Supplementary Material

Endophytic bacteria and essential oil from Origanum vulgare ssp. vulgare share some VOCs with an antibacterial activity

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Table S1. Number of colony forming units (CFU) of each target strain obtained at the beginning (t_0) and at the end (t_1) of the cross-streaking experiments in the absence (C+) or in the presence (*vs* TESTER) of the endophytic strains.

	t_0	t_1 *vs* **OVS8**	C+	t_1 compared to C+ (%)
FCF3	5.9×10^3	7.2×10^4	5.0×10^8	0.0144
FCF23	1.6×10^3	$<10^2$	9.0×10^5	0.0110
LMG13010	3.0×10^3	4.3×10^5	2.7×10^8	0.1593
LMG16656	8.5×10^3	$<10^2$	4.8×10^7	0.0002
LMG21462	2.0×10^3	$<10^2$	1.1×10^8	0.0001
LMG24506	1.3×10^4	$<10^2$	1.1×10^8	0.0001
LMG1222	2.9×10^3	5.7×10^4	7.5×10^6	0.7600
LMG17588	3.0×10^3	6.3×10^2	6.6×10^6	0.0095
LMG19182	7.6×10^3	$<10^2$	8.0×10^5	0.0124
LMG19230	2.7×10^3	5.1×10^5	6.7×10^7	0.7612
			Mean	**0.1728**
	t_0	t_1 *vs* **OVF10**	C+	t_1 compared to C+ (%)
FCF3	5.9×10^3	2.0×10^8	5.0×10^8	40.0000
FCF23	1.6×10^3	5.6×10^7	9.0×10^5	6222.2222
LMG13010	3.0×10^3	1.4×10^8	2.7×10^8	51.8519
LMG16656	8.5×10^3	2.7×10^6	4.8×10^7	5.6250
LMG21462	2.0×10^3	3.9×10^5	1.1×10^8	0.3545
LMG24506	1.3×10^4	1.7×10^9	1.1×10^8	1545.4545
LMG1222	2.9×10^3	3.8×10^8	7.5×10^6	5066.6667
LMG17588	3.0×10^3	1.1×10^8	6.6×10^6	1666.6667
LMG19182	7.6×10^3	2.4×10^6	8.0×10^5	300.0000
LMG19230	2.7×10^3	1.7×10^7	6.7×10^7	25.3731

