

Supplementary Material

Table S1. NCBI (National Center for Biotechnology Information) data for genera and/or species of cyanobacteria selected for this review.

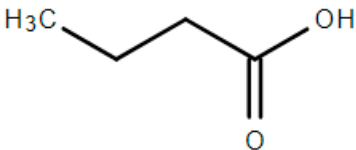
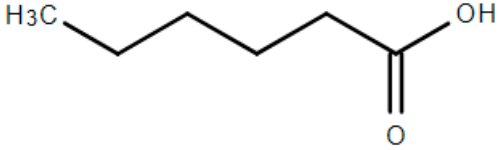
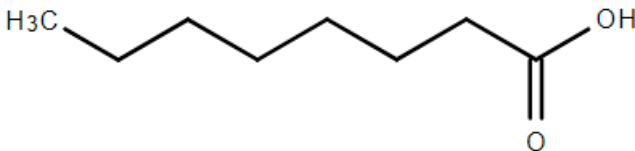
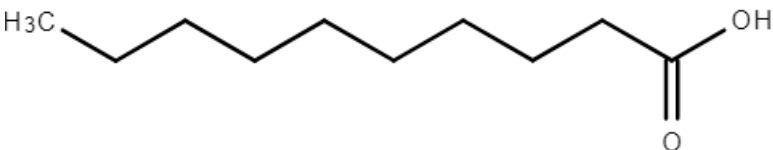
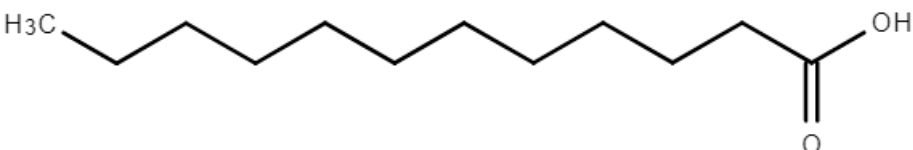
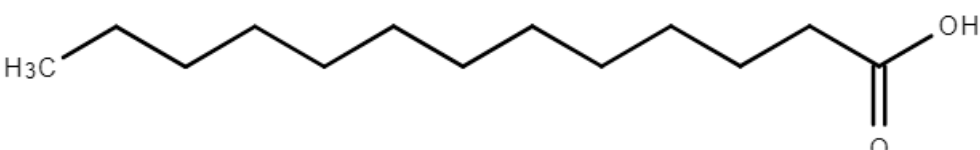
Genus and/or Species (Strain)	Link
<i>Anabaena affinis</i> (NIES-40)	https://www.ncbi.nlm.nih.gov/search/all/?term=Anabaena+affinis+%28NIES-40%29
<i>Anabaena cylindrica</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Anabaena+cylindrica
<i>Anabaena cylindrical</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Anabaena+cylindrical
<i>Anabaena doliolum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Anabaena+doliolum
<i>Anabaena fertilissima</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Anabaena+fertilissima
<i>Anabaena</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Anabaena+sp.
<i>Anabaena variabilis</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Anabaena+variabilis
<i>Anabaena variabilis</i> (ATCC 29413)	https://www.ncbi.nlm.nih.gov/search/all/?term=Anabaena+variabilis+%28ATCC+29413%29
<i>Anabaena variabilis</i> (ATCC 29413 L)	https://www.ncbi.nlm.nih.gov/search/all/?term=Anabaena+variabilis+ATCC+29413+%28L%29
<i>Aphanizomenon flos-aquae</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Aphanizomenon+flos-aquae
<i>Aphanizomenon klebahnii</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Aphanizomenon+klebahnii
<i>Aphanizomenon ovalisporum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Aphanizomenon+ovalisporum
<i>Arthronema africanum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Arthronema+africanum
<i>Arthrospira maxima</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Arthrospira+maxima
<i>Arthrospira platensis</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Arthrospira+platensis
<i>Arthrospira platensis</i> (CS-328)	https://www.ncbi.nlm.nih.gov/search/all/?term=Arthrospira+platensis+%28CS-328%29
<i>Arthrospira platensis</i> (NIES-39)	https://www.ncbi.nlm.nih.gov/search/all/?term=Arthrospira+platensis+%28NIES-39%29
<i>Arthrospira platensis</i> (SAG 21.99)	https://www.ncbi.nlm.nih.gov/search/all/?term=Arthrospira+platensis+%28SAG+21.99%29
<i>Arthrospira</i> strains <i>Paracas</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Arthrospira+strains+Paracas
<i>Calothrix fusca</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Calothrix+fusca
<i>Calothrix</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Calothrix+sp.
<i>Cephalothrix</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Cephalothrix+sp.

