

## Supplemental Material

Table S1. Biomass of wt and RDM strains cultivated under aerobic and aerobic plus high temperature conditions.

	$Y_{X/S}$ [g dry weight (mol glucose) <sup>-1</sup> ]	
	Aerobic	Aerobic plus high temperature
wt	4.609 (± 0.790)	0.427 (± 0.109)
RDM-1	5.902 (± 0.600)	1.876 (± 0.274)
RDM-2	4.740 (± 0.685)	0.359 (± 0.080)
RDM-3	5.641 (± 0.486)	2.092 (± 0.188)
RDM-4	7.217 (± 1.134)	2.645 (± 0.302)
RDM-5	6.541 (± 0.732)	2.242 (± 0.189)
RDM-6	5.732 (± 0.492)	1.213 (± 0.205)
RDM-7	5.869 (± 0.486)	1.295 (± 0.159)
RDM-8	7.250 (± 1.093)	2.616 (± 0.153)
RDM-9	6.135 (± 0.793)	2.541 (± 0.187)
RDM-10	5.294 (± 0.629)	1.007 (± 0.132)
RDM-11	6.667 (± 0.450)	2.121 (± 0.130)

$Y_{X/S}$ : g dry weight per mole glucose consumed.

Data are means ± SEM.