

Phylum	Class	Species	Abundance	Cellulase	H ₂ production
Firmicutes	Clostridia	<i>Clostridium thermocellum</i>	406	+	+
Firmicutes	Clostridia	<i>Alkaliphilus metalliredigens</i>	310	-	+
Firmicutes	Clostridia	<i>Desulfitobacterium hafniense</i>	246	-	+
Firmicutes	Clostridia	<i>Caldanaerobacter subterraneus</i>	237	-	+
Firmicutes	Clostridia	<i>Pelotomaculum thermopropionicum</i>	227	-	+
Firmicutes	Clostridia	<i>Finegoldia magna</i>	208	-	+
Firmicutes	Clostridia	<i>Syntrophomonas wolfei</i>	203	-	+
Firmicutes	Clostridia	<i>Clostridium difficile</i>	188	+	+
Firmicutes	Clostridia	<i>Moorella thermoacetica</i>	186	-	+
Firmicutes	Clostridia	<i>Clostridium kluyveri</i>	176	n.d.	+
Firmicutes	Clostridia	<i>Carboxydotherrmus hydrogenoformans</i>	161	-	+
Firmicutes	Clostridia	<i>Heliobacterium modesticaldum</i>	150	-	+
Firmicutes	Clostridia	<i>Desulfotomaculum reducens</i>	139	-	+
Firmicutes	Clostridia	<i>Clostridium cellulolyticum</i>	126	+	+
Firmicutes	Bacilli	<i>Enterococcus faecalis</i>	112	n.d.	+
Firmicutes	Bacilli	<i>Bacillus cereus</i>	102	+	+
Firmicutes	Bacilli	<i>Streptococcus suis</i>	93	+	-
Firmicutes	Clostridia	<i>Caldicellulosiruptor saccharolyticus</i>	93	+	+
Firmicutes	Clostridia	<i>Clostridium perfringens</i>	87	-	+
Firmicutes	Clostridia	<i>Thermoanaerobacterium thermosaccharolyticum</i>	86	-	+
Firmicutes	Clostridia	<i>Ruminococcus albus</i>	83	+	+
Firmicutes	Clostridia	<i>Clostridium saccharolyticum</i>	78	+	+
Firmicutes	Clostridia	<i>Clostridium acetobutylicum</i>	63	+	+
Firmicutes	Bacilli	<i>Bacillus thuringiensis</i>	62	+	+
Firmicutes	Bacilli	<i>Streptococcus pneumoniae</i>	61	-	n.d.
Firmicutes	Bacilli	<i>Listeria monocytogenes</i>	61	n.d.	n.d.
Firmicutes	Bacilli	<i>Streptococcus agalactiae</i>	57	n.d.	-
Firmicutes	Bacilli	<i>Enterococcus faecium</i>	57	n.d.	+
Firmicutes	Clostridia	<i>Anaerotruncus colihominis</i>	55	n.d.	n.d.
Firmicutes	Clostridia	<i>Faecalibacterium prausnitzii</i>	54	-	+
Firmicutes	Clostridia	<i>Clostridium carboxidivorans</i>	49	-	+
Firmicutes	Bacilli	<i>Staphylococcus epidermidis</i>	44	+	+
Bacteroidetes	Bacteroidia	<i>Bacteroides capillosus</i>	73	+	+
Bacteroidetes	Bacteroidia	<i>Bacteroides thetaiotaomicron</i>	46	+	+
Bacteroidetes	Bacteroidia	<i>Parabacteroides distasonis</i>	46	-	+
Tenericutes	Mollicutes	<i>Acholeplasma laidlawii</i>	247	-	-
Proteobacteria	Gamma proteobacteria	<i>Escherichia coli</i>	23	-	+

Actinobacteria	Actinobacteria (class)	<i>Slackia heliotrinireducens</i>	70	-	+
Actinobacteria	Actinobacteria (class)	<i>Bifidobacterium longum</i>	46	-	-
Unclassified (derived from Bacteria)	Unclassified (derived from Bacteria)	<i>Candidatus Cloacamonas acidaminovorans</i>	889	-	+