**Table S4:** Mean growth rates (in h<sup>-1</sup>) and the standard srror of the mean growth rates on multi-C substrates S (3.5 mM succinate), P (5 mM pyruvate), E (7.5 mM ethanol) for AM1 and PA1 (both lacking the *cel* locus), as well as the mutants strains of  $\Delta cel$  PA1.

Strains	S (h <sup>-1</sup> )	P (h <sup>-1</sup> )	E (h <sup>-1</sup> )
AM1	0.202±0.001	0.141±0.001	0
PA1	0.213±0.002	0.192±0.002	0.158±0.001
Δfae	0.212±0.001	0.178±0.002	0.166±0.001
$\Delta f t f L$	0.217±0.001	0.184±0.003	0.158±0.001
$\Delta glyA$	0.194±0.002	0	0
$\Delta mptG$	0.184±0.002	0.144±0.003	0.155±0.001
$\Delta mxa$	0.213±0.002	0.185±0.001	0
$\Delta hprA$	0.203±0.001	0.192±0.001	0.160±0.001