|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Spacer** | **Sequence** | **Length** | **ID number** | **Organism/bacteriophage/plasmid** | **Hit sequence** | **Host** |
| 4 | TGAAATAATTGTTGACAC**G**TG**A**GAACACAG | 30 | gi|77696193|gb|AY131267.2| | Bacteriophage Lc-Nu | TGAAATAATTGTTGACAC**A**TG**G**GAACAC | *Lactobacillus rhamnosus Lc 1/3* |
| 4 | TGAAATAAT**T**GTTGACAC**G**TG**A**GAACACAG | 30 | gi|166200914|gb|EU246945.1| | Bacteriophage Lrm1 | TGAAATAAT**C**GTTGACAC**A**TG**G**GAACAC | *Lactobacillus rhamnosus M1* |
| 4 | TGAAATAAT**T**GTTGACACGTGAGAACACAG | 30 | gi|22217797|emb|AJ251789.2| | Bacteriophage A2 | TGAAATAAT**C**GTTGACACATGGGAACAC | *Lactobacillus casei ATCC 393* |
| 6 | TTAG**T**GGCA**G**AGAGGTAATGA**T**GATCACAC | 30 | gi|77696193|gb|AY131267.2| | Bacteriophage Lc-Nu | TTAG**C**GGCA**A**AGAGGTAATGA**G**GATCACAC | *Lactobacillus rhamnosus Lc 1/3* |
| 9 | GTCTAG**C**CC**G**AGAAGTTCCGCGGCTTTTTT | 30 | gi|22217797|emb|AJ251789.2| | Bacteriophage A2 | GTCTAG**T**CC**A**AGAAGTTCCGCGGCTTTT | *Lactobacillus casei ATCC 393* |
| 12 | CGCAGTCTTGCAAGCCGTAATGCTCGATCT | 30 | gi|89953823|gb|DQ411856.1| | Bacteriophage Lca1 | CGCAGTCTTGCAAGCCGTAATGCTCGAT | *Lactobacillus casei Lca1 - prophage* |
| 12 | CGCAGTCTTGCAA**G**CCGTAATGCTCGATCT | 30 | gi|47607149|gb|AY605066.1| | Bacteriophage φ AT3, | CGCAGTCTTGCAA**T**CCGTAATGCTCGATCT | *Lactobacillus casei* |
| 12 | CGCAGTCTTGCAAGCCGTAATGCTCGATCT | 30 | gi|22217797|emb|AJ251789.2| | Bacteriophage A2 | CGCAGTCTTGCAAGCCGTAATGCTCGAT | *Lactobacillus casei ATCC 393* |
| 18 | TAGTGATCA**T**ATTCATGCAACACAAACGGT | 30 | gi|77696193|gb|AY131267.2| | Bacteriophage Lc-Nu | TAGTGATCA**G**ATTCATGCAACACAAACGGT | *Lactobacillus rhamnosus Lc 1/3* |
| 18 | TAGTGATCA**T**ATTCATGCAACACAAACGGT | 30 | gi|47607149|gb|AY605066.1| | Bacteriophage φ AT3 | TAGTGATCA**G**ATTCATGCAACACAAACGGT | *Lactobacillus casei* |
| 21 | GGTGGCATCACAGAAGCAACCGAAACAATC | 30 | gi|166200914|gb|EU246945.1| | Bacteriophage Lrm1 | GGTGG**T**ATCACAGAAGCAACCGAAACAATC | *Lactobacillus rhamnosus M1* |
| 21 | GGTGG**C**ATCACAGAAGCAACCGAAACAATC | 30 | gi|22217797|emb|AJ251789.2| | Bacteriophage A2 | GGTGG**T**ATCACAGAAGCAACCGAAACAATC | *Lactobacillus casei ATCC 393* |
| 22 | AAGTGGTAAGGTCCCCAAAGATTCGATGAT | 30 | gi|166200914|gb|EU246945.1| | Bacteriophage Lrm1, | AAGTGGTAAGGTCCCCAAAGATTCGATGAT | *Lactobacillus rhamnosus M1* |
| 22 | AAGTGGTAAGGTCCCCAAAGA**T**TCGATGAT | 30 | gi|687918|gb|S73384.1| | Bacteriophage PL-1 | AAGTGGTAAGGTCCCCAAAGA**C**TCGATGAT | *Lactobacillus casei* |
| 22 | AAGTGGTAAGGTCCCCAAAGATTCGATGAT | 30 | gi|22217797|emb|AJ251789.2| | Bacteriophage A2 | AAGTGGTAAGGTCCCCAAAGATTCGAT | *Lactobacillus casei ATCC 393* |
| 24 | AAGCAATCCAGAAACTCGGGATCGTTTCTT | 30 | gi|22217797|emb|AJ251789.2| | Bacteriophage A2 | AAGCAATCCAGAAACTCGGGATCGTTTCTT | *Lactobacillus casei ATCC 393* |
| 14 | ACAGCCGTCTTGATCTTGTCAGCATCACCC | 30 | gi|15722253|emb|AJ304453.1| | Plasmid pSB102 | ACAGCCGTCTTGATCTTGTCAGCATCACCC\* | *-* |

\* Fragmented hit