



Supplementary Figure S1. Disruption of *gltA* in *B. longum* 105-A. (a) Schematic drawing of the *gltABC* loci on the chromosomes of *B. longum* 105-A wild-type and Δ *gltA* strains. (b) Disruption of *gltA* was verified by the genomic PCR followed by agarose gel electrophoresis. The primer pairs Pr-36 and Pr-37 were used to amplify the *gltA* region. (c) Western blot analysis using anti-GltA antibodies [89]. The cell-free extracts (1.6 μ g) of the wild-type and Δ *gltA* strains were loaded onto SDS-polyacrylamide gel electrophoresis. (d) Growth of the wild-type and Δ *gltA* strains in a basal media supplemented with 1 % Lac or LNB. OD₆₀₀ values after 60 h incubation are shown. Data are mean \pm SD of biological triplicates.