

Table S5. Enzymatic profiles of the 8 tested LAB strains using the API-ZYM system (+ positive; - negative).

Enzyme	<i>Lp. plantarum</i> strains				<i>Al. kumkei</i> strains			
	LP 31	LP 42	LP 148	LP 179	ALK 181	ALK 222	ALK 268	ALK 385
Acid phosphatase	-	-	-	-	+	+	+	+
Alkaline phosphatase	-	+	+	+	+	+	+	+
Cystine arylamidase	-	-	-	-	+	+	+	+
Esterase (C4)	-	+	+	+	+	+	+	+
Esterase lipase (C8)	+	-	+	-	+	+	+	+
Leucine arylamidase	+	-	+	-	+	+	+	+
Lipase (C14)	-	-	-	-	-	-	-	-
N-acetyl-b-glucosaminidase	+	+	+	+	+	+	+	+
Naphthol-AS-BI-phosphohydrolase	-	-	-	-	+	+	+	+
Trypsin	-	-	-	-	-	-	-	-
Valine arylamidase	+	-	+	-	+	+	+	+
α -Chymotrypsin	-	-	-	-	-	-	-	-
α -Fucosidase	-	-	-	-	+	+	+	+
α -Galactosidase	-	+	+	+	-	+	-	-
α -Glucosidase	+	+	+	+	+	+	+	+
α -Mannosidase	-	-	-	-	-	-	-	-
β -Galactosidase	+	+	+	+	+	+	+	+
β -Glucosidase	+	+	+	+	+	+	-	+
β -Glucuronidase	-	-	-	-	-	+	-	+