**https://www.ebi.ac.uk/Tools/msa/kalign/**

**Common bacteria from yogurts - 16S rRNA partial sequences**

>Lactobacillus-bulgaricus

1 gcagtcgagc gagctgaatt caaagatccc ttcggggtga tttgttggac gctagcggcg

 61 gatgggtgag taacacgtgg gcaatctgcc ctaaagactg ggataccact tggaaacagg

 121 tgctaatacc ggataacaac atgaatcgca tgattcaagt ttgaaaggcg gcgtaagctg

 181 tcactttagg atgagcccgc ggcgcattag ctagttggtg gggtaaaggc ctaccaaggc

 241 aatgatgcgt agccgagttg agagactgat cggccacatt gggactgaga cacggcccaa

 301 actcctacgg gaggcagcag tagggaatct tccacaatgg acgcaagtct gatggagcaa

 361 cgccgcgtga gtgaagaagg ttttcggatc gtaaagctct gttgttggtg aagaaggata

 421 gaggcagtaa ctggtcttta tttgacggta atcaaccaga aagtcacggc taactacgtg

 481 ccagcagccg cggtaatacg taggtggcaa gcgttgtccg gatttattgg gcgtaaagcg

 541 agcgcaggcg gaatgataag tctgatgtga aagcccacgg ctcaaccgtg gaactgcatc

 601 ggaaactgtc attcttgagt gcagaagagg agagtggaat tccatgtgta gcggtggaat

>Streptococcus-thermophilus

1 tgcaagtaga acgctgaaga gaggagcttg ctcttcttgg atgagttgcg aacgggtgag

 61 taacgcgtag gtaacctgcc ttgtagcggg ggataactat tggaaacgat agctaatacc

 121 gcataacaat ggatgacaca tgtcatttat ttgaaagggg caattgctcc actacaagat

 181 ggacctgcgt tgtattagct agtaggtgag gtaatggctc acctaggcga cgatacatag

 241 ccgacctgag agggtgatcg gccacactgg gactgagaca cggcccagac tcctacggga

 301 ggcagcagta gggaatcttc ggcaatgggg gcaaccctga ccgagcaacg ccgcgtgagt

 361 gaagaaggtt ttcggatcgt aaagctctgt tgtaagtcaa gaacgggtgt gagagtggaa

 421 agttcacact gtgacggtag cttaccagaa agggacggct aactacgtgc cagcagccgc

 481 ggtaatacgt aggtcccgag cgttgtccgg atttattggg cgtaaagcga gcgcaggcgg

 541 tttgataagt ctgaagttaa aggctgtggc tcaaccatag ttcgctttgg aaactgtcaa

 601 acttgagtgc agaaggggag agtggaattc catgtgtagc ggtgaaatgc gtagatatat

>Streptococcus-salivarius

1 agagtttgat cctggctcag gacgaacgct ggcggcgtgc ctaatacatg caagtagaac

 61 gctgaagaga ggagcttgct cttcttggat gagttgcgaa cgggtgagta acgcgtaggt

 121 aacctgcctt gtagcggggg ataactattg gaaacgatag ctaataccgc ataacaatgg

 181 gtgactcatg tcatttattt gaaaggggca aatgctccac tacaagatgg acctgcgttg

 241 tattagctag taggtgaggt aacggctcac ctaggcgacg atacatagcc gacctgagag

 301 ggtgatcggc cacactggga ctgagacacg gcccagactc ctacgggagg cagcagtagg

 361 gaatcttcgg caatgggggc aaccctgacc gagcaacgcc gcgtgagtga agaaggtttt

 421 cggatcgtaa agctctgttg taagtcaaga acgagtgtga gagtggaaag ttcacactgt

 481 gacggtagct taccagaaag ggacggctaa ctacgtgcca gcagccgcgg taatacgtag

 541 gtcccgagcg ttgtccggat ttattgggcg taaagcgagc gcaggcggtt tgataagtct

 601 gaagttaaag gctgtggctc aaccatagtt cgctttggaa actgtcaaac ttgagtgcag

>Lactobacillus-acidophilus

1 agagtttgat nntggctcag gacgaacgct ggcggcgtgc ctaatacatg caagtcgagc

 61 gagcttgcct agatgatttt agtgcttgca ctaaatgaaa ctagatacaa gcgagcggcg

 121 gacgggtgag taacacgtgg gtaacctgcc caagagactg ggataacacc tggaaacaga

 181 tgctaatacc ggataacaac actagacgca tgtctagagt ttgaaagatg gttctgctat

 241 cactcttgga tggacctgcg gtgcattagc tagttggtaa ggtaacggct taccaaggca

