Supplementary Material

**Supplementary Table 1.** Statistical table of Y20 whole genome assembly results.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample name**  | **Number of scaffolds** | **Genome size (bp)**  | **Number of ambiguous bases (N)** |  **GC content (%)** |
| Y20 | 1 | 1,735,042 | 0 | 33.01% |

**Supplementary Table 2.** 16S small regulatory RNA (sRNA) gene sequence of *Lactobacillus salivarius* Y20.

|  |  |
| --- | --- |
| **Strain** | **Gene sequence** |
| *Lactobacillus salivarius* Y20 | GTTACCCCACCGGCTTTGGGTGTTACAAACTCTCATGGTGTGACGGGCGGTGTGTACAAGGCCCGGGAACGTATTCACCGCGACATGCTGATTCGCGATTACTAGCGATTCCGACTTCATGTAGGCGAGTTGCAGCCTACAATCCGAACTGAGAACGGCTTTAAGAGATTAGCTAAACCTCGCGGTCTCGCGACTCGTTGTACCGTCCATTGTAGCACGTGTGTAGCCCAGGTCATAAGGGGCATGATGACTTGACGTCGTCCCCACCTTCCTCCGGTTTGTCACCGGCAGTCTCGCCAGAGTGCCCAACTTAATGCTGGCAACTGACAACAAGGGTTGCGCTCGTTGCGGGACTTAACCCAACATCTCACGACACGAGCTGACGACAGCCATGCACCACCTGTCACTTTGTCCCCGAAGGGAAAGCCTAATCTCTTAGGTGGTCAAAGGATGTCAAGACCTGGTAAGGTTCTTCGCGTTGCTTCGAATTAAACCACATGCTCCACCGCTTGTGCGGGCCCCCGTCAATTCCTTTGAGTTTCAACCTTGCGGTCGTACTCCCCAGGCGGAATGCTTATTGCGTTAGCTGCGGCACTGAAGGGCGGAAACCCTCCAACACCTAGCATTCATCGTTTACGGCGTGGACTACCAGGGTATCTAATCCTGTTTGCTACCCACGCTTTCGAACCTCAGCGTCAGTTACAGACCAGAGAGCCGCTTTCGCCACTGGTGTTCTTCCATATATCTACGCATTTCACCGCTACACATGGAGTTCCACTCTCCTCTTCTGCACTCAAGTCTTCCAGTTTCCAATGCACTACTCCGGTTAAGCCGAAGGCTTTCACATCAGACTTAAAAGACCGCCTGCGTTCCCTTTACGCCCAATAAATCCGGACAACGCTTGCCACCTACGTATTACCGCGGCTGCTGGCACGTAGTTAGCCGTGACTTGCTGGTTAGATACCGTCATCGAATGAACAGTTACTCTCACTCGTGTTCTTCTCTAACAACAGAGTTTTACGATCCGAAGACCTTCTTCACTCACGCGGCGTTGCTCCATCAGACTTGCGTCCATTGTGGAAGATTCCCTACTGCTGCCTCCCGTAGGAGTTTGGGCCGTGTCTCAGTCCCAATGTGGCCGATCAACCTCTCAGTTCGGCTACGTATCATCACCTTGGTAGGCCGTTACCCCACCAACTAGTTAATACGCCGCGGGTCCATCTAAAAGCGATAGCAGAACCATCTTTCATCTAAGGATCATGCGATCCTTAGAGATATACGGTATTAGCACCTGTTTCCAAGTGTTATCCCCTTCTTTTAGGCAGGTTACCCACGTGTTACTCACCCGTCCGCCACTCAACTTCTTACGGTGAATGCAAGCATTCGGTGTAAGAAAGTTTCGTTCGAC |



**Supplementary Figure 1.** The GEN III identification results of Y20. (A) Identification result chart of Y20 using the Biolog microplate. (B) Name of the substrate represented by each well of the microplate.



**Supplementary Figure 2.** GC-Depth distribution map.