TITLE: *Arthrobacter globiformis* inoculation improves cactus pear growth, quality of fruits and nutraceutical properties of cladodes.

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SUPPLEMENTARY MATERIALS

Samples	**New cladode area (cm^2) First year**	**New cladode area (cm^2) Second year**
Inoculated	82.0	79.0
	81.0	79.0
	80.0	81.0
	78.0	80.0
	80.0	82.0
Average cladode area (cm2)	80.2±1.48	80.5 ± 1.61
Not inoculated	51.0	51.0
	53.0	51,2
	52.0	53.0
	51.0	52.0
	50.0	52.1
Average cladode area (cm2)	51.4 ±1.14	51.8 ±0.95
Increment of cladode area in inoculated plants compared to the control (%)	**56.03±1.31**	**57.53 ±1.28**

Table A Newly cladode surfaces in inoculated and not inoculated OFI plants. The surface area of cladodes after one month from differentiation was greater in treated plants (+56.03 % ± 1.31 and +57.53 % ± 1.28 respectively in the first and the second year) when compared to the newly pad average area of the control.