

Table S1. The primer sequences used for the amplifications of the ACT and TEF1 α regions.

Primer Name	Sequence (5'-3')
EF1-728F	ATCGAGAAGTTCGAGAAGG
EF-2R	GGARGTACCAGTSATCATGTT
ACT-512F	ATGTGCAAGGCCGGTTTCGC
ACT-783R	TACGAGTCCTTCTGGCCCAT

Table S2. The reference sequences used for the ACT and TEF1 α phylogenetic trees.

Species	Culture Accession Number	ACT	TEF1 α
<i>Cladosporium cladosporioides</i>	CBS 112388	HM148490.1	HM148244.1
<i>Cladosporium cladosporioides</i>	CPC 11120	HM148504.1	HM148258.1
<i>Cladosporium cladosporioides</i>	CPC 11121	HM148505.1	HM148259.1
<i>Cladosporium cladosporioides</i>	CPC 13669	HM148522.1	HM148276.1
<i>Cladosporium europaeum</i>	CPC 14238	HM148542.1	HM148297.1
<i>Cladosporium europaeum</i>	CPC 14296	HM148543.1	HM148298.1
<i>Cladosporium fusiforme</i>	CBS 452.71	EF101371.1	–
<i>Cladosporium fusiforme</i>	CBS 119414	KJ596640.1	–
<i>Cladosporium limoniforme</i>	CPC 22394	MF473985.1	MF473564.1
<i>Cladosporium ramotenellum</i>	CBS 121628	EF679538.1	EF679462.1
<i>Cladosporium ramotenellum</i>	CPC 19119	MF474080.1	MF473653.1
<i>Cladosporium sphaerospermum</i>	CBS 193.54	EU570269.1	EU570261.1
<i>Cladosporium sphaerospermum</i>	CPC 12476	EU570271.1	EU570264.1
<i>Cladosporium sphaerospermum</i>	CPC 13368	EU570272.1	EU570265.1
<i>Cercospora beticola</i>	CBS 116456	AY840458.1	AY840494.1
<i>Cladosporium fusiforme</i>	EXF 449	EF101372.1	JN906988.1
<i>Cladosporium aciculare</i>	CBS 140488	KT600607.1	KT600509.1
<i>Cladosporium velox</i>	CPC 22359	MF474158.1	MF473731.1
<i>Cladosporium coloradense</i>	CPC 22238	MF473795.1	MF473372.1

Table S3. The number of raspberries inoculated for the 2020 stigmata infection study at each inoculation date.

Inoculation Date	Sterilised	Fruit Stage	N
09/09/2020	Sterile	Green	379
09/09/2020	Unsterile	Green	172
09/09/2020	Sterile	Ripening	57
09/09/2020	Unsterile	Ripening	55
09/09/2020	Sterile	Ripe	34
09/09/2020	Unsterile	Ripe	94
16/09/2020	Sterile	Green	277
16/09/2020	Unsterile	Green	89
16/09/2020	Sterile	Ripening	73
16/09/2020	Unsterile	Ripening	45
16/09/2020	Sterile	Ripe	45
16/09/2020	Unsterile	Ripe	40
23/09/2020	Sterile	Green	201

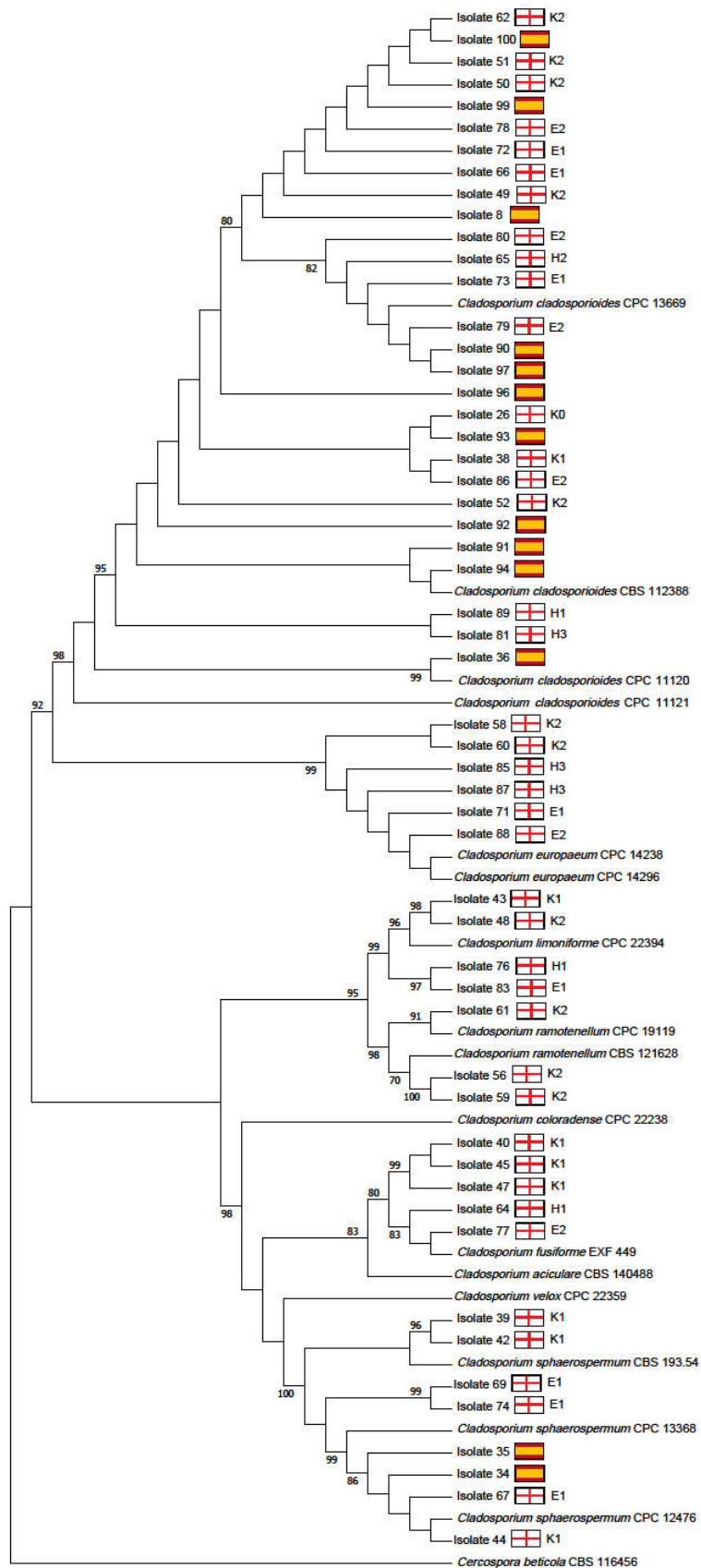


Figure S1. A phylogenetic tree of the TEF1 α gene for 70 isolates of *Cladosporium*. The tree was created using maximum likelihood with a Kimura 2-parameter evolutionary model and 1000 bootstrap replications. The numbers above branches represent bootstrap values. The flags represent the country of origin, the codes represent areas within the country and numbers denote different farms. Area codes are as follows: E = Essex, K = Kent, H = Herefordshire.