Table S18. Root architecture of inoculated or not cucumber seeds at 7 days of growth described by the determination of Total root length, total surface area, total root volume, number of tips and root branching performed through WinRhizo analysis. Different letters indicate significant differences between the control (C) and the treatments at $p \leq 0.05$.

Treatment	Total length (cm)	Surface area (cm^2)	Volume (cm^3)	Tip number	Root Branching degree
C	29.88±3.88a	5.95±0.73a	0.01±0.01a	40.78±4.53a	1.41±0.09a
CA1	31.15±2.98a	6.71±0.67a	0.12±0.01a	38.55±3.67a	1.21±0.07b
CA4	23.71±2.03a	5.25±0.43a	0.09±0.01a	36.60±2.74a	1.49±0.11a
CA9	26.13±2.71a	5.60±0.64a	0.10±0.02a	33.31±3.83a	1.20±0.06b
CA19	15.01±1.39b	3.34±0.39b	0.06±0.01b	21.96±1.90b	1.34±0.08a
C	30.04±1.22a	6.03±0.26a	0.10±0.01a	42.68±2.32a	1.37±0.07a
PU4	37.13±2.19b	7.54±0.42b	0.12±0.01b	51.16±2.61a	1.37±0.07a
PU5	27.79±2.21a	5.85±0.43a	0.10±0.01a	43.24±3.01a	1.55±0.08a
PU10	25.88±1.59a	5.87±0.27a	0.11±0.01a	43.84±2.89a	1.63±0.08b
PU23	28.35±1.85a	6.18±0.34a	0.11±0.01a	41.08±3.56a	1.41±0.09a
PU24	31.35±1.99a	6.69±0.37a	0.11±0.01a	39.60±2.11a	1.24±0.06a
C	33.90±3.30a	7.57±0.66a	0.14±0.01a	44.05±4.25a	0.73±0.02a
RV3	15.82±1.79b	3.51±0.36b	0.06±0.01b	22.27±2.40b	0.73±0.02a
RV4	17.68±1.71b	4.06±0.37b	0.10±0.01b	22.63±2.08b	0.75±0.03a
RV6	13.41±0.86b	3.09±0.17b	0.06±0.01b	22.00±1.77b	0.76±0.03a
RV10	28.29±2.73a	6.06±0.51b	0.11±0.01b	38.18±3.24a	0.72±0.03a
RV14	40.02±2.47a	8.64±0.48a	0.15±0.01a	48.45±2.90a	0.70±0.02a
RV18	38.67±2.40a	7.62±0.43a	0.12±0.01a	43.43±3.21a	0.64±0.02b
RV21	33.23±2.24a	7.34±0.46a	0.13±0.01a	45.42±3.81a	0.72±0.02a
RV22	33.63±2.56a	7.30±0.54a	0.13±0.01a	45.50±3.09a	0.70±0.02a
		H			
C	43.18±2.18a	8.48±0.40a	0.12±0.01a	52.77±3.27a	1.17±0.07a
ZS5	54.52±2.15b	9.46±0.34a	0.13±0.01a	62.55±3.41a	1.17±0.06a
ZS8	38.89±2.74a	8.03±0.59a	0.14±0.02a	59.23±3.46a	1.50±0.07b
ZS11	41.53±2.74a	7.30±0.48a	0.10±0.01a	60.36±3.12a	1.45±0.08b
ZS13	55.70±2.55b	9.76±0.45a	0.14±0.01a	79.86±4.31b	1.46±0.07b
ZS15	40.18±1.41a	7.50±0.31a	0.11±0.01a	59.55±3.10a	1.46±0.05b
ZS17	42.02±2.68a	7.90±0.48a	0.12±0.01a	50.68±3.63a	1.23±0.06a
ZS25	35.77±4.01b	7.20±0.71a	0.12±0.01a	55.14±4.61a	1.63±0.13b
C	28.79±1.71 a	6.85±1.71a	0.13±0.01a	30.15±7.69a	1.76±0.35a
AHA9	45.35±2.27 b	8.81±2.27b	0.30±0.02b	61.16±3.92b	1.29±0.05b
AHA11	39.39±2.19 b	8.14±2.19b	0.13±0.01a	47.82±2.86a	1.19±0.05b
