|  |  |  |
| --- | --- | --- |
|  | Growth rate (min-1) | *WHI5tot* intensity (a.u.) |
| Nutrient condition | N | Mean | Std. | CV  | N | Mean | Std. | CV |
| 2% Glucose + AA | 34 | 0.0072  | 0.0023  | 0.32  | 183 | 123.95  | 46.06  | 0.37  |
| 2% Sucrose + AA | 30 | 0.0065  | 0.0026  | 0.39  | 220 | 114.23  | 43.39  | 0.38  |
| 2% Fructose + AA | 27 | 0.0063  | 0.0022  | 0.35  | 200 | 123.15  | 53.26  | 0.43  |
| 2% Raffinose + AA | 51 | 0.0055  | 0.0019  | 0.34  | 214 | 120.58  | 41.67  | 0.35  |
| 2% Galactose + AA | 39 | 0.0045  | 0.0023  | 0.52  | 194 | 182.11  | 70.91  | 0.39  |
| 2% Maltose + AA | 63 | 0.0021  | 0.0013  | 0.62  | 216 | 282.51  | 67.29  | 0.24  |
| 2% Glycerol + AA | 70 | 0.0026  | 0.0016  | 0.62  | 231 | 261.07 | 90.56  | 0.35  |
| 2% Ethanol + AA | 60 | 0.0020  | 0.0013  | 0.62  | 208 | 330.19  | 97.29  | 0.29  |
| 2% Glucose + (NH4)2SO4 | 134 | 0.0041  | 0.0025  | 0.61  | 272 | 208.69  | 44.10  | 0.21  |
| 0.01% Glucose + AA | 74 | 0.0018  | 0.0011  | 0.63  | 200 | 274.62  | 54.59  | 0.20  |
| 0.005% Glucose + AA | 56 | 0.0017  | 0.0013  | 0.79  | 146 | 319.60  | 77.80  | 0.24  |

**Figure 4—source data 1.**

**(a)The growth rates and *Whi5tot* intensities in different nutrient conditions.**

**(b) The *Whi5tot* intensities and G1 lengths in different nutrient conditions.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  | *WHI5tot* intensity (a.u.) | G1 length (min) |
| Nutrient condition |  | N | Mean | Std. | CV | Mean | Std. | CV |
| 2% Glucose + AA | mother | 61 | 103.49  | 33.26  | 0.32  | 8.33  | 1.84  | 0.22  |
|  | daughter | 57 | 143.24  | 48.00  | 0.34  | 18.57  | 6.70  | 0.36  |
| 2% Sucrose + AA | mother | 55 | 95.47  | 29.26  | 0.31  | 8.31  | 1.69  | 0.20  |
|  | daughter | 59 | 136.77  | 48.62  | 0.36  | 17.97  | 8.11  | 0.45  |
| 2% Fructose + AA | mother | 70 | 101.01  | 37.20  | 0.37  | 8.15  | 2.23  | 0.27  |
|  | daughter | 59 | 167.06  | 58.39  | 0.35  | 18.57  | 8.36  | 0.45  |
| 2% Raffinose + AA | mother | 80 | 105.00  | 29.05  | 0.28  | 9.87  | 3.08  | 0.31  |
|  | daughter | 67 | 151.19  | 48.12  | 0.32  | 27.16  | 11.12  | 0.41  |
| 2% Galactose + AA | mother | 76 | 169.46  | 62.84  | 0.37  | 12.57  | 5.60  | 0.45  |
|  | daughter | 57 | 244.83  | 62.28  | 0.25  | 43.80  | 22.62  | 0.52  |
| 2% Maltose + AA | mother | 78 | 272.28  | 70.18  | 0.26  | 26.93  | 11.50  | 0.43  |
|  | daughter | 51 | 307.65  | 57.72  | 0.19  | 77.64  | 34.84  | 0.45  |
| 2% Glycerol + AA | mother | 85 | 252.34  | 97.00  | 0.38  | 22.48  | 19.42  | 0.86  |
|  | daughter | 46 | 301.87  | 79.45  | 0.26  | 68.63  | 41.62  | 0.61  |
| 2% Ethanol + AA | mother | 76 | 323.15  | 107.90  | 0.33  | 43.14  | 42.94  | 0.99  |
|  | daughter | 58 | 344.28  | 75.90  | 0.22  | 93.56  | 55.46  | 0.59  |
| 2% Glucose + (NH4)2SO4 | mother | 170 | 199.84  | 45.61  | 0.23  | 23.78  | 19.07 | 0.80  |
|  | daughter | 102 | 223.45  | 37.23  | 0.17  | 52.78  | 31.66  | 0.60 |
| 0.01% Glucose + AA | mother | 77 | 268.65  | 47.61  | 0.18  | 37.79  | 17.28  | 0.46  |
|  | daughter | 39 | 283.75  | 61.32  | 0.22  | 83.43  | 38.38  | 0.46  |
| 0.005% Glucose + AA | mother | 70 | 299.09  | 76.38  | 0.26  | 45.80  | 30.58  | 0.67  |
|  | daughter | 47 | 332.87  | 64.03  | 0.19  | 115.69  | 49.04  | 0.42  |