Type of the Paper (Article)

Fermentation of the Brown Seaweed *Alaria esculenta* by a Lactic Acid Bacteria Consortium able to Utilize Mannitol and Laminari-Oligosaccharides.

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Supplementary document



**Figure** **S 1**: Agarose gel electrophoresis of 16S rRNA gene, amplified with universal primers fD1 and rP2 and purified from agarose gel. Thermo Scientific GeneRuler 1 kb DNA Ladder (Thermo Fisher Scientific) was used as DNA ladder.

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**Figure** **S 2**: *Ml*Lam17B purity and integrity determination with SDS-PAGE. Precision Plus Protein Dual Color Standards (Bio-Rad) molecular-mass marker was used to estimate the molecular weight of protein.

**Table S 1:** Composition analysis of *Alaria esculenta* after lyophilization

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Carbohydrate composition (% DW) | | | | |  |  |  |  |
| Mannitol | Fucose | Galactose | Glucose | Xylose | Mannose | Mannuronic acids | Guluronic acids | Glucuronic acid |
| 6.02 ± 0.11 | 1.7 ± 0.01 | 1.0 ± 0.03 | 2.91 ± 0.1 | 0.3 ± 0.01 | 0.41 ± 0.01 | 7.98 ± 1.14 | 7.72 ± 1.38 | 0.86 ± 0.1 |