

Table S3. Relative fatty acid content of *R. sphaeroides* Δ ChrR Δ NtrYXpd.

Strain	C16:1	C16:0	C18:1	C18:0	19M-UFA	19Fu-FA
Cells	3.2 (0.8)	11.3 (0.8)	69.2 (2.2)	12.5 (0.7)	0.8 (0.6)	2.9 (0.5)
Media	0.9 (0.8)	13.2 (2.1)	64.5 (6.6)	15.9 (3.0)	1.3 (0.3)	4.2 (1.8)

Percentage composition of the individual fatty acid species. 11-methyl-octadecanoate (19M-UFA), 10,13-epoxy-11-methyl-octadecadienoic acid (19Fu-FA). Standard deviation in parentheses. N=7.