

Supplementary Table 1. Prebiotic index calculated for control and MNP considering the relative abundance of different bacterial groups analyzed by fluorescence *in situ* hybridization (FISH) combined with multiparametric flow cytometry in an *in vitro* static fermentation.

| Samples | Prebiotic score | |
|---------|------------------------------|------------------------------|
| | 24 h | 48 h |
| CTL | $-1.98 \pm 0.04^{\text{Ba}}$ | $-9.12 \pm 0.02^{\text{Aa}}$ |
| MNP | $35.54 \pm 0.05^{\text{Ab}}$ | $65.18 \pm 0.07^{\text{Bb}}$ |

(CTL): Control, (MNP): Milnutri Profutura®.

A–B: Different superscript capital letters in the same row for the same cultivation media denotes differences ($p < 0.05$), based on Student's t-test. a-b: different superscript small letters in the same column at the same time interval denotes difference ($p < 0.05$) among cultivation media, based on Tukey's test.