|  |  |  |  |
| --- | --- | --- | --- |
| **Isolate** | **Genotype** | **Infectious source** | **Reference or ENA accession no.** |
| MR005 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449858 |
| MR007 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449859 |
| MR018 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449860 |
| MR019 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449861 |
| MR021 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449862 |
| MR022 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449863 |
| MR023 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449864 |
| MR025 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449865 |
| MR026 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449866 |
| MR027 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449867 |
| MR029 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449868 |
| MR030 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449869 |
| MR031 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449870 |
| MR035 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449871 |
| MR036 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449872 |
| MR039 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449873 |
| MR047 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449874 |
| MR051 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449875 |
| MR060 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449876 |
| MR063 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449877 |
| MR064 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449878 |
| MR065 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449879 |
| MR072 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449880 |
| MR073 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449881 |
| MR074 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449882 |
| MR077 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449883 |
| MR078 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449884 |
| MR081 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449885 |
| MR083 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449886 |
| MR084 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449887 |
| MR087 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449888 |
| MR090 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449889 |
| MR091 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449890 |
| MR096 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449891 |
| MR107 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449892 |
| MR110 | Wildtype clinical USA300 | Blood (bacteraemia) | ERR449893 |
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| ENC1 384-56 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
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| ENC1 384-62 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
| ENC1 384-79 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
| ENC1 384-81 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
| ENC1 384-86 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
| ENC1 384-89 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
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| ENC2 384-32 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
| ENC2 384-35 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
| ENC2 384-36 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
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| ENC2 384-63 | Wildtype clinical ST15 | Nose (carriage) | [2](#_ENREF_2) |
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| NE348 | JE2 Tn::*ftsK* | N/A | [3](#_ENREF_3) |
| NE1647 | JE2 Tn::*rpsA* | N/A | [3](#_ENREF_3) |
| NE1686 | JE2 Tn::SAUSA300\_0750 | N/A | [3](#_ENREF_3) |
| NE1770 | JE2 Tn::*sucD* | N/A | [3](#_ENREF_3) |
| NE699 | JE2 Tn::*clpC* | N/A | [3](#_ENREF_3) |
| NE1304 | JE2 Tn::SAUSA300\_2326 | N/A | [3](#_ENREF_3) |
| MSSA466 | Wild type clinical ST8 Tetr | Abscess (SSTI) | 4 |

1. Uhlemann, A.C. *et al.* Molecular tracing of the emergence, diversification, and transmission of S. aureus sequence type 8 in a New York community. *Proc Natl Acad Sci U S A* **111**, 6738-43 (2014).

2. Young, B.C. *et al.* Evolutionary dynamics of Staphylococcus aureus during progression from carriage to disease. *Proc Natl Acad Sci U S A* **109**, 4550-5 (2012).

3. Fey, P.D. *et al.* A genetic resource for rapid and comprehensive phenotype screening of nonessential Staphylococcus aureus genes. *MBio* **4**, e00537-12 (2013).

4. Peacock et al. Virulent combinations of adhesin and toxin genes in natural populations of Staphylococcus aureus. *Infect Immun.* 70:4987-96 (2002).

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