

<i>A.apis</i> strains	Matrices	Inhibition %				
		LP8	LP25	LP86	LP95	LP100
DSM 3116	BC	90.6±0.7 ^{Dc}	92.4±0.5 ^{Dc}	61.5±2 ^{Ca}	60.0±1.9 ^{Da}	75.3±1.5 ^{Db}
	CL	77.2±1.6 ^{Cc}	84.7±0.6 ^{Cd}	81.8±1.4 ^{Dd}	44.9±3.3 ^{Cb}	38.8±2.8 ^{Ba}
	CP	43.7±2.8 ^{Bb}	62.1±1.8 ^{Bc}	36.3±1.7 ^{Ba}	37.8±1.5 ^{Ba}	47.6±2.6 ^{Cb}
	CFS	< 1 ^{Aa}	< 1 ^{Aa}	< 1 ^{Aa}	< 1 ^{Aa}	< 1 ^{Aa}
DSM 3117	BC	92.5±0.7 ^{Dc}	100.0±0.0 ^{Dd}	62.9±1.3 ^{Da}	88.1±0.8 ^{Db}	88.2±0.6 ^{Db}
	CL	70.5±1.8 ^{Cb}	79.2±1.4 ^{Cc}	76.5±1.3 ^{Cc}	70.4±1.8 ^{Cb}	50.9±2.2 ^{Ba}
	CP	50.0±2.2 ^{Ba}	69.8±1.7 ^{Bc}	57.4±1.6 ^{Bb}	51.0±2.2 ^{Ba}	57.3±1.7 ^{Cb}
	CFS	1.7±0.8 ^{Aa}	2.7±2.1 ^{Aa}	10.2±4 ^{Ab}	1.7±1.2 ^{Aa}	5.1±2.4 ^{Aa}

Table S4. Inhibition (radial growth %) against *A. apis* DSM 3116 and *A. apis* DSM 3117 on to MEA agar plates, after 8 day in aerobiosis, using broth culture (BC), cell pellet (CP), cell free supernatant (CFS) and cell lysate (CL) of *L. plantarum* strains. Results are shown as mean ± standard deviation (n=3). Different uppercase letters (A-H), in each column, and different lowercase letters (a-d), in each row, indicate significant differences (p < 0.05).