**Supplementary Table 1**. Study strains

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Strain ID** | **Source** | **STa** | **CCa** | **Serotypes** | **Lineage** | **Reference** | **Accession number** | **BC MIC (µg/mL)b** |
| LL195**cde** | Vacherin Montd’or cheese | ST1 | CC1 | 4b | I | Bille, 1990 | HF558398 | 3.5 |
| N11-2292 | human listeriosis | ST1 | CC1 | 4b | I | Althaus et al., 2014 | JABYYE000000000 | 3.5 |
| N12-0605 | Meat / Meat product | ST727 | CC1 | 4b | I | Ebner et al., 2015 | JABYXR000000000 | 3.5 |
| N12-1339 | Meat / Meat product | ST746 | CC1 | 4b | I | Ebner et al., 2015 | JABYXM000000000 | 3.5 |
| N12-1996 | Milk / Milk product | ST1 | CC1 | 4b | I | Ebner et al., 2015 | JABYXD000000000 | 3.5 |
| N13-0047 | Milk / Milk product | ST1 | CC1 | 4b | I | Ebner et al., 2015 | JABYWZ000000000 | 3.5 |
| N11-2747 | human listeriosis | ST1 | CC1 | 4b | I | Althaus et al., 2014 | JABYYC000000000 | 3.5 |
| N12-0341 | human listeriosis | ST1 | CC1 | 4b | I | Althaus et al., 2014 | JABYXY000000000 | 4 |
| N12-0551 | human listeriosis | ST1 | CC1 | 4b | I | Althaus et al., 2014 | JABYXU000000000 | 3.5 |
| Scott A | Human listeriosis | ST290 | CC2 | 4b | I | Fleming et al., 1985 | CM001159 | 3.5 |
| N13-1054 | human listeriosis | ST1285 | CC2 | 4b | I | Althaus et al., 2014 | QYED00000000 | 4 |
| N12-0973 | Meat / Meat product | ST2 | CC2 | 4b | I | Ebner et al., 2015 | JABYXO000000000 | 3.5 |
| N11-1846 | Meat / Meat product | ST724 | CC2 | 4b | I | Ebner et al., 2015 | JABYYG000000000 | 3.5 |
| N12-0432 | Meat / Meat product | ST2 | CC2 | 4b | I | Ebner et al., 2015 | JABYXX000000000 | 3.5 |
| N12-0466 | Meat / Meat product | ST2 | CC2 | 4b | I | Ebner *et al*., 2015 | JABYXW000000000 | 3.5 |
| N14-0435 | Milk product | ST3 | CC3 | 1/2b | I | Ebner et al., 2015 | NS | 7 |
| N2306**cde** | Ready-to-eat salads | ST4 | CC4 | 4b | I | Stephan et al., 2015 | CP011004 | 3.5 |
| N14-0487 | Plant associated | ST4 | CC4 | 4b | I | Ebner et al., 2015 | NS | 3.5 |
| N12-0320**e** | human listeriosis | ST4 | CC4 | 4b | I | Althaus et al., 2014 | JABYXZ000000000 | 4 |
| N12-0794**e** | human listeriosis | ST4 | CC4 | 4b | I | Althaus et al., 2014 | JABYXQ000000000 | 3.5 |
| N13-2107 | Meat / Meat product | ST4 | CC4 | 4b | I | Ebner et al., 2015 | QYDL00000000 | 3.5 |
| N12-1772 | Milk / Milk product | ST682 | CC4 | 4b | I | Ebner et al., 2015 | JABYXH000000000 | 3.5 |
| N11-2675 | human listeriosis | ST1063 | CC5 | 1/2b | I | Althaus et al., 2014 | QYHF00000000 | 3.5 |
| N16-0044**cde** | Meat pâté | ST6 | CC6 | 4b | I | Althaus et al., 2017 | CP035187 | 3.5 |
| N12-1387 | human listeriosis | ST6 | CC6 | 4b | I | Althaus et al., 2014 | JABYXL000000000 | 3.5 |
| N11-2801 | human listeriosis | ST6 | CC6 | 4b | I | Althaus et al., 2014 | JABYYB000000000 | 3.5 |
| N13-1184 | Meat / Meat product | ST6 | CC6 | 4b | I | Ebner et al., 2015 | NS | 3.5 |
| N11-1850 | Milk / Milk product | ST1290 | CC217 | 4b | I | Ebner *et al*., 2015 | QYIA00000000 | 3.5 |
| N12-1608 | human listeriosis | ST224 | CC224 | 1/2b | I | Althaus *et al*., 2014 | JABYZR000000000 | 3.5 |
| H34 | Human listeriosis | ST489 | CC489 | 1/2b | I | Muchaamba et al., 2018 | CP020774 | 3.5 |
| Lm10403S | Human listeriosis | ST85 | CC7 | 1/2a | II | Edman et al., 1968 | NC\_017544 | 3.5 |
| N1546**cd** | Imported cooked ham | ST8 | CC8 | 1/2a | II | Hächler et al., 2013 | CP013724 | 4 |
| N11-1617 | Meat / Meat product | ST8 | CC8 | 1/2a | II | Ebner et al., 2015 | JABZDM000000000 | 4 |