AHA13	30.72±2.02 a	7.13±2.02a	0.15±0.01a	43.08±3.21a	1.34±0.06b
AHA15	37.36±1.75 b	8.24±1.75b	0.15±0.01a	49.13±2.77a	1.28±0.06b
AHA17	31.20±1.47 a	7.60±1.47a	0.17±0.01a	31.50±1.58b	0.97±0.05b
AHA20	28.36±1.72 a	8.12±1.72b	0.15±0.01a	37.93±2.65b	1.30±0.08b
AHA23	27.85±1.87 a	7.20±1.87a	0.15±0.01a	28.85±1.84b	0.99±0.05b
AHA24	24.32±1.54 a	5.04±1.54b	0.09±0.01a	30.15±2.42b	1.17±0.07b
C	28.79±1.71a	6.84±0.40a	0.13±0.01a	49.84±7.69a	1.42±0.09a
AS1	26.45±2.20a	5.77±0.39a	0.10±0.01b	31.41±3.12b	1.10±0.07b
AS4	29.35±2.21a	6.62±0.46a	0.11±0.01a	37.25±2.34b	1.33±0.09a
AS5	33.47±2.26a	8.01±0.53a	0.14±0.01a	50.48±2.92a	1.50±0.06a
AS6	34.88±2.27b	8.08±0.63a	0.14±0.01a	44.63±2.78a	1.24±0.06a
AS15	29.72±1.75a	7.02±0.40a	0.13±0.01a	39.96±2.82b	1.27±0.07a
AS20	31.14±1.94a	7.35±0.43a	0.13±0.01a	39.27±1.99a	1.25±0.08a

AS25	33.35±2.03a	7.68±0.45a	0.14±0.01a	46.00±2.97a	1.35±0.07b
C	40.1±3.10a	7.69±0.53a	0.12±0.01a	44.83±3.24a	1.11±0.05a
AA2	32.1±2.61b	6.02±0.57b	0.09±0.01b	50.59±4.51a	1.51±0.07b
AA5	34.0±2.85a	6.56±0.53a	0.10±0.01a	48.35±3.99a	1.39±0.07b
AA9	27.4±2.20b	6.64±0.54a	0.13±0.01a	52.33±5.21a	1.83±0.10b
AA12	35.9±2.59a	7.02±0.48a	0.11±0.01a	51.64±4.10a	1.39±0.06b
AA14	38.4±3.17a	7.31±0.54a	0.11±0.01a	47.35±3.84a	1.29±0.13a
C	34.59±2.76a	7.41±0.54a	0.13±0.01a	39.71±3.01a	1.15±0.06a
AH3	27.11±1.87b	5.45±0.32b	0.09±0.01b	35.31±2.96a	1.22±0.07a
AH4	29.48±2.52a	5.82±0.47b	0.09±0.01b	35.77±2.27a	1.22±0.06a
AH6	30.15±1.99a	6.38±0.44a	0.11±0.01a	35.73±2.39a	1.17±0.06a
AH7	30.25±1.95a	6.45±0.38a	0.11±0.01a	37.28±2.57a	1.17±0.05a
AH12	28.27±2.12a	6.08±0.38b	0.11±0.01a	35.54±2.16a	1.27±0.07a
AH18	30.90±2.42a	7.14±0.45a	0.14±0.01a	37.45±2.50a	1.22±0.08a
AH24	41.36±3.40a	8.72±0.64a	0.15±0.01a	61.89±5.75b	1.49±0.08b
C	36.10±2.36a	7.64±0.49a	0.12±0.01a	50.97±3.39a	1.41±0.09a
PH1	31.66±3.31a	6.37±0.64a	0.10±0.01a	43.87±4.08a	1.36±0.07a
PH4	37.53±2.04a	7.54±0.35a	0.12±0.01a	44.47±2.80a	1.18±0.09a
PH6	40.32±3.18a	8.22±0.57a	0.12±0.01a	52.23±5.20a	1.43±0.07a
PH11	36.90±2.53a	7.46±0.50a	0.12±0.01a	44.59±3.06a	1.17±0.06a
PH12	29.36±3.16a	5.99±0.58b	0.12±0.01a	38.18±3.83a	1.37±0.11a
PH13	40.18±3.20a	8.28±0.57a	0.13±0.01a	53.52±4.28a	1.34±0.09a
PH17	37.73±2.02a	7.87±0.44a	0.13±0.01a	40.90±2.91a	1.28±0.06a
PH21	41.78±2.69a	8.16±0.48a	0.13±0.01a	48.04±4.28a	1.08±0.06a
PH24	40.74±2.99a	8.28±0.48a	0.13±0.01a	51.35±3.82a	1.28±0.09a
C	28.79±1.71a	6.84±0.40a	0.13±0.01a	49.85±7.69a	1.76±0.35a
