

Supporting information for Lu *et al.* (2003) *Proc. Natl. Acad. Sci. USA*,  
 10.1073/pnas.0931375100.

**Table 5. Growth of *C. heterostrophus* WT and mutant strains on different carbon and nitrogen sources**

Carbon source*	Growth, cm		Nitrogen source <sup>†</sup>	Growth, cm	
	WT	1301-R-45		WT	1301-R-45
Glucose	8.0	8.0	Ammonium	5.0	5.0
Xylose	8.0	8.0	Nitrate	8.0	8.0
Sorbose	1.5	1.3	Nitrite	4.0	4.0
Mannitol	8.0	8.0	Arginine	5.0	5.0
Gluconate	4.0	4.0	Glutamine	8.0	8.0
Glycerol	2.0	2.0	Histidine	5.0	5.0
Lactate	4.0	4.0	Methionine	4.0	4.0
Polypectate	7.0	7.0	Tyrosine	7.0	7.0
Succinate	7.0	7.0	Adenine	5.0	5.0

Colony diameters (average of three replicates) were measured 7 days after inoculation.

WT = C4; REMI mutant R.C4.2696 represented by progeny 1301-R-45.

\*Each compound was added (10 g/liter) to MM; nitrogen source was  $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$  at 1 g/liter.

<sup>†</sup>Each compound was added (1 g/liter) to MM; carbon source was glucose (10 g/liter).

Ammonium:  $\text{NH}_4\text{Cl}$ ; nitrate:  $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$ ; nitrite:  $\text{NaNO}_2$ .