| N11-1649 | Meat / Meat product | ST743 | CC8 | 1/2a | II | Ebner et al., 2015 | JABZDL000000000 | 3.5 |
| N11-1584 | human listeriosis | ST1295 | CC8 | 1/2a | II | Althaus et al., 2014 | JABZAJ000000000 | 3.5 |
| N11-1346 | Human listeriosis | ST673 | CC8 | 1/2a | II | Althaus *et al*., 2014 | JABZDQ000000000 | 3.5 |
| EGDe**d** | Rabbits | ST35 | CC9 | 1/2a | II | Glaser et al., 2001 | NC\_003210.1 | 3.5 |
| D:824/5 | Meat product | ST9 | CC9 | 3c | II | Ebner et al., 2015 | NS | 4 |
| N11-1514 | Meat / Meat product | ST9 | CC9 | 1/2c | II | Ebner et al., 2015 | JABYZD000000000 | 3.5 |
| N12-1921 | Plant associated | ST9 | CC9 | 1/2c | II | Ebner et al., 2015 | JABYYW000000000 | 3.5 |
| D: 650/8 | Meat / Meat product | ST9 | CC9 | 3c | II | Ebner et al., 2015 | NS | 3.5 |
| N12-0152 | Milk / Milk product | ST9 | CC9 | 1/2a | II | Ebner et al., 2015 | NS | 3.5 |
| N11-1837 | human listeriosis | ST9 | CC9 | 1/2a | II | Althaus et al., 2014 | JABZBE000000000 | 3.5 |
| N12-0486 | human listeriosis | ST9 | CC9 | 1/2c | II | Althaus et al., 2014 | JABYZC000000000 | 3.5 |
| N13-0001 | human listeriosis | ST9 | CC9 | 1/2c | II | Althaus et al., 2014 | JABYYS000000000 | 3.5 |
| N12-1864 | Milk / Milk product | ST9 | CC9 | 1/2a | II | Ebner et al., 2015 | NS | 3.5 |
| Lm3136**c** | Tomme cheese | ST18 | CC18 | 1/2a | II | Bille et al., 2006 | CP013723 | 4 |
| N11-2183 | Plant associated | ST20 | CC20 | 1/2a | II | Ebner et al., 2015 | JABZDF000000000 | 3.5 |
| Lm3163**c** | Tomme cheese | ST26 | CC26 | 1/2a | II | Bille et al., 2006 | CP013722 | 3.5 |
| N11-1515 | Milk product | ST29 | CC29 | 1/2a | II | Ebner et al., 2015 | JABZDO000000000 | 4 |
| N05-195**f** | Meat / Meat product | ST31 | CC31 | 1/2a | II | Ebner et al., 2015 | QYIT00000000 | 4 |
| N11-1905 | Meat / Meat product | ST121 | CC121 | 1/2a | II | Ebner *et al*., 2015 | JABZDG000000000 | >4 |
| N12-1024 | Meat / Meat product | ST121 | CC121 | 1/2a | II | Ebner *et al*., 2015 | JABZCE000000000 | 3.5 |
| N13-0119 | human listeriosis | ST121 | CC121 | 1/2a | II | Althaus *et al*., 2014 | JABZAK000000000 | >4 |
| N12-0367 | human listeriosis | ST121 | CC121 | 1/2a | II | Althaus *et al*., 2014 | JABZAE000000000 | >4 |
| N842\_15 | Human prosthetic joint | ST412 | CC412 | 1/2a | II | Muchaamba et al., 2020 | CP046361 | 3 |
| N843\_10 | Human prosthetic joint | ST412 | CC412 | 1/2a | II | Muchaamba et al., 2020 | CP046362 | 3.5 |
| N12-1273 | Human listeriosis | ST412 | CC412 | 1/2a | II | Althaus *et al*., 2014 | QYFZ00000000 | 3.5 |
| WSLC1019 | Animal isolate | ST130 | CC69 | 4c | III | ATCC 19116 | CP013286 | 3.5 |
| LMNC318**d** | Ruminant listeriosis | ST70 | CC70 | 4a/4c | III | Dreyer et al., 2016 | ERS1324346 | 4 |
| LMNC326**d** | Ruminant listeriosis | ST70 | CC70 | 4a/4c | III | Dreyer et al., 2016 | ERS1324347 | 4 |
| WLSC1020 | Animal isolate | ST71 | CC131 | 4a | III | ATCC 19114 | NZ\_CP013287 | 3.5 |
| F2365 | Genome control | ST1 | CC1 | 4b | I | Nelson et al., 2004 | NC\_002973 |  |
| JF5051 | *L. innocua* control |  |  |  |  | Guldimann et al., 2015 | NS |  |

**a**ST: sequence type; CC: clonal complex.  **b** Strains with MIC ≥ 4 µg/mL are classified as BC stress resistant. **c**Listeriosis outbreak strains. **d**Strains used for tracking bacteria growth within zebrafish embryos. **e**Strains used in the dual osmotic plus cold stress experiments. **NS**: not sequenced. **f**Also known as N14-195.

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