

**Additional file 3. Relative abundance of individual sesquiterpenes produced by *Oryza*TPS1s.**

Category	Genes	Germacrene D	$\beta$ -elemene	( <i>E</i> )- $\beta$ -caryophyllene	$\alpha$ -humulene
<b>EGS</b>	<i>OsTPS1</i> <sup>a</sup>	ND <sup>b</sup>	37.7 $\pm$ 1.1	57.1 $\pm$ 1.8	5.2 $\pm$ 0.3
<b>EGS</b>	<i>OoTPS1</i>	ND	44.3 $\pm$ 1.4	50.3 $\pm$ 1.7	5.4 $\pm$ 0.3
<b>EGS</b>	<i>OgTPS1</i>	ND	44.5 $\pm$ 0.8	49.4 $\pm$ 0.8	6.1 $\pm$ 0.3
<b>ECS</b>	<i>ObTPS1</i>	ND	1.1 $\pm$ 0.1	96.6 $\pm$ 0.2	2.3 $\pm$ 0.1
<b>ECS</b>	<i>OnTPS1</i>	1.4 $\pm$ 0.1	2.5 $\pm$ 0.2	83.9 $\pm$ 1.0	12.2 $\pm$ 0.8
<b>ECS</b>	<i>OgluTPS1</i>	ND	0.8 $\pm$ 0.1	96.1 $\pm$ 0.3	3.1 $\pm$ 0.1
<b>DAS</b>	<i>OrTPS1</i>	55.1 $\pm$ 0.8	30.5 $\pm$ 0.6	9.5 $\pm$ 0.3	4.9 $\pm$ 0.1

<sup>a</sup> The total production of sesquiterpenes for each enzyme is set as 100%.

<sup>b</sup> ND: not detected.