

Table S1. Biochemical characterization of *Leuconostoc mesenteroides* GBUT-21

Active ingredients	Results	Active ingredients	Results
Glycerol	–	Salicin	–
Erythritol	–	D-Cellobiose	+
D-Arabinose	–	D-Maltose	+
L-Arabinose	+	D-Lactose (bovine origin)	+
D-Ribose	+	D-Melibiose	+
D-Xylose	+	D-Saccharose	+
L-Xylose	–	D-Trehalose	+
D-Adonitol	–	Inulin	–
Methyl- β -D-Xylopyranoside	–	D-Melezitose	–
D-Galactose	+	D-Raffinose	+
D-Glucose	+	Amidon (starch)	–
D-Fructose	+	Glycogen	–
D-Mannose	+	Xylitol	–
L-Sorbose	–	Gentiobiose	+
L-Rhamnose	–	D-Turanose	+
Dulcitol	+	D-Lyxose	–
Inositol	–	D-Tagatose	–
D-Mannitol	–	D-Fucose	–
D-Sorbitol	+	L-Fucose	–
Methyl- α -D-Mannopyranoside	–	D-Arabitol	–
Methyl- α -noside	–	L-Arabitol	–
N-acetylglucosamine	+	Potassium Gluconate	+
Amygdalin	+	Potassium 2-Ketogluconate	–
Arbutin	+	Potassium 5-Ketogluconate	–
Esculin	+		

(-) The bacterium does not use this carbohydrate. (+) The bacterium uses this carbohydrate.