 301 atgatgcata gccgagttga gagactgatc ggccacattg ggactgagac acggcccaaa

 361 ctcctacggg aggcagcagt agggaatctt ccacaatgga cgaaagtctg atggagcaac

 421 gccgcgtgag tgaagaaggg tttcggctcg taaagctctg ttggtagtga agaaagatag

 481 aggtagtaac tggcctttat ttgacggtaa ttacttagaa agtcacggct aactacgtgc

 541 cagcagccgc ggtaatacgt aggtggcaag cgttgtccgg atttattggg cgtaaagcga

 601 gtgcaggcgg ttcaataagt ctgatgtgaa acgcttcggc tcaaccggag aattgcatca

>Lactobacillus-casei

 1 gatsaacgst sgcggcgtgc ctaatacatg caagtcgaac gagttctcgt tgatgatcgg

 61 tgcttgcacc gagattcaac atggaacgwg tgncggacgg gtgagtaaca cgtgggtaac

 121 ctgcccttaa gtgggggata acatttggaa acagatgcta ataccgcata gatccaagaa

 181 ccgcatggtt cttggctgaa agatggcgta agctatcgct tttggatgga cccgcggcgt

 241 attagctagt tggtgaggta atggctcacc aaggcgatga tacgtagccg aactgagagg

 301 ttgatcggcc acattgggac tgagacacgg cccaaactct acgggaggca gcagtaggga

 361 atcttccaca atggacgcaa gtctgatgga gcaacgccgc gtgagtgaag aaggctttcg

 421 ggtcgtaaaa ctctgttgtt ggagaagaat ggtcggcaga gtaactgttg tcggcgtgac

 481 ggtatccaac cagaaagcca cggctaacta cgtgccagca gccgcggtaa tacgtaggtg

 541 gcaagcgtta tccggattta ttgggcgtaa agcgagcgca ggcggttttt taagtctgat

 601 gtgaaagccc tcggcttaac cgaggaagcg catcggaaac tgggaaactt gagtgcagaa

>Bifidobacterium-adolescentis

1 agagttgatc cggctcagga tgaacgcggc ggcgtgctta acacatgcaa gtcgaacggg

 61 atcccaggag cttgctcctg ggtgagagtg gcgaacgggt gagtaatgcg tgaccgacct

 121 gccccataca ccggaatagc tcctggaaac gggtggtaat gccggatgct ccacctgacc

 181 gcatggtcct ttgggaaaga ttcatcggta tgggatgggg tcgcgtccta tcagcttgat

 241 ggcggggtaa cggcccacca tggcttcgac gggtagccgg cctgagaggg cgaccggcca

 301 cattgggact gagatacggc ccagactcct acgggaggca gcagtgggga atattgcaca

 361 atgggcgcaa gcctgatgca gcgacgccgc gtgcgggatg acggccttcg ggttgtaaac

 421 cgcttttgac tgggagcaag cccttcgggg tgagtgtacc tttcgaataa gcaccggcta

 481 actacgtgcc agcagccgcg gtaatacgta gggtgcaagc gttatccgga attattgggc

 541 gtaaagggct cgtaggcggt tcgtcgcgtc cggtgtgaaa gtccatcgct taacggtgga

 601 tccgcgccgg gtacgggcgg gcttgagtgc ggtaggggag actggaattc ccggtgtaac

>Bifidobacterium-bifidum

 1 aacgggatcc atcaagcttg cttggtggtg agagtggcga acgggtgagt aatgcgtgac

 61 cgacctgccc catgctccgg aatagctcct ggaaacgggt ggtaatgccg gatgttccac

 121 atgatcgcat gtgattgtgg gaaagatttc atcggcgtgg gatggggtcg cgtcctatca

 181 gcttgttggt gaggtaacgg ctcaccaagg cttcgacggg tagccggcct gagagggcga

 241 ccggccacat tgggactgag atacggccca gactcctacg ggaggcagca gtggggaata

 301 ttgcacaatg ggcgcaagcc tgatgcagcg acgccgcgtg agggatggag gccttcgggt

 361 tgtaaacctc ttttgtttgg gagcaagcct tcgggtgagt gtacctttcg aataagcgcc

 421 ggctaactac gtgccagcag ccgcggtaat acgtagggcg caagcgttat ccggatttat

 481 tgggcgtaaa gggctcgtag gcggctcgtc gcgtccggtg tgaaagtcca tcgcttaacg

 541 gtggatctgc gccgggtacg ggcgggctgg agtgcggtag gggagactgg aattcccggt

 601 gtaacggtgg aatgtgtaga tatcgggaag aacaccgatg gcgaaggcag gtctctgggc