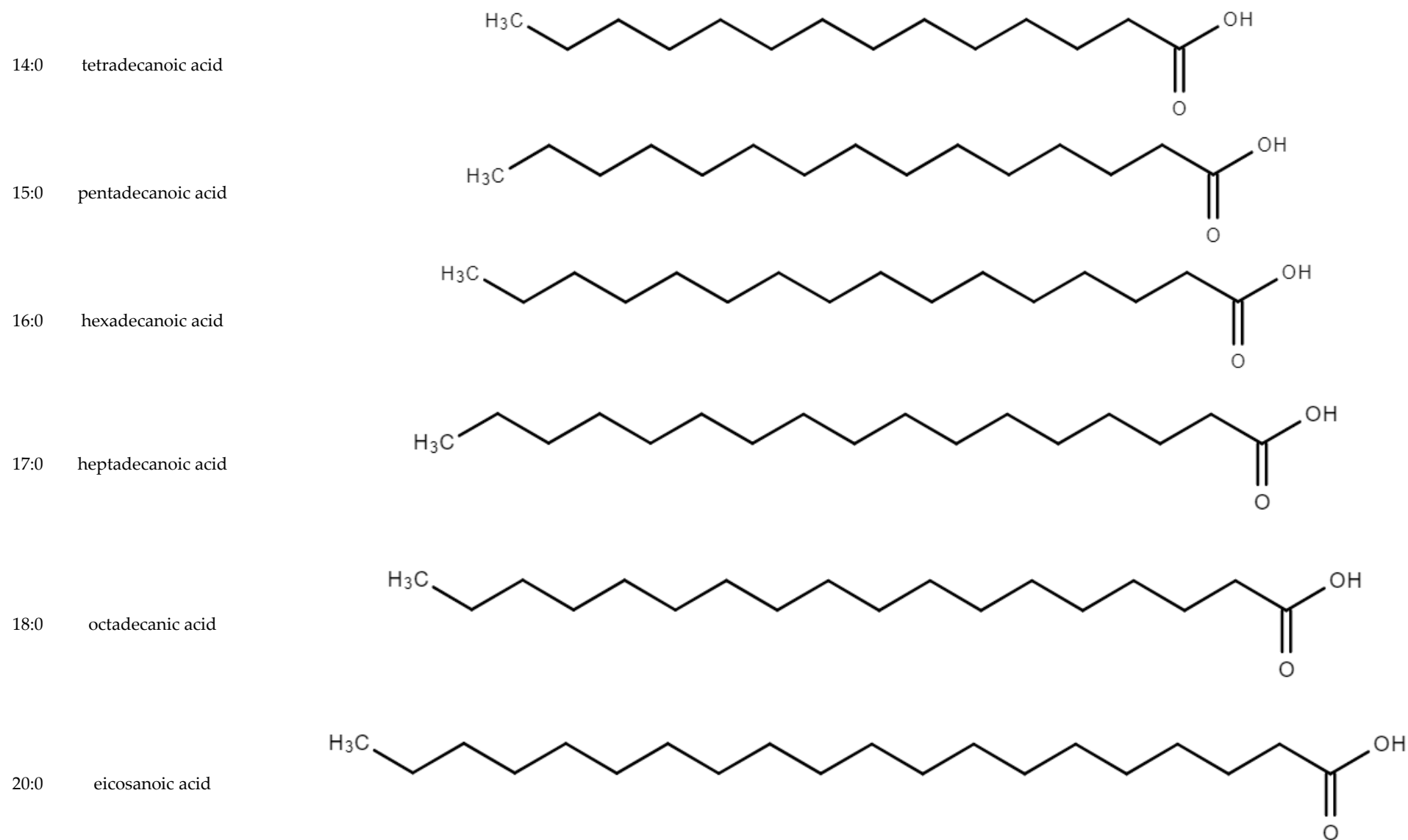
<i>Chrysotila pseudoroscoffensis</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Chrysotila+pseudoroscoffensis
<i>Cyanobacterium aponinum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Cyanobacterium+aponinum
<i>Cyanobacterium aponinum</i> (IPPAS B-1201)	https://www.ncbi.nlm.nih.gov/search/all/?term=Cyanobacterium+aponinum+%28IPPAS+B-1201%29
<i>Cyanobium</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Cyanobium+sp.
<i>Cyanothece</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Cyanothece+sp.
<i>Cylindrospermum muscicola</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Cylindrospermum+muscicola
<i>Desertifilum tharense</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Desertifilum%20tharense
<i>Dolichospermum affine</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Dolichospermum+affine
<i>Dolichospermum lemmermannii</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Dolichospermum+lemmermannii
<i>Gleiterinema</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Gleiterinema+sp.
<i>Gloeotheca</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Gloeotheca+sp.
<i>Leptolyngbya</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Leptolyngbya
<i>Leptolyngbya foveolarum</i> (HNBGU-001)	https://www.ncbi.nlm.nih.gov/search/all/?term=Leptolyngbya+foveolarum+%28HNBGU-001%29
<i>Leptolyngbya</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Leptolyngbya+sp.
<i>Leptolyngbya valderiana</i> (BDU 41001)	https://www.ncbi.nlm.nih.gov/search/all/?term=Leptolyngbya+valderiana+%28BDU+41001%29
<i>Limnothrix</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Limnothrix+sp.
<i>Lyngbya limnetica</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Lyngbya+limnetica
<i>Lyngbya</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Lyngbya+sp.
<i>Microcystis aeruginosa</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Microcystis+aeruginosa
<i>Microcystis aeruginosa</i> (CAAT 2005-3)	https://www.ncbi.nlm.nih.gov/search/all/?term=Microcystis+aeruginosa+%28CAAT+2005-3%29
<i>Microcystis aeruginosa</i> (NPCD-1)	https://www.ncbi.nlm.nih.gov/search/all/?term=Microcystis+aeruginosa+%28NPCD-1%29
<i>Myxosarcina</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Myxosarcina+sp.
<i>Nodosilinea</i> sp. (AK01)	https://www.ncbi.nlm.nih.gov/search/all/?term=Nodosilinea+sp.+%28AK01%29
<i>Nostoc calcicola</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+calcicola
<i>Nostoc carneum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+carneum
<i>Nostoc commune</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+commune++
<i>Nostoc linckia</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+linckia
<i>Nostoc muscorum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+muscorum

