

Table S3. The pairwise comparison of average nucleotide identity (ANI) values for the genomes of *Leuconostoc suionicum* VITA-PB2 and related strains.

Genome	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1. <i>L. suionicum</i> VITA-PB2	100															
2. <i>L. suionicum</i> DSM 20241	98.9	100														
3. <i>L. suionicum</i> LT-38	98.8	100	100													
4. <i>L. sp.</i> MTCC 10508	99.0	99.5	99.5	100												
5. <i>L. suionicum</i> UCMA20148	98.9	99.5	99.5	99.5	100											
6. <i>L. mesenteroides</i> DSM 20346	94.0	93.9	94.0	93.9	93.9	100										
7. <i>L. cremoris</i> ATCC 19254	94.0	94.0	94.0	94.0	94.0	100	100									
8. <i>L. dextranicum</i> DSM 20484	94.2	94.2	94.2	94.2	94.1	99.0	99.0	100								
9. <i>L. mesenteroides</i> ATCC 8293	93.8	93.9	93.9	93.7	93.9	98.7	98.7	98.9	100							
10. <i>L. mesenteroides</i> ATCC 8293D-5	93.8	93.9	93.9	93.7	93.9	98.7	98.7	98.9	100	100						
11. <i>L. dextranicum</i> NBRC 3349	93.9	93.9	94.0	93.8	93.8	98.6	98.6	98.9	99.1	99.1	100					
12. <i>L. aenigmaticum</i> DSM 19374	74.6	74.8	74.7	74.5	74.6	74.5	74.7	74.5	74.7	74.7	74.7	100				
13. <i>L. carnosum</i> DSM 5576	75.1	75.3	74.9	74.9	75.2	75.0	75.0	75.1	75.3	75.5	75.2	76.8	100			
14. <i>L. fallax</i> ATCC 700006	74.2	73.6	73.7	73.8	73.8	73.7	73.8	73.8	73.7	73.8	73.7	73.5	74.2	100		
15. <i>L. falckenbergense</i> DSM 5624	76.5	76.9	76.8	76.0	76.1	76.7	76.7	76.9	76.7	76.8	77.1	75.0	75.3	74.0	100	
16. <i>L. pseudomesenteroides</i> DSM 20193	76.2	76.0	76.1	75.8	75.9	76.1	76.1	76.1	76.1	76.2	76.0	74.6	74.9	73.7	92.3	100

*Note: The table shows the Average Nucleotide Identity (ANI) percentages among the genomes of *Leuconostoc suionicum* VITA-PB2 and related strains. Each rows and columns represent individual genomes. Values exceeding 95% are shown in bold. *Leuconostoc suionicum* VITA-PB2 highlighted in red.