

1 **Plant growth promotion by volatile organic compounds**
2 **produced by *Bacillus subtilis* SYST2**

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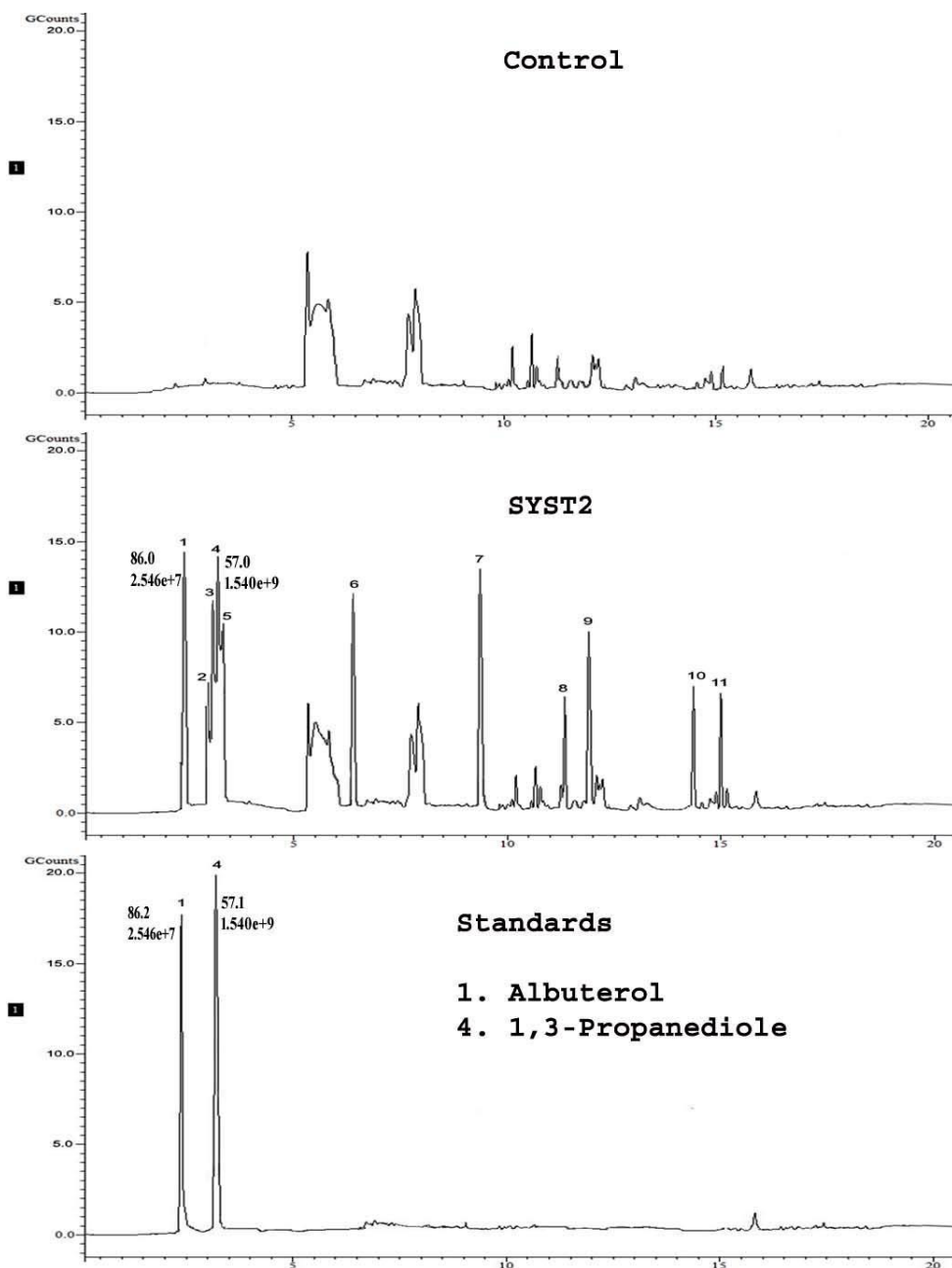
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17 SUPPLEMENTARY INFORMATION

18 **Table S1: Primers used in the study**

No	Oligo Name	Sequence 5' to 3'
1	<i>EF-1α</i> (F)	AGACCACCAAGTACTACTGCAC
2	<i>EF-1α</i> (R)	CCACCAATCTTGTACACATCC
3	<i>Exp2</i> (F)	TGTTGGAGGTGCTGGTGATA
4	<i>Exp2</i> (R)	CCCCTTCAAAGTTTGTCCA
5	<i>Exp9</i> (F)	GCTGGTATCGTCCCTGTTGT
6	<i>Exp 9</i> (R)	CTGACCAACCAAAACGGAGT
7	<i>Exp18</i> (F)	TGGCAGAGTGCTCATGCTAC
8	<i>Exp18</i> (R)	ATGGCACCATTGTGGGTAGT
9	<i>20-x1</i> (F)	ACGAGAAGCCTTGTGCCTTA
10	<i>20-x1</i> (R)	AAAAGCGGCAACTCAAAGAA
11	<i>SIIAA1</i> (F)	TGGATGGTGCCCCTTATCTA
12	<i>SIIAA1</i> (R)	CCAAGGAACATCACCAACAA
13	<i>SIIAA3</i> (F)	GCATGGATGGAGCACCTTAT
14	<i>SIIAA3</i> (R)	ACATCACCAACAAGCATCCA
15	<i>SICKX1</i> (F)	AACGATTGGTAGCGGACAAC
16	<i>SICKX1</i> (R)	CTAACGCTCGCCTAATCACC
17	<i>ACO1</i> (F)	TGCGCCATCTTCCTACTTCT
18	<i>ACO1</i> (R)	CCTTGATCAAATCGGGCTTA

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21 Figure S1: GC chromatograph of volatile organic compounds in control, produced by
 22 *Bacillus subtilis* SYST2 and two standard volatile organic compounds (albuterol and
 23 1,3-propanediol). 1= Albuterol; 2 = Methylphosphonic acid; 3 = 3-Methyl-3-buten-1-ol; 4
 24 = 1,3-Propanediol,2-methyl-,dipropanoate; 5 = Dimethyl silanediol; 6 =
 25 1,2-Benzenediol,3,5-bis(1,1-dimethylethyl); 7 = Cyclotetrasiloxane, octamethyl-; 8 =
 26 1-Octanol,2-butyl; 9 = Benzoic acid; 10 = Cyclohexasiloxane, dodecamethyl-; 11=
 27 Phenol,2-(1,1-dimethylethyl)-4-methyl. M/Z value of compound 1 and 4 is given in graph.