**S1 Table. Heat and oxidative stress survival at additional time point.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **heat stress survival (%)** | **oxidative stress survival (%)** |
| **fermentation number** | **salt (mM)** | **starting pH** | **temperature (°C)** | **level of oxygen** | **IL1403 30 min** | **KF147 30 min** | **SK11 30 min** | **IL1403 60 min** | **KF147 60 min** | **SK11 60 min** |
| 1 | 0 | 6.0 | 27 | + | 62 | 0.0018 | 0.0001 | 0.0045 | 0.00028 | 0.0011 |
| 2 | 100 | 6.5 | 27 | + | 43 | 0.0016 | 0.0002 | 0.00051 | 0.0043 | 0.0021 |
| 3 | 0 | 6.5 | 27 | - | 0.048 | 0.00011 | 0.0001 | 0.00004 | 0.00013 | 0.0049 |
| 4 | 100 | 6.0 | 27 | - | 58 | 0.00017 | 0.0001 | 0.0013 | 0.0045 | 0.0008 |
| 5 | 0 | 6.0 | 30 | - | 0.36 | 0.00013 | 0.0001 | 0.00004 | 0.00015 | 0.0029 |
| 6 | 100 | 6.5 | 30 | - | 4.1 | 0.00010 | 0.0001 | 0.00081 | 0.00036 | 0.0011 |
| 7 | 0 | 6.5 | 30 | + | 9.7 | 0.0086 | 0.0003 | 0.00038 | 0.00011 | 0.0016 |
| 8 | 100 | 6.0 | 30 | + | 74 | 0.013 | 0.0003 | 0.093 | 0.014 | 0.0022 |
| 9 | 0 | 6.0 | 35 | + | 126 | 0.27 | 0.0098 | 0.00053 | 0.00078 | 1.9 |
| 10 | 100 | 6.5 | 35 | + | 65 | 0.42 | 0.0043 | 0.0014 | 0.00095 | 0.093 |
| 11 | 0 | 6.5 | 35 | - | 9.6 | 0.0054 | 0.0059 | 0.00053 | 0.00023 | 0.0002 |
| 12 | 100 | 6.0 | 35 | - | 46 | 0.0018 | 0.0007 | 0.00042 | 0.00008 | 0.0009 |
| 13 | 100 | 6.5 | 30 | - | 12 | 0.00013 | 0.0002 | 0.00074 | 0.00019 | 0.0002 |