| Experimental period | Trehalose concentration (mM) | Glucose concentration (mM) |
|---------------------|------------------------------|----------------------------|
|                     | Model G | Model T | Model S | Model G | Model T | Model S | Model G | Model T | Model S |
|                     | V1      | V2      | V3      | V1      | V2      | V3      | V1      | V2      | V3      |
| CD Spore reservoir  |         |         |         |         |         |         |         |         |         |
| 14                  | ND      | ND      | ND      | ND      | 5.2446  | 0.4355  | ND      | 0.0003  | ND      |
| 15                  | ND      | ND      | ND      | ND      | 8.0957  | ND      | ND      | ND      | ND      |
| 16                  | 0.0128  | ND      | 0.0004  | 4.1547  | 4.3267  | ND      | ND      | ND      | ND      |
| 17                  | 0.0073  | ND      | 0.0005  | 0.3459  | 0.0006  | ND      | ND      | ND      | 0.0004  |
| 18                  | ND      | ND      | ND      | ND      | 4.2475  | ND      | ND      | ND      | ND      |
| 19                  | ND      | ND      | ND      | ND      | 1.8968  | ND      | ND      | ND      | ND      |
| 20                  | ND      | ND      | ND      | ND      | 0.3459  | ND      | ND      | ND      | ND      |
| 21                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 22                  | ND      | ND      | ND      | ND      | 0.0502  | ND      | ND      | ND      | ND      |
| 23                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| CD Simulation       |         |         |         |         |         |         |         |         |         |
| 24                  | ND      | ND      | ND      | ND      | 3.6667  | ND      | ND      | ND      | ND      |
| 25                  | 0.0583  | ND      | 0.007   | 11.7136 | 0.8146  | ND      | 0.2221  | ND      | ND      |
| 26                  | 0.2336  | ND      | 0.007   | 13.3425 | 6.7653  | 0.9993  | 0.4172  | 0.2168  | 0.023   |
| 27                  | 0.1788  | ND      | ND      | 8.2611  | 5.8113  | 2.5191  | ND      | ND      | ND      |
| 28                  | 0.0091  | ND      | 0.0127  | 2.0596  | ND      | ND      | ND      | ND      | ND      |
| 29                  | 0.0048  | ND      | ND      | 2.8235  | ND      | ND      | ND      | ND      | ND      |
| 30                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 31                  | ND      | ND      | ND      | ND      | 2.054   | ND      | ND      | ND      | ND      |
| Simulated CDI       |         |         |         |         |         |         |         |         |         |
| 32                  | ND      | ND      | ND      | ND      | 0.2552  | ND      | ND      | ND      | ND      |
| 33                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 34                  | ND      | ND      | ND      | ND      | 1.1969  | ND      | ND      | ND      | ND      |
| 35                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 36                  | ND      | ND      | ND      | ND      | 0.0112  | ND      | ND      | ND      | ND      |
| 37                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 38                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 39                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 40                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 41                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 42                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 43                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 44                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 45                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 46                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 47                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 48                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 49                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |
| 50                  | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      | ND      |