



Integron Mediated Multiple Heavy Metal and Antibiotic Resistance in Plant Growth Promoting Epiphytic Bacteria

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Supplementary Table 1. Heavy metals and antibiotic resistance profiling of selected epiphytic bacteria illustrating MTC of selected heavy metals (1000-150000 µg/ml) and antibiotics (500-2500 µg /ml).

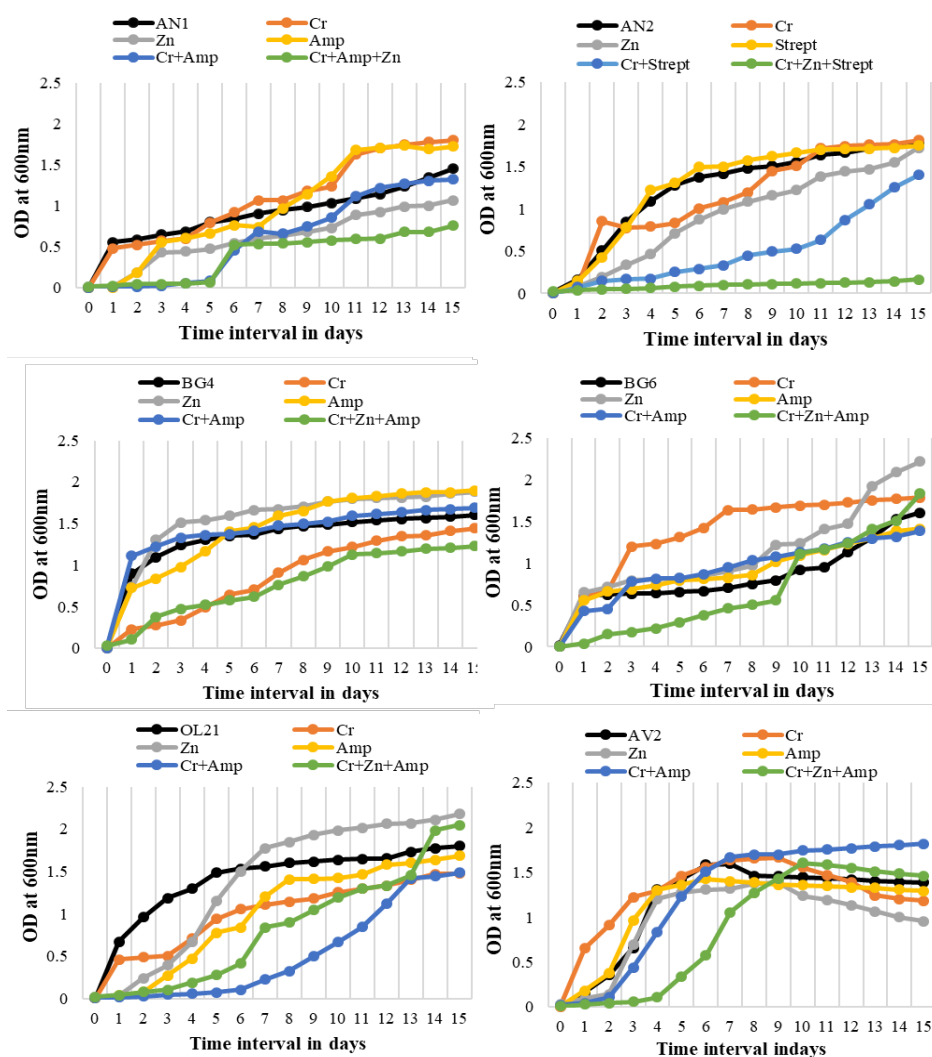
Heavy metal / antibiotic used (µg/ml)	Bacterial strain					
	AN1	AN2	BG4	BG6	OL21	AV2
K ₂ CrO ₇	3400	3400	2900	80000	100000	1100
	3500	3500	3000	100000	120000	1200
ZnCl ₂	1100	1000	1000	1000	1000	1000
	1200	1100	1100	1100	1200	1100
CuSO ₄	1500	700	1200	1000	600	600
	1600	800	1300	1100	700	700
NiCl ₂	1500	300	1500	600	400	600
	1600	400	1600	700	500	700
PbCl ₂	4200	4400	2900	3600	3600	2900
	4300	4500	3000	3700	3700	3000
Ampicillin	900	90	900	2300	90	2500
	1000	100	1000	2400	100	2600
Streptomycin	90	1400	400	90	400	600
	100	1500	500	100	500	700

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Supplementary Table 2. Effect of selected epiphytic bacterial isolates on the growth promotion of *Triticum aestivum*.

Bacterial strain	Germination (%)	Seedling length (cm)	Shoot length (cm)	Root length (cm)	Number of leaves	Number of roots
Control	70±0.81	17.65±4.04	8.8±2.01	8.76±2.09	2±0.12	4±0.57
AN1	80±0	20.66±1.56	11.1±0.16	9.56±1.39	3±0.10	4±0.20
AN2	100±0	27.39±1.31	10.86±0.65	16.53±0.66	2±0.08	6±0.08
BG4	80±0	25.84±1.96	10.43±1.39	15.4±0.57	2±0.10	5±0.10
BG6	80±0	19.45±1.53	9.25±1.40	10.2±0.12	2±0.10	4±0.40
OL21	80±0	16.69±0.62	10.41±0.29	6.27±0.32	2±0.10	5±0.61
AV2	70±0.81	29.60±4.83	10.92±1.85	18.67±2.98	2±0.10	5±0.24

Mean of triplicates with standard errors.

**Supplementary Fig. S1.** Single and synergistic effect of antibiotic and heavy metal stress on growth kinetics of selected epiphytic bacteria (AN1, AN2, BG4, BG6, OL21 and AV2).