

Table S1 Some growth parameters of *L. bulgaricus* CRL 450 after 24 h of incubation with purified Vivinal-GOS, *A. oryzae*-OsLu, CRL450-GOS and CRL450-OsLu. Data are means of two independent assays (\pm SD)

Growth parameters	Purified Vivinal	Purified Ao-OsLu	Purified CRL450 GOS	Purified CRL450 OsLu
OD600 _{max}	0.13 \pm 0.06	0.16 \pm 0.07	0.21 \pm 0.01	0.17 \pm 0.00
Final pH	5.60 \pm 0.07	5.51 \pm 0.02	5.03 \pm 0.02	5.19 \pm 0.02
Lactic acid (mg/mL)	1.33 \pm 0.17	1.32 \pm 0.00	1.18 \pm 0.00	1.45 \pm 0.00

Figure S1 Monitoring of ONPG hydrolysis (pH 6.5, 40 °C) by β -galactosidase enzyme contained in the cell-free extract (CFE) of representative lactobacilli from collection of CERELA-CONICET (CRL), (codes in Table 1). The data are the means of two determinations of two independent assays (n=4). (Code Table 1).

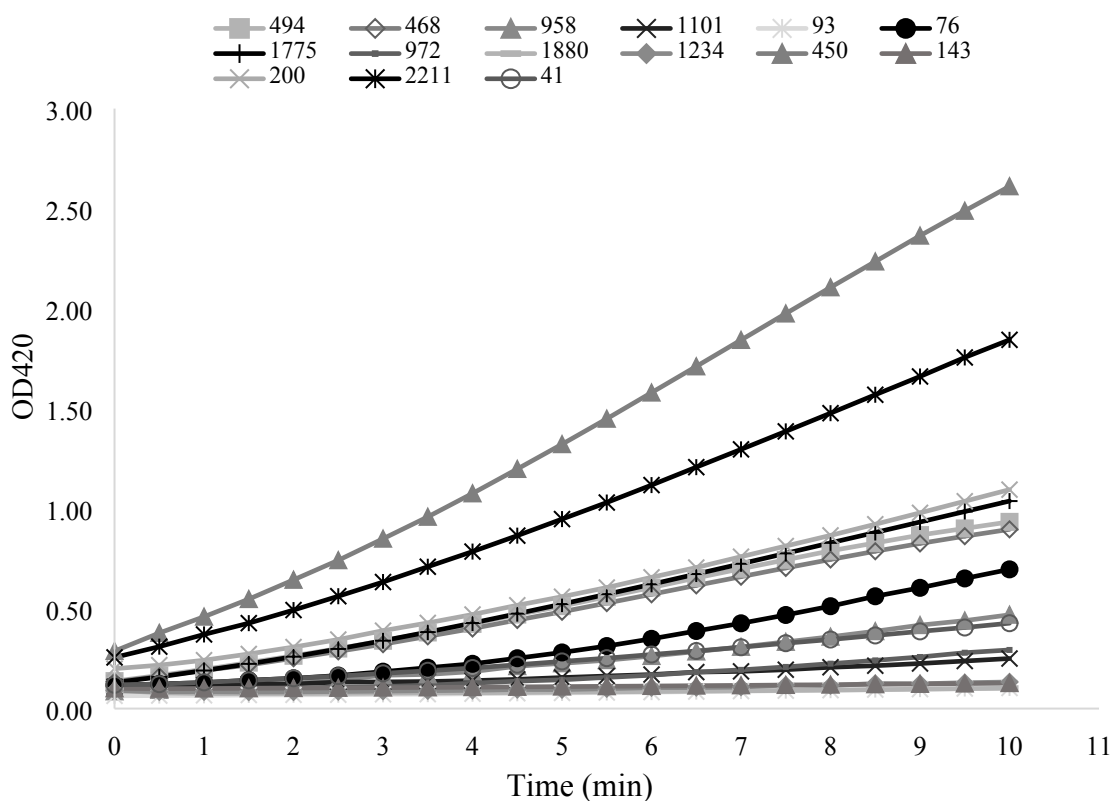


Figure S2 Synthesis of oligosaccharides by different enzymes. Oligosaccharide mixtures are identified as follows: lane 1, Mix1 (galactose + lactose); lane 2, Mix2 (raffinose + stachyose); lane 3, *L. bulgaricus* CRL468 oligosaccharides; lane 4, *L. bulgaricus* CRL450 oligosaccharides; lane 5, Vivinal GOS oligosaccharides.

