Guangxiang No.51-c1	1007	5	MF541565
Huaxiang No.5	Hubei	Huaxiang No.5-c1	988	3	MF541566
		Huaxiang No.5-c2	1041	2	MF541567
Huaxiang No.8	Hubei	Huaxiang No.8-c1	988	3	MF541568
		Huaxiang No.8-c2	1040	2	MF541569
Hunong No.1	Shanghai	Hunong No.1-c1	1031	4	MF541570
		Hunong No.1-c2	1040	1	MF541571
Jindixianggu	Sichuan	Jindixianggu-c1	1040	3	MF541572
		Jindixianggu-c2	933	2	MF541573
Junxing No.8	Zhejiang	Junxing No.8-c1	1031	4	MF541574
		Junxing No.8-c2	988	1	MF541575
L03	Shanghai	L03-c1	988	3	MF541576
		L03-c2	1003	2	MF541577
L04	Zhejiang	L04-c1	1031	5	MF541578
L26	Shanghai	L26-c1	1031	3	MF541579
		L26-c2	988	2	MF541580
L087	Hubei	L087-c1	979	4	MF541581
		L087-c2	988	1	MF541582
L121	Shanghai	L121-c1	1063	3	MF541583
		L121-c2	979	2	MF541584

L135	Fujian	L135-c1	933	3	MF541585
		L135-c2	1040	2	MF541586
L241	Fujian	L241-c1	1040	5	MF541590
L241-4	Fujian	L241-4-c1	1031	2	MF541587
		L241-4-c2	933	2	MF541588
		L241-4-c3	1040	1	MF541589
L465	Shanghai	L465-c1	1003	3	MF541591
		L465-c2	988	2	MF541592
L808*	Zhejiang	L808-c1	1003		MF177505
		L808-c2	1041		MF177506
L908	Hubei	L908-c1	933	5	MF541593
L931	Zhejiang	L931-c1	1031	3	MF541594
		L931-c2	988	2	MF541595
L937	Zhejiang	L937-c1	933	3	MF541596
		L937-c2	1040	2	MF541597
L939	Zhejiang	L939-c1	933	4	MF541598
		L939-c2	1040	1	MF541599
L952	Hubei	L952-c1	988	4	MF541600
		L952-c2	1003	1	MF541601
L1303	Shanghai	L1303-c1	1003	5	MF541602
L7401	Shanghai	L7401-c1	1031	3	MF541603
		L7401-c2	1040	1	MF541604
		L7401-c3	1006	1	MF541605
L7402	Shanghai	L7402-c1	979	3	MF541606
		L7402-c2	1041	2	MF541607
L7405	Shanghai	L7405-c1	1010	3	MF541608
		L7405-c2	1023	2	MF541609
L8001	Shanghai	L8001-c1	988	3	MF541610
		L8001-c2	1003	2	MF541611
L9015	Zhejiang	L9015-c1	933	5	MF541612
L9319	Zhejiang	L9319-c1	1003	4	MF541613
		L9319-c2	1021	1	MF541614
L9608	Henan	L9608-c1	933	5	MF541615
Minfeng No.1-c1	Fujian	Minfeng No.-c1	1003	3	MF541616
		Minfeng No.-c2	988	2	MF541617
Qingke No. 20	Zhejiang	Qingke No.20-c1	933	3	MF541618
		Qingke No.20-c2	1040	2	MF541619
Qingyuan 9015	Zhejiang	Qingyuan 9015-c1	1038	2	MF541620
		Qingyuan 9015-c2	988	2	MF541621
		Qingyuan 9015-c3	933	1	MF541622
Senyuan No.1	Hubei	Senyuan No.1-c1	979	4	MF541625
		Senyuan No.1-c2	1031	1	MF541626
Senyuan No.10	Hubei	Senyuan No.10-c1	933	3	MF541627
		Senyuan No.10-c2	1040	2	MF541628

Senyuan 8404	Hubei	Senyuan 8404-c1	1031	4	MF541623
		Senyuan 8404-c2	1040	1	MF541624
Shenxiang No.4	Shanghai	Shenxiang No.4-c1	988	5	MF541629
Shenxiang No.8	Shanghai	Shenxiang No.8-c1	1031	3	MF541630
		Shenxiang No.8-c2	988	2	MF541631
Shenxiang No.10	Shanghai	Shenxiang No.10-c1	1031	3	MF541632
		Shenxiang No.10-c2	988	2	MF541633
		Shenxiang	1031	5	MF541634
Shenxiang No.12	Shanghai	Shenxiang No.12-c1			
Shenxiang No.16	Shanghai	Shenxiang No.16-c1	933	3	MF541635
		Shenxiang No.16-c2	1040	2	MF541636
		Shenxiang			
Suxiang No.1	Jiangsu	Suxiang No.1-c1	1031	3	MF541637
		Suxiang No.1-c2	988	2	MF541638
Xiangza No.26	Guangdong	Xiangza No.26-c1	988	3	MF541639
		Xiangza No.26-c2	1031	2	MF541640

* meant that the IGS1 sequences of L808 were not sequenced in the paper.