Supporting Figure S3a

| YPED | 25\% Glucose | 14\% Ethanol |
| :---: | :---: | :---: |
| Sc Sm CxM1 $1 \begin{array}{llllll} & 2 & 3 & 4 & 5\end{array}$ <br> A <br> - 0 <br> -0000000 <br> -0.0.00○○ | $\left(\begin{array}{cccccccc} S c & \operatorname{Sm} & \text { CxM1 } & 1 & 2 & 3 & 4 & 5 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$ | $\left(\begin{array}{ccccccc} \text { Sc Sm CxM1 } & 1 & 2 & 3 & 4 & 5 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$ |
| B $\begin{array}{\|ccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 6 & 7 & 8 & 9 & -10-11-12 & -13 \end{array}$ | $\left(\begin{array}{cccccccc}0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 8 & 0 & 0 \\ 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13\end{array}\right)$ | $\left(\begin{array}{\|cccccccc}0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & & 0 & 0 \\ 6 & 7 & 8 & 9 & -10 & 11 & 12 & 13\end{array}\right)$ |

Supporting Figure S3b

| YPED | 25\% Glucose | 14\% Ethanol |
| :---: | :---: | :---: |
|  |  |  |
|  | $\left(\begin{array}{cccccccc}0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 19 & 0 & 0 & 21 & 22 & 23 & 24 & 25\end{array}\right)$ |  |

Supporting Figure S3c

| YPED | 25\% Glucose | 14\% Ethanol |
| :---: | :---: | :---: |
| Sc Sm CxM1 $\begin{array}{llllll}27 & 28 & 29 & 30 & 31\end{array}$ $000 \cdot 00000$ 00000000 -0000000 00000000 | Sc Sm CxM1 $27 \quad 28 \quad 29 \quad 30 \quad 31$ -0000000 - 000000 -000000. - © - © - | $\left(\begin{array}{ccccccc} \text { Sc } & \text { Sm CxM1 } & 27 & 28 & 29 & 30 & 31 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ & 0 & & 0 & & & 0 \end{array}\right)$ |
| $\bar{F}\left(\begin{array}{cccccccc}0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 32 & 33 & 34 & 35 & 36 & 37 & 38 & 39\end{array}\right)$ | $\left\lvert\,\left(\left.\begin{array}{cccccccc}0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0\end{array} \right\rvert\,\right.\right.$ | $\left(\begin{array}{cccccccc}0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 02 & 0 & 0 & 0 & 0 & 0 & & \\ 32 & 34 & 35 & 36 & 37 & 38 & 39\end{array}\right)$ |

Supporting Figure S3d

| YPED | 25\% Glucose | 14\% Ethanol |
| :---: | :---: | :---: |
| Sc Sm CxM1 $40 \quad 41 \quad 42 \quad 43 \quad 44$ <br> G <br> (OOOOOOOO <br> 00000000 <br> 00000000 <br> 00000000 | $\left(\left(\begin{array}{ccccccc} \text { Sc } & \text { Sm CxM1 } & \text { 40 } & 41 & 42 & 43 & 44 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)\right.$ | $\left(\begin{array}{ccccccc} \text { Sc } & \text { Sm } & \text { CxM1 } & 40 & 41 & 42 & 43 \\ 0 & 0 & 44 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$ |
|  |  | 0 0 0 0 0 0 <br> 0 0 0 0 0 0 <br> 0 0 0 0 0 0 <br> 45 46 0 0 0 0 <br> 45 47 48 -49 50  |

