

Table S1. List of *Clonostachys rosea* strains included in the study

Genus	Species	Isolate	Country	Mating type
<i>Clonostachys</i>	<i>rosea</i>	IBT7839	France	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	IK216	Denmark	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	IK371	Denmark	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	CBS 706.97	USA	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 704.97	USA	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	GJS89-34	Guyana	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	B13	New Zealand	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	B14	New Zealand	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	B15	New Zealand	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	CMI192798	UK	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	1316	Slovenia	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	1701	Slovenia	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	1827	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	1829	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	1830	Slovenia	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	1832	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	1833	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	1881	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	1882	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	1883	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	1884	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	1885	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	2176	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	2177	Slovenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	2178	Slovenia	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	CBS 115883	Argentina	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	GL-1-1	China	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	JXLS-1-1	China	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	NHH-48-2	China	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	NHH-61-2	China	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	SDT-5-1	China	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	SHW-3-1	China	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	STG-21-1	China	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	SYP-4-2	China	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 154.27	USA	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 178.28	UK	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 188.33	Netherlands	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	CBS 193.94	Venezuela	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	CBS 222.93	Chile	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	CBS 287.78	USA	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 289.78	Jamaica	Homothallic
<i>Clonostachys</i>	<i>rosea</i>	CBS 376.55	USA	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 421.87	Spain	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 548.79	Venezuela	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	CBS 100000	Australia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 100502	France	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	CBS 103.94	Netherlands	MAT1-2 ²
<i>Clonostachys</i>	<i>rosea</i>	CBS 148.72	Ukraine	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 216.74	Brazil	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	CBS 277.50	Canada	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 438.70	Japan	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	CBS 569.69	Switzerland	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 649.80	Tunisia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 708.97	USA	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 907.72 D	Armenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 907.72E	Armenia	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 907.72G	Azerbaijan	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	GG-1-2	China	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	CBS 705.97	USA	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	GJS94-122	Mexico	Homothallic ¹
<i>Clonostachys</i>	<i>rosea</i>	JLB-7-1	China	MAT1-1
<i>Clonostachys</i>	<i>rosea</i>	SHW-1-1	China	MAT1-2
<i>Clonostachys</i>	<i>rosea</i>	IK726	Denmark	MAT1-2

¹ Strains excluded for GWA analyses in all the tested host

² Strain excluded for GWA analyses only in *A. euteiches* and *F. graminearum*