

Carbon substrates	<i>P. freudenreichii</i> (1)	<i>P. freudenreichii</i> (2)	CIP103027 ^T
glucose	+	+	+
galactose	+	+	+
D-mannose	+	+	+
D-fructose	+	d+	+
lactose	+ or – (3)	d+	+
glycerol	+	+	+
erythritol	+	+	+
adonitol	d+	+	+
Lactic acid	+	+	+
Gluconic acid	nr	d-	+
Esculine hydrolysis	+	+	-
inositol	d+	+	-
L-arabinose	+	d+	-
ribose	d+	d-	-
melibiose	-	d-	-
D-raffinose	-	d-	+
Saccharose	-	d-	-
L-arabitol	nr	d-	-
Xylitol	nr	d-	-

+, positive reaction in 90-100% of strains; -, negative reaction in 90-100% of strains; d+, positive reaction in 40-90% of strains; d-, negative reaction in 40-100% of strains;

(1) Reference [35]

(2) This study: results of tests in Api 50CH strips for 150 *P. freudenreichii* strains

(3) Depending on the subspecies *freudenreichii* or *shermanii*

nr: not reported