

Table S3. Fatty acid composition (weight%) of yeast cells expressing CeFAT-1

Fatty acid	pYES2	CeFAT-1	pYES2	CeFAT-1	pYES2	CeFAT-1	pYES2	CeFAT-1	pYES2	CeFAT-1	pYES2	CeFAT-1
C16:0	7.1 ± 0.0	8.4 ± 0.2	8.2 ± 0.1	9.9 ± 0.3	8.4 ± 0.3	10.7 ± 0.2	7.8 ± 0.1	10.1 ± 0.2	6.3 ± 0.0	8.4 ± 0.1	6.9 ± 0.0	9.1 ± 0.2
C16:1 ^{Δ9}	27.4 ± 0.2	23.8 ± 0.1	15.1 ± 0.2	13.8 ± 0.6	18.3 ± 0.2	18.3 ± 0.3	22.7 ± 0.3	21.3 ± 1.6	25.3 ± 0.1	23.3 ± 0.4	26.1 ± 0.6	23.4 ± 0.1
C18:0	7.6 ± 0.1	10.0 ± 0.2	8.5 ± 0.1	10.4 ± 0.2	8.9 ± 0.1	11.2 ± 0.1	8.8 ± 0.1	11.1 ± 0.6	6.8 ± 0.1	9.2 ± 0.1	7.2 ± 0.1	9.7 ± 0.1
C18:1 ^{Δ9}	54.7 ± 0.6	54.7 ± 0.5	29.7 ± 0.4	28.2 ± 0.6	38.1 ± 0.4	40.4 ± 0.6	44.8 ± 0.5	44.5 ± 1.9	48.1 ± 1.4	47.6 ± 0.5	48.1 ± 1.4	49.7 ± 0.3
C18:1 ^{Δ11}	2.3 ± 0.1	2.1 ± 0.1	1.1 ± 0.1	1.0 ± 0.2	1.5 ± 0.1	1.5 ± 0.1	1.5 ± 0.0	1.3 ± 0.1	12.6 ± 1.6	10.2 ± 0.6	1.4 ± 0.0	1.2 ± 0.0
C18:1 ^{Δ12}											5.7 ± 0.1	5.0 ± 0.1
C18:2 ^{Δ9,12}			36.9 ± 0.7	32.0 ± 0.6	19.8 ± 1.2	13.1 ± 0.9						
C18:2 ^{Δ9,15}	0.0	0.3 ± 0.0		*		*	0.0	0.2 ± 0.0	0.0	0.4 ± 0.0	0.0	0.3 ± 0.0
C18:3 ^{Δ6,9,12}							13.9 ± 0.7	6.6 ± 2.2				
C18:3 ^{Δ9,12,15}			0.0	4.1 ± 0.3	0.0	1.3 ± 0.1						
C18:4 ^{Δ6,9,12,15}							0.0	3.9 ± 0.8				
C20:4 ^{Δ5,8,11,14}					4.8 ± 0.2	2.8 ± 0.2						
C20:5 ^{Δ5,8,11,14,17}					0.0	0.2 ± 0.0						
C18:2 conversion (%)				11.4 ± 0.9		9.4 ± 1.3						
C20:4 conversion (%)						7.0 ± 0.8						

Bold font indicates the fed substrate.

* indicates co-eluted with C18:2^{Δ9,12}