

**Table S1.** Growth media used in this study

TY medium	
tryptone	5 g L <sup>-1</sup>
yeast extract	3 g L <sup>-1</sup>
CaCl <sub>2</sub> •6H <sub>2</sub> O	1.3 g L <sup>-1</sup>
L3+N or L3–N media	
DL-sodium lactate	10 g L <sup>-1</sup>
potassium phosphate	10 mM
NH <sub>4</sub> Cl	10 mM or 0 mM
MgSO <sub>4</sub> •7H <sub>2</sub> O	100 mg L <sup>-1</sup>
NaCl	50 mg L <sup>-1</sup>
CaCl <sub>2</sub> •2H <sub>2</sub> O	40 mg L <sup>-1</sup>
FeCl <sub>3</sub> •6H <sub>2</sub> O	5.4 mg L <sup>-1</sup>
Na <sub>2</sub> MoO <sub>4</sub> •2H <sub>2</sub> O	5 mg L <sup>-1</sup>
biotin	2 mg L <sup>-1</sup>
nicotinic acid	4 mg L <sup>-1</sup>
pantothenic acid	4 mg L <sup>-1</sup>