			Mean	**1492.4215**
	t_0	t_1 *vs* **OVS6**	C+	t_1 compared to C+ (%)
FCF3	5.9×10^3	2.8×10^5	5.0×10^8	0.0560
FCF23	1.6×10^3	1.5×10^4	9.0×10^5	1.6667
LMG13010	3.0×10^3	1.1×10^8	2.7×10^8	40.7407
LMG16656	8.5×10^3	1.8×10^5	4.8×10^7	0.3750
LMG21462	2.0×10^3	3.3×10^2	1.1×10^8	0.0003
LMG24506	1.3×10^4	8.8×10^4	1.1×10^8	0.0800
LMG1222	2.9×10^3	1.1×10^6	7.5×10^6	14.6667
LMG17588	3.0×10^3	6.7×10^6	6.6×10^6	101.5152
LMG19182	7.6×10^3	8.4×10^2	8.0×10^5	0.1050
LMG19230	2.7×10^3	5.3×10^7	6.7×10^7	79.1045
			Mean	**23.8310**
	t_0	t_1 *vs* **OVL24**	C+	t_1 compared to C+ (%)
FCF3	5.9×10^3	8.7×10^5	5.0×10^8	0.1740
FCF23	1.6×10^3	3.8×10^5	9.0×10^5	42.2222
LMG13010	3.0×10^3	2.4×10^7	2.7×10^8	8.8889
LMG16656	8.5×10^3	N.D.	4.8×10^7	N.D.
LMG21462	2.0×10^3	7.0×10^2	1.1×10^8	0.0006
LMG24506	1.3×10^4	1.1×10^6	1.1×10^8	1.0000
LMG1222	2.9×10^3	2.0×10^6	7.5×10^6	26.6667
LMG17588	3.0×10^3	3.3×10^7	6.6×10^6	500.0000
LMG19182	7.6×10^3	9.2×10^4	8.0×10^5	11.5000
LMG19230	2.7×10^3	1.0×10^8	6.7×10^7	149.2537
			Mean	**82.1896**
	t_0	t_1 *vs* **OVL9**	C+	t_1 compared to C+ (%)
FCF3	2.8×10^3	1.5×10^4	7.7×10^7	0.0195
FCF23	2.3×10^2	9.2×10^4	4.2×10^6	2.1905
LMG13010	1.9×10^3	3.5×10^6	1.8×10^8	1.9444
LMG16656	3.5×10^2	$<10^3$	8.2×10^7	0.0012
LMG21462	1.9×10^3	$<10^3$	6.4×10^7	0.0016
LMG24506	7.7×10^3	1.4×10^3	1.4×10^8	0.0010
LMG1222	7.9×10^2	$<10^5$	7.4×10^7	0.1351
LMG17588	7.6×10^2	2.2×10^5	1.3×10^7	1.6923
LMG19182	1.6×10^3	1.1×10^6	$<10^6$	110.0001
LMG19230	4.0×10^2	2.1×10^7	2.6×10^7	80.7692
			Mean	**19.6755**
	t_0	t_1 *vs* **OVS21**	C+	t_1 compared to C+ (%)
FCF3	2.8×10^3	N.D.	7.7×10^7	N.D.
FCF23	2.3×10^2	6.8×10^4	4.2×10^6	1.6190
LMG13010	1.9×10^3	5.2×10^6	1.8×10^8	2.8889
LMG16656	3.5×10^2	2.1×10^5	8.2×10^7	0.2561
LMG21462	1.9×10^3	$<10^3$	6.4×10^7	0.0016
LMG24506	7.7×10^3	5.6×10^3	1.4×10^8	0.0040
LMG1222	7.9×10^2	3.9×10^7	7.4×10^7	52.7027
LMG17588	7.6×10^2	1.2×10^7	1.3×10^7	92.3077
LMG19182	1.6×10^3	5.2×10^5	$<10^6$	52.0001
LMG19230	4.0×10^2	2.0×10^7	2.6×10^7	76.9231
			Mean	**30.9670**
	t_0	t_1 *vs* **OVF22**	C+	t_1 compared to C+ (%)
FCF3	2.8×10^3	7.5×10^4	7.7×10^7	0.0974
FCF23	2.3×10^2	4.8×10^3	4.2×10^6	0.1143

LMG13010	1.9×10^3	2.9×10^5	1.8×10^8	0.1611
LMG16656	3.5×10^2	$<10^3$	8.2×10^7	0.0012
LMG21462	1.9×10^3	$<10^3$	6.4×10^7	0.0016
LMG24506	7.7×10^3	$<10^3$	1.4×10^8	0.0007
LMG1222	7.9×10^2	2.4×10^7	7.4×10^7	32.4324
LMG17588	7.6×10^2	3.6×10^4	1.3×10^7	0.2769
LMG19182	1.6×10^3	2.0×10^5	$<10^6$	20.0000
LMG19230	4.0×10^2	1.6×10^6	2.6×10^7	6.1538
			Mean	**5.9235**
	t_0	t_1 *vs* **OVS26**	C+	t_1 compared to C+ (%)
FCF3	2.8×10^3	1.3×10^4	7.7×10^7	0.0169
FCF23	2.3×10^2	1.4×10^3	4.2×10^6	0.0333
LMG13010	1.9×10^3	6.6×10^5	1.8×10^8	0.3667
LMG16656	3.5×10^2	1.3×10^3	8.2×10^7	0.0016
LMG21462	1.9×10^3	$<10^3$	6.4×10^7	0.0016
LMG24506	7.7×10^3	$<10^3$	1.4×10^8	0.0007
LMG1222	7.9×10^2	1.4×10^4	7.4×10^7	0.0189
LMG17588	7.6×10^2	3.0×10^3	1.3×10^7	0.0231
LMG19182	1.6×10^3	1.4×10^5	$<10^6$	14.0000
LMG19230	4.0×10^2	7.0×10^6	2.6×10^7	26.9231
			Mean	**4.1386**