

Supplementary Table S1. Responses (conidial germination and conidial gene expression) of *Metarhizium robertsii* ARSEF 2575 and *M. acridum* ARSEF 324 conidia produced on culture medium supplemented with riboflavin (PDAR) in comparison to conidia produced on medium not supplemented with riboflavin (PDA), when exposed to artificial or solar UV-A, or exposed to UV-B with, or without, following white light exposure. UV tolerance was measured by conidial germination levels, and UV-effects on photoprotection/photoreactivation genes by their expression levels. UV-A findings are from the current study (Huarte-Bonnet et al.) and the UV-B data from Pereira-Junior et al. (2018).

	<i>Metarhizium acridum</i> (ARSEF 324)		<i>Metarhizium robertsii</i> (ARSEF 2575)	
	Exposed to UV, then to white light	Exposed to UV, but not to white light	Exposed to UV, then to white light	Exposed to UV, but not to white light
1) UV-tolerance (Conidial germination)				
Tolerance to artificial UV-A	ND [‡]	Increased after 68.9 and 100.8 kJ m ⁻² exposure	ND	Not increased
Tolerance to artificial UV-B *	Increased after and 3.9 and 6.24 kJ m ⁻²	Increased after 3.9 and 6.24 kJ m ⁻² exposure	Increased after 3.9 and 6.24 kJ m ⁻² exposure	Increased after 3.9 and 6.24 kJ m ⁻² exposure
Tolerance to solar UV-A	ND	Increased after 103.35 kJ m ⁻² exposure	ND	Increased after 103.35 kJ m ⁻² exposure
Tolerance to solar UV-B*	ND	Not tested	ND	Not tested
2) Conidial gene expression (after artificial-UV irradiation)				
<i>Phr1</i> after UV-A exposure	**	**	Increased	Not increased
<i>Phr1</i> after UV-B exposure*	**	**	Not increased	Not increased
<i>Phr2</i> after UV-A exposure	Not increased	Not increased	Increased	Increased
<i>Phr2</i> after UV-B exposure*	Not increased	Not increased	Increased	Not increased
<i>Lac1</i> after UV-A exposure	Increased	Not increased	Increased	Increased
<i>Lac1</i> after UV-B exposure*	Not increased	Not increased	Increased	Not increased
<i>Lac2</i> after UV-A exposure	Not increased	Not increased	Not increased	Not increased
<i>Lac2</i> after UV-B exposure*	ND	ND	Increased	Not increased
<i>Lac3</i> after UV-A exposure	Not increased	Not increased	Not increased	Not increased
<i>Lac3</i> after UV-B exposure*	Increased	Not increased	Increased	Not increased
<i>Pks1</i> after UV-A exposure	Not increased	Not increased	Not increased	Not increased

<i>Pks1</i> after UV-B exposure*	Not increased	Not increased	Not increased	Not increased
<i>Pks2</i> after UV-A exposure	Not increased	Not increased	Increased	Not increased
<i>Pks2</i> after UV-B exposure*	Increased	Not increased	Not increased	Not increased

(‡) ND = Not done. (*) UV-B tests published by Pereira-Junior et al. (2018). (**) *Phr1* gene not present in *M. acridum*.