Substrates	Products	Typical species	Gram reaction	Shape	Motility*	Remark
Amino acids	Valerate, Isovalerate, propionate, butyrate,	*Lactobacillus sp.*	+	rod	N	Production of γ-aminobutyric acid
		Eschericia coli	–	rod	M	Synthesis of nitrobenzocyclophosphamide
	acetate, H_2, Higher fatty acids	*Staphylococcus sp.*	+	sphere	N	
		Bacillus sp.	+	rod	M	
		Pseudomonas sp.	–	rod	M	Biodegradation of mixture of various textile dyes
		Micrococcus sp.	+	sphere	N	
		Eubacterium limosum	+	rod	M	Biotransformation isoflavonoids biochanin
		Clostridium sp.	+	rod	M	Hydrogen production from sucrose
		Zymomonas mobiliz	–	rod	M	Ethanol production
Sugars	CO_2, H_2, formate, acetate, butyrate	*Eubacterium sp.*	+	rod	M	Hydrogen production
	CO_2, H_2, formate, acetate, ethanol, lactate	*Eschericia coli*	–	rod	M	
	Formate, acetate, ethanol, lactate	*Bifidobacterium sp.*	+	rod	N	Production of bacteriocin
	Acetate	*Acetobacterium sp.*	–	ellipse	M	Production of vitamin B_{12}
Fatty acids	Valerate, isovalerate, propionate, butyrate, acetate, H_2	*Closrtidium sp.*	+	rod	M	
Alcohols		*Syntrophomonas wolfei*	–	rod	M	Oxidation of fatty acids

*M, motile; N, non-motile.