

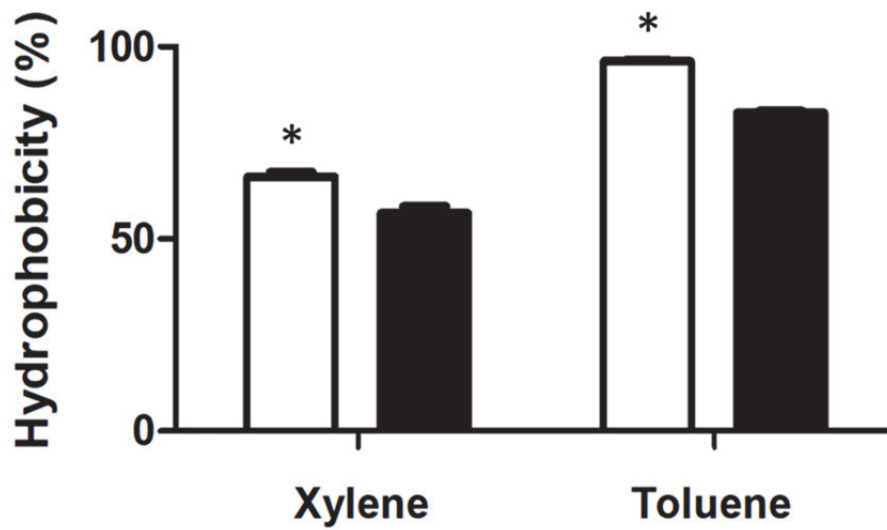
**Table S1. Antibiotic resistance profiles of *Lactobacillus plantarum* subsp. *plantarum* KCCP11226**

Strain	Antibiotics							
	Amp <sup>a</sup>	Ery <sup>b</sup>	Gen <sup>c</sup>	Cip <sup>d</sup>	Lin <sup>e</sup>	Nov <sup>f</sup>	Tet <sup>g</sup>	Strep <sup>h</sup>
<i>L. plantarum</i> subsp. <i>plantarum</i> KCCP11226	S	R	R	R	R	S	R	R

S, sensitive; R, resistant

<sup>a</sup>Ampicillin; <sup>b</sup>Erythromycin; <sup>c</sup>Gentamicin; <sup>d</sup>Ciprofloxacin; <sup>e</sup>Lincomycin; <sup>f</sup>Novobiocin; <sup>g</sup>Tetracycline;

<sup>h</sup>Streptomycin



**Fig. S1. Hydrophobicity against xylene and toluene.** White and black bars indicate *L. plantarum* subsp. *plantarum* KCCP11226 and *L. rhamnosus* GG, respectively. The results from three independent test are represent as means  $\pm$  SD. Significant means were expressed after analysis of variance (ANOVA) analysis with Tukey-Kramer multiple comparison tests ( $*p < 0.01$ ).