RR3	19.63±1.75b	2.42±0.35b	0.08±0.01b	27.55±2.60b	1.31±0.06b
RR5	22.06±2.08b	5.72±0.39b	0.12±0.01a	31.25±4.85b	1.19±0.13b
RR10	28.91±1.95a	6.54±0.38a	0.12±0.01a	28.54±2.50a	1.29±0.06b
RR11	31.71±2.18a	7.31±0.44a	0.14±0.01a	40.50±2.41a	1.25±0.05b
RR16	29.94±1.58a	7.26±0.33a	0.14±0.01a	40.05±2.55a	1.47±0.08a
RR20	42.19±2.22b	8.36±0.43b	0.13±0.01a	57.17±4.32a	1.29±0.06b
RR21	29.71±2.62a	7.02±0.50a	0.13±0.01a	41.29±3.92a	1.36±0.08b
RR22	30.21±2.31a	6.52±0.43a	0.12±0.01a	42.92±2.60a	1.42±0.07b
C	31.60±1.64a	6.27±0.30a	0.10±0.01a	44.56±2.44a	1.37±0.07a
SF1	36.20±1.61a	7.55±0.32b	0.13±0.01b	47.67±3.18a	1.27±0.08a
SF2	34.72±1.69a	7.05±0.31a	0.11±0.01a	47.00±2.90a	1.31±0.07a
SF4	22.83±1.71b	4.52±0.29b	0.07±0.01b	34.20±2.19b	1.50±0.10a
SF6	30.83±2.39a	6.65±0.48a	0.12±0.01a	44.75±2.68a	1.48±0.08a
SF7	36.91±1.53b	7.92±0.28b	0.14±0.01b	50.04±2.49a	1.31±0.05a
SF13	33.73±2.11a	7.06±0.41a	0.12±0.01a	43.11±2.43a	1.28±0.07a
SF18	33.75±1.37a	6.95±0.25a	0.12±0.01a	43.64±1.70a	1.26±0.05a
SF23	32.06±2.55a	6.78±0.49a	0.11±0.01a	46.44±4.44a	1.37±0.08a
SF25	35.81±2.36a	7.17±0.42a	0.12±0.01a	46.66±3.36a	1.24±0.05a
C	31.60±1.64a	6.27±0.30a	0.10±0.01a	44.56±2.44a	1.37±0.07a
SAT3	28.75±2.18a	6.50±0.50a	0.12±0.01a	45.29±3.53a	1.43±0.07a
SAT5	36.21±1.88a	7.49±0.30b	0.13±0.01b	50.71±2.56a	1.37±0.05a
SAT6	38.16±1.74b	7.59±0.34b	0.12±0.01a	47.89±2.73a	1.22±0.06a
SAT9	30.68±1.87a	6.69±0.39a	0.12±0.01a	44.07±2.50a	1.42±0.07a
SAT10	36.05±1.92a	7.87±0.39b	0.14±0.01b	49.48±3.09a	1.33±0.06a

SAT13	33.42±1.86a	7.01±0.36a	0.12±0.01a	43.35±2.68a	1.24±0.04a
SAT21	30.40±1.86a	6.67±0.37a	0.12±0.01a	45.20±3.48a	1.50±0.07a
C	31.60±1.64a	6.27±0.30a	0.10±0.01a	44.57±2.44a	1.37±0.07a
ST4	36.61±2.39a	8.04±0.48b	0.14±0.01b	50.78±3.15a	1.38±0.07a
ST6	38.07±1.77b	7.99±0.32b	0.13±0.01b	56.12±3.07b	1.46±0.09a
ST10	Nd*	Nd*	Nd*	Nd*	Nd*
ST12	47.63±2.41b	9.73±0.47b	0.16±0.01b	64.92±3.13b	1.34±0.05a
ST15	39.62±2.44b	8.18±0.42b	0.14±0.01b	52.68±3.54a	1.28±0.05a
ST16	38.44±2.26b	8.56±0.40b	0.15±0.01b	55.57±3.19b	1.44±0.07a
ST18	38.97±2.34b	8.15±0.43b	0.14±0.01b	56.35±3.64b	1.40±0.06a
C	20.71±2.27a	7.25±1.02a	0.21±0.04a	20.2±1.58a	1.01±0.09a
TM7	25.27±2.12a	10.31±0.83b	0.34±0.03b	15.56±1.28b	0.55±0.03b
TM12	16.87±1.69a	6.77±0.75a	0.22±0.03a	13.20±1.00b	0.70±0.04b
TM15	23.01±1.90a	8.92±0.69a	0.28±0.02a	16.92±1.27a	0.66±0.04b
TM29	20.12±1.79a	7.78±0.70a	0.25±0.02a	13.28±1.36b	0.55±0.04b