

Characterization and Protective Properties of Lactic Acid Bacteria Intended to Be Used in Probiotic Preparation for Honeybees (*Apis mellifera* L.)—An In Vitro Study

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Table S3. Impact of the cell-free culture supernatants (CFS) from lactic acid bacteria (LAB) strains on the viability of Caco-2 cells. Results are presented as mean (from 8 measurements) \pm standard deviation (SD). The effect of CFS on Caco-2 cell survival rate has been tested using the Kruskal–Wallis test (KW test), followed by a multiple comparison test (MCT) to indicate significant differences between the groups at $p < 0.05$; significant differences are indicated with colors.

| LAB strain | Concentration of CFSs | | | |
|-----------------------------|---|--------------------|---|-------------------|
| | 1% | 5% | 10% | 20% |
| <i>A. kunkeei</i> DSM 12361 | 115.73 \pm 7.75 | 126.25 \pm 13.72 | 114.53 \pm 11.86 | 78.72 \pm 6.66 |
| <i>P. acidilactici</i> 4/1 | 93.28 \pm 7.2 | 97.91 \pm 10.03 | 94.39 \pm 7.12 | 34.91 \pm 10.46 |
| <i>P. pentosaceus</i> 5/2 | 103.44 \pm 9.44 | 109.3 \pm 9.72 | 124.42 \pm 6.71 | 89.81 \pm 8.74 |
| <i>P. pentosaceus</i> 7/1 | 101.65 \pm 6.89 | 116.65 \pm 4.69 | 100.24 \pm 8.7 | 45.80 \pm 8.83 |
| <i>P. acidilactici</i> 11/3 | 105.68 \pm 11.55 | 108.71 \pm 6.88 | 91.12 \pm 15.5 | 29.80 \pm 8.12 |
| <i>P. pentosaceus</i> 14/1 | 97.5 \pm 7.41 | 112.16 \pm 12.23 | 110.53 \pm 10.05 | 36.58 \pm 5.89 |
| <i>P. acidilactici</i> 18/1 | 101.08 \pm 8.81 | 108 \pm 7.86 | 94.49 \pm 17.49 | 30.26 \pm 3.51 |
| <i>P. acidilactici</i> 21/1 | 102.28 \pm 5.66 | 109.54 \pm 6.59 | 100.06 \pm 9.62 | 34.09 \pm 3.08 |
| <i>P. pentosaceus</i> 25/1 | 102.73 \pm 7.82 | 101.47 \pm 10.09 | 107.6 \pm 7.38 | 75.65 \pm 15.12 |
| <i>L. casei</i> 12AN | 164.53 \pm 17.88 | 144.41 \pm 10.29 | 157.26 \pm 24.8 | 30.17 \pm 3.48 |
| <i>P. pentosaceus</i> OK-S | 97.48 \pm 6.31 | 95.7 \pm 7.55 | 90.53 \pm 20.46 | 30.92 \pm 5.05 |
| Legend: | significantly increased Caco-2 cells survival ($p < 0.05$. KW test) | | significantly decreased Caco-2 cells survival ($p < 0.05$. KW test) | |