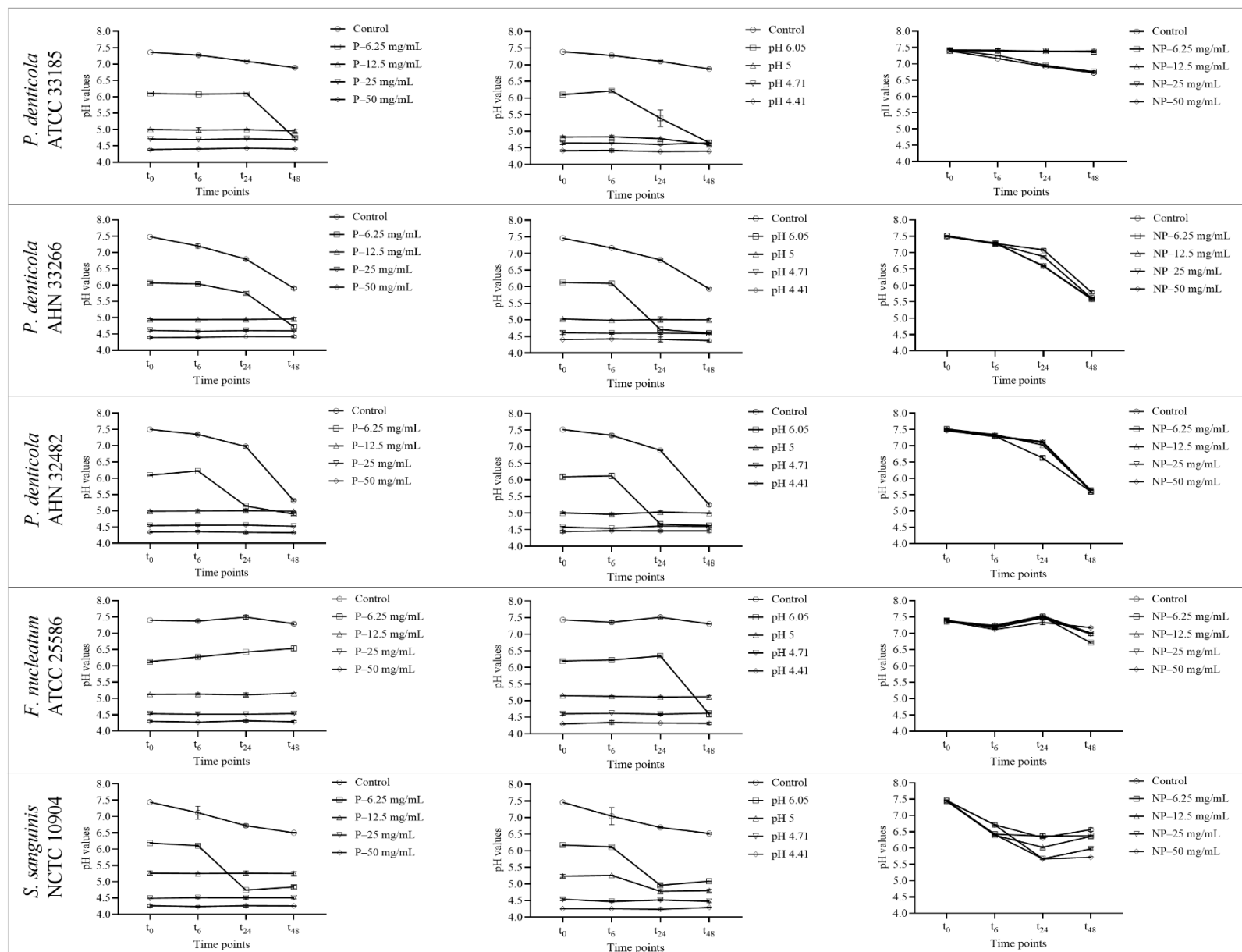


## Supplementary Material

Postbiotics of the *Lactiplantibacillus plantarum* EIR/IF-1 strain show antimicrobial activity against oral microorganisms with pH adaptation capability

