

Antagonistic potential of endophytic fungal isolates of tomato (*Solanum lycopersicum* L.) fruits against post-harvest disease-causing pathogens of tomatoes: An *in vitro* investigation

Phathutshedzo Ramudingana,^{1,2} Tshifhiwa Paris Mamphogoro,^{1*} Casper Nyaradzai Kamutando,^{3*} Martin Makgose Maboko,⁴ Kedibone Yvone

Modika,⁵ Kgantjie Walter Moloto,^{5*} Mapitsi Silvester Thantsha^{2*}

Supplementary material

Table S2: Mean inhibition zones of the SUG3.1, SUG4.1, SUG4.3, HTR8.4 and STG8.6 antagonists isolates against *F. oxysporum*, *R. solani*, *G. candidum*, *A. alternata*, *G. candidum* ATCC 34614, *F. solani* ATCC 36031, *R. stolonifera* (-) ATCC 6227a, *R. stolonifera* (+) ATCC 6227b and the positive control, *L. plantarum*.

Fungal pathogens	Endophytic fungal isolates																				Positive control			
	SUG3.1				SUG4.1				SUG4.3				HTR8.4				STG8.6				<i>L. plantarum</i>			
	Diameter of inhibition zone (mm)																							
	T1	T2	T3	Mean	T1	T2	T3	Mean	T1	T2	T3	Mean	T1	T2	T3	Mean	T1	T2	T3	Mean	T1	T2	T3	Mean
<i>F. oxysporum</i>	7	7	8	7.33	-	-	-	-	10	9	8	9	-	-	-	-	-	-	-	-	11	10	11	10.67
<i>R. solani</i>	6	5	6	5.67	-	-	-	-	3	3	4	3.33	-	-	-	-	-	-	-	-	9	8	9	8.67
<i>G. candidum</i>	7	6	6	6.33	-	-	-	-	9	8	8	8.33	-	-	-	-	-	-	-	-	9	10	9	9.33
<i>A. alternata</i>	4	3	3	3.33	-	-	-	-	8	9	8	8.33	-	-	-	-	-	-	-	-	8	9	9	8.67
<i>G. candidum</i> ATCC 34614	7	8	7	7.33	-	-	-	-	6	6	5	5.67	-	-	-	-	-	-	-	-	9	8	8	8.33
<i>F. solani</i> ATCC 36031	8	8	9	8.33	9	9	8	8.67	6	5	5	5.33	7	7	8	7.33	7	6	7	6.67	10	10	11	10.33
<i>R. stolonifera</i> (-) ATCC 6227a	6	7	7	6.67	-	-	-	-	7	6	7	6.67	-	-	-	-	-	-	-	-	7	6	7	7.67
<i>R. stolonifera</i> (+) ATCC 6227b	9	9	10	9.33	-	-	-	-	7	8	7	7.33	-	-	-	-	-	-	-	-	11	10	10	10.33

(-) denotes no inhibition. Each value represents the mean of the triplicate measurements (in mm) taken per trial, with T1, T2 and T3 representing trial 1 trial 2 and trial 3, respectively.