

Table S2. Statistical analysis of LMW phenol-derived compounds determined by UHPLC-MS/MS. Results were analyzed by Kruskal-Wallis test (left-hand superscript “a”) or one-way ANOVA (left-hand superscript “b”) according to data distribution and homoscedasticity, followed by multiple comparison tests ($P < 0.05$), accordingly. Different letters indicate significant differences between *Fmed* strains.

Statistical differences							
Compound name	P value	<i>Fm1</i>	<i>Fm2</i>	<i>Fm3</i>	<i>Fm4</i>	<i>Fm5</i>	<i>Fm6</i>
^b 4-Hydroxybenzaldehyde	< 0.0001	<i>C</i>	<i>B</i>	<i>C</i>	<i>A</i>	<i>C</i>	<i>ABC</i>
^a Benzoic acid	0.0005	<i>ABC</i>	<i>ABC</i>	<i>BC</i>	<i>A</i>	<i>C</i>	<i>AB</i>
^b 4-Hydroxy-3-methoxybenzoic acid (vanillic acid)	< 0.0001	<i>A</i>	<i>B</i>	<i>B</i>	<i>C</i>	<i>C</i>	<i>A</i>
^b 4-Hydroxycinnamic acid (<i>p</i> -coumaric acid)	< 0.0001	<i>C</i>	<i>D</i>	<i>A</i>	<i>E</i>	<i>B</i>	<i>C</i>
^a 2-Hydroxybenzoic acid (salicylic acid)	0.0030	<i>B</i>	<i>AB</i>	<i>B</i>	<i>A</i>	<i>AB</i>	<i>AB</i>
^a 3-Methoxybenzaldehyde	0.0005	<i>BC</i>	<i>ABC</i>	<i>A</i>	<i>ABC</i>	<i>C</i>	<i>AB</i>
^b N-Acetyl-5-aminosalicylic acid	<0.0001	<i>B</i>	<i>B</i>	<i>B</i>	<i>B</i>	<i>A</i>	<i>AB</i>
^a Methyl-4-hydroxybenzoate	0.0010	<i>A</i>	<i>AB</i>	<i>B</i>	<i>AB</i>	<i>B</i>	<i>AB</i>
^a 4-Hydroxy-3- methoxybenzaldehyde (vanillin)	0.0008	<i>ABC</i>	<i>ABC</i>	<i>BC</i>	<i>A</i>	<i>C</i>	<i>AB</i>
^a 5-Hydroxyindole-3-acetic acid	0.0006	<i>A</i>	<i>AB</i>	<i>BC</i>	<i>C</i>	<i>ABC</i>	<i>ABC</i>
^a Hypholomine B (isomer a)	0.0011	<i>BC</i>	<i>ABC</i>	<i>A</i>	<i>C</i>	<i>AB</i>	<i>ABC</i>
^a Hypholomine B (isomer b)	0.0007	<i>B</i>	<i>AB</i>	<i>AB</i>	<i>B</i>	<i>A</i>	<i>AB</i>