MICROBIOLOGY RESEARCH



**Figure S1.** pH changes in culture media with different concentrations of crude postbiotics, media acidified with HCl, or with different concentrations of neutralized postbiotics. P; crude postbiotics, acidified media with HCl (average pH values corresponding to pH values of culture media adjusted with different concentrations of crude postbiotics), NP; neutralized postbiotics (pH 7). Each row represents a different strain, the bars indicate the standard deviation

**Table S1.** Microbial growth after recovery

<i>P. denticola</i> ATCC 33185				
Time points	6.25 mg/mL	12.50 mg/mL	25 mg/mL	50 mg/mL
t6 <sup>a</sup> -C <sup>d</sup>	+	+	-	-
t6-N <sup>e</sup>	+	+	+	-
t6-A <sup>f</sup>	+	+	-	-
t24 <sup>b</sup> -C	+	+	-	-
t24-N	+	+	-	-
t24-A	+	+	-	-
t48 <sup>c</sup> -C	+	-	-	-
t48-N	-	-	-	-
t48-A	+	-	-	-
<i>P. denticola</i> AHN 32366				
Time points	6.25 mg/mL	12.50 mg/mL	25 mg/mL	50 mg/mL
t6 <sup>a</sup> -C <sup>d</sup>	+	+	-	-
t6-N <sup>e</sup>	+	+	+	+
t6-A <sup>f</sup>	+	+	-	-
t24 <sup>b</sup> -C	+	+	-	-
t24-N	+	+	+	+
t24-A	+	+	-	-
t48 <sup>c</sup> -C	+	+	-	-
t48-N	+	+	+	+
t48-A	+	+	-	-
<i>P. denticola</i> AHN 32482				
Time points	6.25 mg/mL	12.50 mg/mL	25 mg/mL	50 mg/mL
t6 <sup>a</sup> -C <sup>d</sup>	+	+	-	-
t6-N <sup>e</sup>	+	+	+	+
t6-A <sup>f</sup>	+	+	-	-
t24 <sup>b</sup> -C	+	+	-	-
t24-N	+	+	+	+
t24-A	+	+	-	-
t48 <sup>c</sup> -C	+	+	-	-
t48-N	+	+	+	+
t48-A	+	+	-	-
<i>F. nucleatum</i> ATCC 25586				
Time points	6.25 mg/mL	12.50 mg/mL	25 mg/mL	50 mg/mL
t6 <sup>a</sup> -C <sup>d</sup>	+	+	-	-
t6-N <sup>e</sup>	+	+	+	+
t6-A <sup>f</sup>	+	+	-	-
t24 <sup>b</sup> -C	+	+	-	-
t24-N	+	+	+	+
t24-A	+	-	-	-
t48 <sup>c</sup> -C	+	-	-	-
t48-N	+	+	+	+
t48-A	+	-	-	-
<i>S. sanguinis</i> NCTC 10904				
Time points	6.25 mg/mL	12.50 mg/mL	25 mg/mL	50 mg/mL

<b>t6<sup>a</sup>-C<sup>d</sup></b>	+	+	-	-
<b>t6-N<sup>e</sup></b>	+	+	+	+
<b>t6-A<sup>f</sup></b>	+	+	-	-
<b>t24<sup>b</sup>-C</b>	+	+	-	-
<b>t24-N</b>	+	+	+	+
<b>t24-A</b>	+	+	-	-
<b>t48<sup>c</sup>-C</b>	+	-	-	-
<b>t48-N</b>	+	+	+	+
<b>t48-A</b>	+	+	-	-

Legends: <sup>a</sup>6<sup>th</sup> hour; <sup>b</sup>24<sup>th</sup> hour; <sup>c</sup>48<sup>th</sup> hour; <sup>d</sup>crude postbiotics; <sup>e</sup>neutralized postbiotics; <sup>f</sup>acidified media; “+” growth after recovery; “-” no growth after recovery