

Table S1 Resistance to pH 2.5 at 15°C and 30°C of the examined *Lp. plantarum* strains (23V, 33V, 36V, 37V, 64V, 65V, 66V, 67V, 68V, 73V). The data (mean \pm SD; n=3) were expressed as log CFU/mL. Different lowercase letters (a–h) in each row indicate significant differences ($p < 0.05$).

Table S2 Resistance to 0.3% bile salts at 15°C and 30°C of the examined *Lp. plantarum* strains (23V, 33V, 36V, 37V, 64V, 65V, 66V, 67V, 68V, 73V). The data (mean \pm SD; n=3) were expressed as log CFU/mL. Different lowercase letters (a–e) in each row indicate significant differences ($p < 0.05$).

Table S3 Adhesion to toluene and xylene of *Lp. plantarum* strains (23V, 33V, 36V, 37V, 64V, 65V, 66V, 67V, 68V, 73V) after different contact times. The data (mean \pm SD; n=3) were expressed as percentage of hydrophobicity

Table S4 Auto-aggregation (AA) at 15°C and 30°C of the *Lp. plantarum* strains (23V, 33V, 36V, 37V, 64V, 65V, 66V, 67V, 68V, 73V). The data (mean \pm SD; n=3) were expressed as percentage of AA