

Table S I: Antibiotic susceptibility of isolated *Weissella* strains

	Strain13	Strain16	Strain28	Strain29
Cell wall synthesis inhibitor				
Vanomycin (30 µg)	-	-	-	-
Penicillin G (1 unit)	+	+	+	+
Cloxacillin (1 µg)	+	+	-	+
Cefotaxime (30 µg)	+	+	+	+
Cefuroxime (30 µg)	+	+	-	-
Ampicillin (10 µg)	+	+	+	-
Protein synthesis inhibitor				
Streptomycin (10 µg)	+	+	-	+
Gentamycin (10 µg)	+	+	+	+
Tetracycline (25 µg)	+	+	+	+
Chloramphenicol (10 µg)	+	+	+	+
Clindamycin (2 µg)	+	+	+	+
Erythromycin (15µg)	+	+	+	+
Fusidic acid (10 µg)	-	-	+	+
Linezolid (30 µg)	+	+	+	+
Lincomycin (2 µg)	+	+	+	+
Nucleic acid synthesis inhibitor				
Ciprofloxacin (5 µg)	+	+	+	+
Metronidazole (5 µg)	+	+	-	+
Others				
Piperacillin (100 µg)	+	+	+	-
Teicoplanin (30 µg)	+	+	-	+
Methicillin (5 µg)	+	+	-	-
Cifepime (30 µg)	+	+	+	-
Augmentin (30 µg)	+	+	-	-
Methyl penicillin (30 µg)	+	+	-	-

+: Sensitive towards antibiotic, -: Resistant towards antibiotic

Table S II: Carbohydrate fermentation pattern of isolated strains using biolog assay plates after 48h of incubation

SUGARS	Strain 13	Strain 16	Strain 28	Strain 29
Temoin	-	-	-	-
Glycerol	-	-	-	-
Erythritol	-	-	-	-
D-Arabinose	-	-	-	-
L- Arabinose	+	+	W+	+
D-Ribose	+	-	-	W+
D-Xylose	+	+	W+	+
L-Xylose	-	-	-	-
D-Adonitol	-	-	-	-
Methyl-βD-Xylopyranoside	-	-	-	-
D-Galatose	-	-	-	W+
D-Glucose	+	+	+	+
D-Fructose	+	+	+	+
D-Mannose	+	+	+	+
L-Sorbose	-	-	-	-
L-Rhamnose	-	-	-	-
Dulcitol	-	-	-	-
Inositol	-	-	-	-
D-Mannitol	-	-	-	-
D-Sorbitol	-	-	-	-
Methyl-αD –Mannopyranoside	-	-	-	-
Methyl-αD –Glucopyranoside	-	-	-	-
N-Acetyl Glucosamine	+	+	+	+
Amygdaline	+	-	+	+
Arbutine	+	-	+	+
Esculine Citrate De Fer	+	+	+	+
Salicine	+	-	+	+
D-Celiobiose	+	-	+	+
D-Maltose	+	+	+	+
D-Lactose	-	-	-	-
D-Melibiose	-	-	-	-
D-Saccharose	-	+	+	+
D-Trehalose	-	-	-	-
Inulin	-	-	-	-
D-Melezitose	-	-	-	-
D-Raffinose	-	-	-	-
Amidon	-	-	-	-
Glycogene	-	-	-	-
Xylitol	-	-	-	-
Gentiobiose	+	-	+	+
D-Turanose	-	-	-	-
D-Lyxose	-	-	-	-

D-Tagatose	-	-	-	-
D-Fucose	-	-	-	-
L-Fucose	-	-	-	-
D-Arabitol	-	-	-	-
L-Arabitol	-	-	-	-
Potassium Gluconate	W+	W+	-	W+
Potassium 2-Cetogluconate	-	-	-	-
Potassium 5-Cetogluconate	-	-	-	-

Note: +, positive fermentation of sugar; W+, Weak positive; -, no fermentation