The guide to genotyping of the probiotics at strain level by whole genome sequencing

2020-11-04 2020-12-05

1

2

3

3.1 probiotics

3. 2

strain

T/SZAS 22—2020

3.3

genome

3.4

sequence alignment

4

5

6

6. 1

6. 2

7

7.1

7. 1. 1

7. 1. 2

7. 1. 3

7.2

7. 2. 1

7. 2. 2

7. 2. 3

7.3

7. 3. 1

7. 3. 2

7. 3. 3

7.3.4

7.4

7.4.1

7.4.2

7.4.3

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- 7.4.4
- 7.4.5
- 7.4.6
- 7.5
- 7. 5. 1
- 7. 5. 2
- 7.5.3
- 7. 5. 4
- 7. 5. 5
- 7.6
- 7. 6. 1
- 7. 6. 2
- 8
- 8. 1
- 8. 1. 1
- 8.1.2
- 8.1.3
- 8. 1. 4
- 8. 2

SNP

- 8. 2. 1
- 8. 2. 2

8.3

- 8.3.1
- 8. 3. 2
- 9
- 9. 1
- 9. 2
- 9. 3
- 9.4
- 10
- 10.1
- 10.2
- 10.3
- 11

A

A. 1

A. 2 GATK

A. 3

В

B. 1

B. 2

B. 3