



Antimicrobial activity of leaf extracts of *Bituminaria* sp. genotypes at different growth stages

Cihan Darcan^{1,2*}, Özge Kaygusuz², Sema Leblebici^{1,2}, Erdem Gülümser^{2,3} & Zeki Acar⁴

¹Department of Molecular Biology and Genetics, Faculty of Arts and Sciences; ²Biotechnology Application and Research Center; and

³Department of Field Crop, Faculty of Agriculture and Natural Science, Bilecik Şeyh Edebali University, Bilecik, Turkey

⁴Department of Field Crop, Faculty of Agriculture, Ondokuz Mayıs University, Samsun, Turkey

Supplementary Data

Supplementary Table 1 — Antimicrobial activity by disc diffusion method of extracts obtained during early growth (G), budding (B), and flowering (F). Discs were loaded with 10, 20 and 30 µL extract. Zone diameters are in millimeters (mm)

Genotype	Stage	Gram negative bacteria						Gram positive bacteria						Eukaryote		
		<i>Escherichia coli</i>			<i>Salmonella enterica serovar typhimurium</i>			<i>Bacillus cereus</i>			<i>Staphylococcus aureus</i>			<i>Saccharomyces cerevisiae</i>		
		10	20	30	10	20	30	10	20	30	10	20	30	10	20	30
1	G1	7	11	13	8	9	10	8	11	15	8	9	12	12	16	21
	B1	9	10	10	9	10	12	11	13	14	9	10	11	14	16	18
	F1	8	9	11	8	9	10	8	10	12	8	9	10	11	13	14
2	G2	8	9	12	9	10	11	10	12	17	10	11	12	12	17	20
	B2	7	9	10	8	9	10	11	12	14	10	12	15	12	14	16
	F2	7	9	11	7	8	9	9	10	14	10	11	13	12	13	14
3	G3	9	10	11	9	10	11	11	17	19	13	14	15	14	19	21
	B3	9	10	11	9	10	11	12	15	16	13	15	17	13	15	18
	F3	8	9	10	8	9	10	9	12	17	11	13	14	11	12	16
4	G4	9	10	12	9	10	11	10	13	17	12	14	15	15	17	20
	B4	8	9	10	8	9	11	10	14	15	9	10	12	14	16	17
	F4	8	9	11	8	9	10	10	13	16	12	13	15	11	13	15
5	G5	9	11	12	8	9	10	10	13	15	12	16	19	13	15	18
	B5	9	10	11	9	10	11	12	13	16	11	13	18	14	15	17
	F5	9	10	11	8	9	10	12	14	17	13	15	16	11	13	15
6	G6	9	11	12	9	10	12	10	11	15	12	15	18	14	15	20
	B6	9	10	11	9	10	11	12	14	16	12	15	18	15	18	19
	F6	8	9	10	8	9	10	11	12	13	10	11	14	11	15	17
7	G7	8	9	10	8	9	10	9	10	13	9	10	11	12	14	17
	B7	9	11	13	8	9	10	10	12	14	11	12	16	12	15	16
	F7	8	9	10	8	9	10	10	11	17	9	11	12	10	13	14
8	G8	8	9	10	7	8	10	10	12	13	11	11	12	12	17	21
	B8	8	10	13	8	9	11	12	14	18	10	13	17	12	16	18
	F8	7	9	10	7	8	10	9	10	13	7	9	11	9	11	12
9	G9	9	10	11	8	9	10	10	12	16	11	15	20	14	16	19
	B9	9	10	12	9	10	11	14	16	20	13	16	19	14	16	20
	F9	8	9	10	9	10	11	14	16	20	14	16	18	14	17	20
10	G10	9	10	11	9	10	11	10	12	16	12	15	18	14	17	19
	B10	9	10	12	9	10	11	11	13	14	10	11	14	10	13	14
	F10	8	9	10	8	9	10	10	14	16	10	12	14	13	15	18
11	G11	9	10	11	8	9	10	10	12	16	12	16	17	11	13	20
	B11	8	9	11	8	10	11	10	12	14	12	13	14	10	12	14
	F11	7	9	10	8	9	10	10	11	15	9	11	12	9	11	13
12	G12	9	10	11	8	10	11	9	11	16	9	10	11	13	17	20
	B12	9	10	11	8	9	10	15	16	19	11	12	16	13	15	18
	F12	9	10	11	9	10	11	14	16	20	13	16	18	13	14	19
Antibiotic	Km	22			20			18			19					
	Nys													24		
Solvent	EtOH	9			10			11			10			13		

[Nys, Nystatin; Km, Kanamycin; and EtOH, Etanol]