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(71) Applicants (for all designated States except US): **VIB VZW** [BE/BE]; Rijnvisschestraat 120, B-9052 Zwijnaarde (BE). **UNIVERSITEIT GENT** [BE/BE]; Sint-Pieter-snieuwstraat 25, B-9000 Gent (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **REMAUT, Erik** [BE/BE]; Bergstraat 7, B-9921 Vinderhoute (BE). **IS-ERENTANT, Dirk** [BE/BE]; Watermolenstraat 23, B-3018 Wijgmaal (BE).

(74) Common Representative: **VIB VZW**; Rijnvisschestraat 120, B-9052 Zwijnaarde (BE).

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(54) Title: METHOD TO IMPROVE LACTOCOCCUS PRESERVATION

(57) Abstract: The present invention relates to Lactococcus lactis strains with improved preservation characteristics, and improved acid and bile salt tolerance. More specifically, the invention relates to a L. lactis strain comprising a heterologous trehalose-6-phosphate synthase gene and/or a trehalose-6-phosphate phosphatase gene, resulting in an accumulation of trehalose in the cytoplasm and/or in the cytoplasmic membrane. It further relates to a L. lactis strain, whereby said trehalose accumulation results in an internal trehalose concentration of at least 10 mg per gram cells (ww).



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