

Archaea Bacillus Bacillus subtilis **Bacteroides** Bacteroides fragilis Bacteroides thetaiotaomicron Bacteroidia Bifidobacterium Bifidobacterium breve Brucella Campylobacter jejuni Clostridia Clostridiales Clostridium Clostridium perfringens Cyanobacteria Enterobacteriaceae Enterobacteriales Enterococcus Enterococcus faecium Escherichia coli Escherichia faecalis **Firmicutes** Helicobacter pylori Klebsiella Lactobacillus Lactobacillus acidophilus Lactobacillus fermentum Lactobacillus plantarum Lactobacillus reuteri Lactococcus lactis Listeria monocytogenes Peptoclostridium difficile Porphyromonas gingivalis Prevotella Propionibacterium acnes Proteobacteria Pseudomonas Pseudomonas aeruginosa Roseovarius albus Salmonella Staphylococcus aureus Streptococcus Streptomyces aureus unidentified plasmid Vibrio cholerae Wolbachia

peroxidase propionic pyridoxine riboflavin biotin glycine guar gum Mannitol pectin sorbitol tannic Agar ethanol gold lactic lipase mannitol nisin Nisin nitrogen trypsin arabinose carbon dioxide cellulase cellulose chitosan dextran folic hydrogen methanol N-acetylglucosamine