

Mendonça, I., Fernandes, B., Serrano, C., Marques, A. C., Oliveira, R., Almeida, C., Leão de Sousa, M., Venâncio, A. & Silva, S. (2026). Identification of antifungal essential oils for control of brown spot pathogens of ‘Rocha’ pear. *Phytopathologia Mediterranea* 65(2): 267-286. doi: 10.36253/phyto-17132

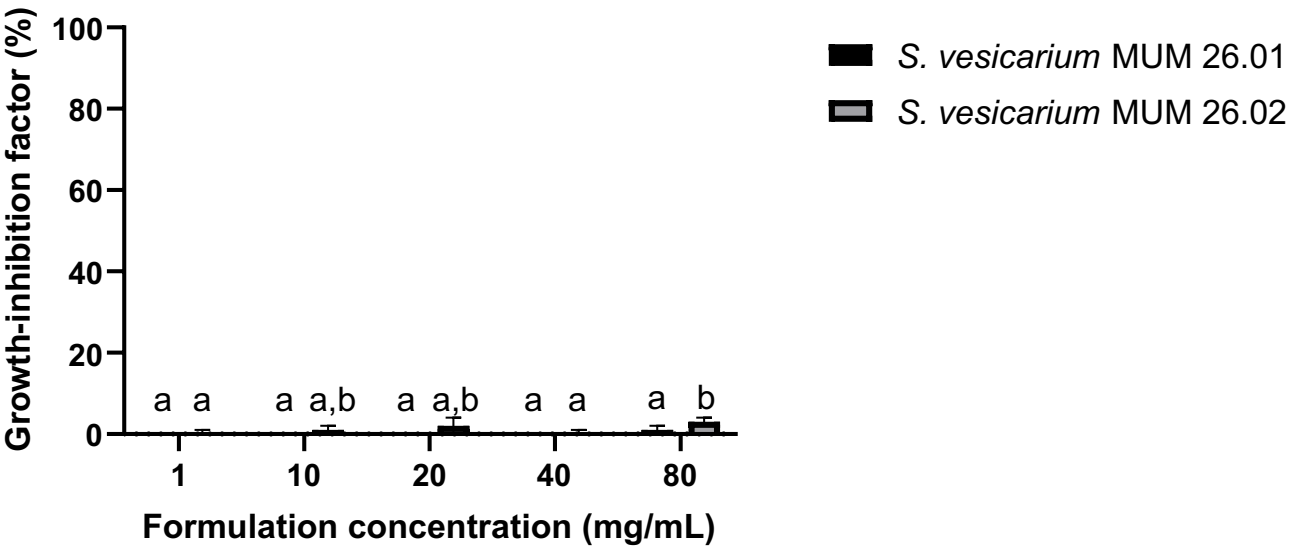


Figure S1. Effect of HI-CAP® 100 without essential oils on mycelial growth of *Stemphylium vesicarium* isolated from ‘Rocha’ pear biological material with BSP. Growth inhibition factor (%) of *S. vesicarium* MUM 26.01 and *S. vesicarium* MUM 26.02 in the presence of the encapsulating agent HI-CAP® 100 without essential oils after 13 days at 25 °C (different letters show significant differences, $P < 0.05$).

Table S2. Taxa used for the phylogenetic analyses of *Stemphylium* isolates and their corresponding Genbank accession number.

Species name	Strain number ^{1,2}	Country	Genbank accession number	
			ITS	<i>gpd</i>
<i>Stemphylium beticola</i>	CBS 141024T	Netherlands	KU850520	KU850667
<i>Stemphylium botryosum</i>	CBS 714.68T	Canada	KC584238	AF443881
<i>Stemphylium botryosum</i>	CBS 116596	United States of America	KU850538	KU850685
<i>Stemphylium drummondii</i>	CBS 346.83T	Germany	GQ395365	KU850687
<i>Stemphylium eturmiunum</i>	CBS 668.80	Greece	KU850540	KU850688
<i>Stemphylium eturmiunum</i>	CBS 109845T	New Zealand	KU850541	KU850689
<i>Stemphylium lancipes</i>	CBS 133314T	United States of America	KU850596	KU850742
<i>Stemphylium lycopersici</i>	CBS 122639T	China	KU850611	KU850756
<i>Stemphylium sarciniforme</i>	CBS 116579	United States of America	KU850623	AF443892
<i>Stemphylium simmonsii</i>	CBS 716.68	United States of America	KU850632	KU850773
<i>Stemphylium simmonsii</i>	CBS 133518T	Canada	KU850637	KU850778
<i>Stemphylium solani</i>	CBS 116586	United States of America	KU850627	KU850768
<i>Stemphylium vesicarium</i>	CBS 191.86T	India	KC584239	AF443884
<i>Stemphylium vesicarium</i>	CBS 192.86T	Australia	KU850568	KU850715
<i>Stemphylium vesicarium</i>	CBS 274.31	Unknown	KU850559	KU850706
<i>Stemphylium vesicarium</i>	CBS 133914	United States of America	KU850587	KU850734
<i>Alternaria alternata</i>	CBS 916.96T	India	DQ323699	AF081400

¹ CBS – Culture Collection of the Westerdijk Fungal Biodiversity Institute, Utrecht, the Netherlands;

² Type isolates are indicated with T.

Table S3. Taxa used for the phylogenetic analyses of *Alternaria* isolates and their corresponding Genbank accession number.

Species name	Strain number ^{1,2}	Country	Genbank accession number		
			ITS	<i>gpd</i>	<i>Alt-a1</i>
<i>Alternaria alstroemeriae</i>	CBS 118809T	Australia	NR_163686	KP124154	MH084526
<i>Alternaria alternantherae</i>	CBS 124392	China	KC584179	KC584096	KP123846
<i>Alternaria alternata</i>	CBS 916.96T	India	AF347031	AY278808	AY563301
<i>Alternaria alternata</i>	CBS 102596T	United States of America	MH862796	KP124183	KP123877
<i>Alternaria alternata</i>	CBS 102599T	Turkey	MH862799	KP124185	KP123879
<i>Alternaria arborescens</i>	CBS 102605T	United States of America	AF347033	AY278810	AY563303
<i>Alternaria arborescens</i>	CBS 109730	United States of America	KP124399	KP124251	KP123946
<i>Alternaria burnsii</i>	CBS 107.38T	Unknow	NR_136119	JQ646305	JQ646388
<i>Alternaria burnsii</i>	CBS 110.50	Mozambique	KP124421	KP124271	KP123968
<i>Alternaria gaisen</i>	CBS 118488T	Japan	KP124427	KP124278	KP123975
<i>Alternaria gaisen</i>	CBS 632.93	Japan	KC584197	KC584116	KP123974
<i>Alternaria iridialustralis</i>	CBS 118486T	Australia	NR_136120	KP124284	KP123981
<i>Alternaria jacinthicola</i>	CBS 133751	Mali	KP124438	KP124287	KP123984
<i>Alternaria longipes</i>	CBS 539.94	United States of America	KP124441	KP124290	KP123987
<i>Alternaria longipes</i>	CBS 917.96	United States of America	KP124442	KP124291	KP123988
<i>Alternaria tomato</i>	CBS 103.30	Unknown	KP124445	KP124294	KP123991
<i>Alternaria tomato</i>	CBS 114.35	Unknown	KP124446	KP124295	KP123992
<i>Stemphylium botryosum</i>	CBS 714.68T	Canada	KC584238	AF443881	AY563274

¹ CBS – Culture Collection of the Westerdijk Fungal Biodiversity Institute, Utrecht, the Netherlands;

² Type isolates are indicated with T.