

Table S1. Carbohydrate utilization profile of MSC-3G.

Characteristic	Results
Carbon source fermentability	
Glycerol	-
Erythritol	-
D-Arabinose	-
L-Arabinose	+
D-Ribose	+
D-Xylose	+
L-Xylose	-
D-Adonitol	-
Methyl- β D-xylopyranoside	-
D-Galactose	+
D-Glucose	+
D-Fructose	+
D-Mannose	+
L-Sorbose	-
L-Rhamnose	-
Dulcitol	-
Inositol	-
D-Mannitol	+
D-Sorbitol	-
Methyl- α D-mannopyranoside	-
Methyl- α D-glucoyranoside	-
N-Acetyl glucosamine	+
Amygdalin	+
Arbutin	+
Esculin ferric citrate	-
Salicin	+
D-Cellobiose	+
D-Maltose	+
D-Lactose	+
D-Melibiose	-
D-Sucrose	+
D-trehalose	+
Inulin	-

D-Melezitose	-
D-Raffinose	-
Starch	+
Glycogen	-
Xylitol	-
Gentiobiose	+
D-turanose	-
D-Lyxose	-
D-Tagarose	-
D-Fucose	-
D-Arabitol	-
Gluconate	+
2-Ketogluconate	-
5-Ketogluconate	-
