

Table S1. Growth of isolates in artificial must in microplates at high concentrations of sugar

| Isolate | Species | Density of the culture after 119 h 27 min. | | | | | |
|---------|--|--|---------|-----------|----------|-----------|----------|
| | | 20% sugar | | 50% sugar | | 60% sugar | |
| | | OD | St. dev | OD | St. dev. | OD | St. dev. |
| 20-20 | <i>C. apicola</i> | 1.236 | 0.041 | 1.341 | 0.149 | 1.266 | 0.050 |
| G10-1 | <i>C. zemplanina</i> | 1.622 | 0.090 | 0.360 | 0.011 | 0.108 | 0.001 |
| 11-25 | <i>C. zemplanina</i> | 1.596 | 0.029 | 0.350 | 0.014 | 0.113 | 0.001 |
| 12-63 | <i>C. zemplanina</i> | 1.690 | 0.036 | 0.473 | 0.009 | 0.106 | 0.002 |
| 14-4 | <i>C. zemplanina</i> | 1.668 | 0.048 | 0.491 | 0.059 | 0.117 | 0.006 |
| 20-18 | <i>C. zemplanina</i> | 1.640 | 0.038 | 0.443 | 0.052 | 0.114 | 0.001 |
| G8-1 | <i>C. lactis-condensi</i> | 1.283 | 0.100 | 0.842 | 0.065 | 0.504 | 0.043 |
| 9-1 | <i>C. lactis-condensi</i> | 1.396 | 0.098 | 1.210 | 0.009 | 0.895 | 0.106 |
| G9-4 | <i>C. lactis-condensi</i> | 1.254 | 0.031 | 1.044 | 0.054 | 1.175 | 0.071 |
| 11-33 | <i>C. lactis-condensi</i> | 1.028 | 0.146 | 0.505 | 0.072 | 0.448 | 0.080 |
| 19-1 | <i>C. lactis-condensi</i> | 1.231 | 0.007 | 0.911 | 0.054 | 0.795 | 0.085 |
| 15-1 | <i>H. osmophila</i> | 1.393 | 0.048 | 1.093 | 0.158 | 0.910 | 0.025 |
| 2-25 | <i>K. fluxuum</i> | 0.974 | 0.143 | 0.554 | 0.049 | 0.169 | 0.003 |
| 15-11 | <i>L. thermotholerans</i> | 1.572 | 0.095 | 1.142 | 0.013 | 0.956 | 0.025 |
| 16-33 | <i>L. therotholerans</i> | 1.484 | 0.020 | 1.318 | 0.025 | 0.893 | 0.041 |
| G20-16 | <i>L. thermotholerans</i> | 1.584 | 0.032 | 1.428 | 0.075 | 0.647 | 0.001 |
| 16-39 | <i>M. pulcherrima</i> clade <i>sp.</i> | 1.833 | 0.043 | 0.956 | 0.103 | 0.845 | 0.197 |
| 20-1 | <i>M. pulcherrima</i> clade <i>sp.</i> | 1.869 | 0.046 | 1.098 | 0.012 | 0.861 | 0.003 |
| G20-6 | <i>M. pulcherrima</i> clade <i>sp.</i> | 1.528 | 0.018 | 1.253 | 0.210 | 0.800 | 0.023 |
| 2-40 | <i>P. membranifaciens</i> | 1.602 | 0.005 | 0.304 | 0.136 | 0.216 | 0.005 |
| 2-65 | <i>P. membranifaciens</i> | 1.278 | 0.024 | 0.236 | 0.004 | 0.151 | 0.001 |
| 16-30 | <i>Z. bailii</i> | 1.999 | 0.005 | 1.449 | 0.170 | 0.903 | 0.005 |
| 15-6 | <i>Z. bisporus</i> | 2.142 | 0.134 | 1.315 | 0.047 | 1.211 | 0.009 |
| 5-2 | <i>Z. lentus</i> | 1.775 | 0.031 | 1.078 | 0.119 | 1.121 | 0.125 |
| 5-43 | <i>Z. lentus</i> | 1.861 | 0.023 | 1.012 | 0.001 | 0.957 | 0.023 |
| 5-8 | <i>Z. lentus</i> | 2.014 | 0.038 | 1.070 | 0.084 | 0.814 | 0.015 |
| G5-1 | <i>Z. lentus</i> | 2.015 | 0.058 | 0.991 | 0.014 | 0.883 | 0.055 |
| 10-4 | <i>Z. pseudobailii</i> | 2.041 | 0.206 | 1.469 | 0.179 | 1.313 | 0.044 |
| 2-1 | <i>Z. rouxii</i> | 1.816 | 0.034 | 1.154 | 0.086 | 1.115 | 0.051 |
| 2-3 | <i>Z. rouxii</i> | 1.808 | 0.028 | 1.138 | 0.035 | 1.073 | 0.011 |
| G9-1 | <i>Z. rouxii</i> | 1.883 | 0.014 | 1.205 | 0.062 | 1.101 | 0.018 |
| 11-10 | <i>Z. rouxii</i> | 1.920 | 0.018 | 1.021 | 0.106 | 0.717 | 0.013 |
| 12-1 | <i>Z. rouxii</i> | 1.711 | 0.038 | 1.049 | 0.006 | 0.941 | 0.018 |
| 12-8 | <i>Z. rouxii</i> | 1.885 | 0.036 | 1.161 | 0.020 | 1.014 | 0.041 |
| G12-1 | <i>Z. rouxii</i> | 1.832 | 0.029 | 0.965 | 0.111 | 0.763 | 0.105 |
| 14-21C | <i>Z. rouxii</i> | 1.917 | 0.007 | 1.117 | 0.106 | 1.109 | 0.057 |
| 15-2 | <i>Z. rouxii</i> | 1.965 | 0.097 | 1.052 | 0.085 | 1.013 | 0.040 |
| G16-1 | <i>Z. rouxii</i> | 1.864 | 0.106 | 1.08 | 0.062 | 1.061 | 0.039 |
| 17-14 | <i>Z. rouxii</i> | 1.929 | 0.012 | 0.985 | 0.051 | 1.005 | 0.011 |
| 19-6 | <i>Z. rouxii</i> | 1.967 | 0.021 | 1.268 | 0.033 | 1.058 | 0.006 |
| 20-2 | <i>Z. rouxii</i> | 1.939 | 0.041 | 1.100 | 0.185 | 0.915 | 0.038 |
| G21-21 | <i>Z. rouxii</i> | 1.910 | 0.028 | 0.905 | 0.063 | 1.007 | 0.052 |
| G22-1 | <i>Z. rouxii</i> | 1.859 | 0.043 | 0.980 | 0.052 | 0.891 | 0.033 |
| 24-2 | <i>Z. rouxii</i> | 1.925 | 0.005 | 0.922 | 0.068 | 0.965 | 0.002 |
| 27-1 | <i>Z. rouxii</i> | 1.915 | 0.025 | 0.957 | 0.059 | 0.863 | 0.023 |
| 28-58 | <i>Z. rouxii</i> | 1.744 | 0.033 | 1.105 | 0.050 | 0.768 | 0.032 |
| G28-1 | <i>Z. rouxii</i> | 1.985 | 0.003 | 1.190 | 0.027 | 1.084 | 0.009 |