<i>Nostoc piscinale</i> (CENA21)	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+piscinale+%28CENA21%29
<i>Nostoc</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+sp.
<i>Nostoc</i> sp. (g15)	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+sp.+%28g15%29
<i>Nostoc</i> sp. (g17)	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+sp.+%28g17%29
<i>Nostoc</i> sp. (MBDU 013)	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+sp.+%28MBDU+013%29
<i>Nostoc</i> sp. (NIES-3756)	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+sp.+%28NIES-3756%29
<i>Nostoc</i> sp. (PCC 7413)	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+sp.+%28PCC+7413%29
<i>Nostoc</i> sp. (PCC 7936)	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+sp.+%28PCC+7936%29
<i>Nostoc</i> sp. NIES-3756 (J)	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+sp.+NIES-3756+%28J%29
<i>Nostoc verrucosum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Nostoc+verrucosum
<i>Oscillatoria acuminata</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Oscillatoria+acuminata
<i>Oscillatoria amoena</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Oscillatoria+amoena
<i>Oscillatoria calcuttensis</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Oscillatoria+calcuttensis
<i>Oscillatoria formosa</i> (BDU 91041)	https://www.ncbi.nlm.nih.gov/search/all/?term=Oscillatoria+formosa+%28BDU+91041%29
<i>Oscillatoria perornata</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Oscillatoria+perornata
<i>Oscillatoria salina</i> (BDU 10142)	https://www.ncbi.nlm.nih.gov/search/all/?term=Oscillatoria+salina+%28BDU+10142%29
<i>Oscillatoria</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Oscillatoria+sp.
<i>Oscillatoria subbrevis</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Oscillatoria+subbrevis
<i>Phormidium ambiguum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Phormidium+ambiguum
<i>Phormidium animale</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Phormidium+animale
<i>Phormidium lucidum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Phormidium+lucidum
<i>Phormidium</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Phormidium+sp.
<i>Phormidium tenue</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Phormidium+tenue
<i>Pseudanabaena</i> sp.	https://www.ncbi.nlm.nih.gov/search/all/?term=Pseudanabaena+sp.
<i>Scytonema bohnerii</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Scytonema+bohnerii
<i>Scytonema ocellatum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Scytonema+ocellatum
<i>Spirulina major</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Spirulina+major
<i>Spirulina maxima</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Spirulina+maxima

<i>Spirulina platensis</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Spirulina+platensis
<i>Spirulina sp.</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Spirulina+sp.
<i>Spirulina subsalsa</i> (BDU 30311)	https://www.ncbi.nlm.nih.gov/search/all/?term=Spirulina+subsalsa+%28BDU+30311%29
<i>Spitulina platensis</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Spitulina+platensis
<i>Synechococcus</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus
<i>Synechococcus</i> (PCC 7942)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+%28PCC+7942%29
<i>Synechococcus cedrorum</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+cedrorum
<i>Synechococcus elongatus</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+elongatus
<i>Synechococcus elongatus</i> (BDU 141741)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+elongatus+%28BDU+141741%29
<i>Synechococcus elongatus</i> (PCC 7942)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+elongatus+%28PCC+7942%29
<i>Synechococcus elongatus</i> (PCC7942 ieAB)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+elongatus+%28PCC7942+ieAB%29
<i>Synechococcus leopoliensis</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+leopoliensis
<i>Synechococcus sp.</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+sp.
<i>Synechococcus sp.</i> (HS01)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+sp.+%28HS01%29
<i>Synechococcus sp.</i> (PCC 7002)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+sp.+%28PCC+7002%29
<i>Synechococcus sp.</i> (PCC7942)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+sp.+%28PCC7942%29
<i>Synechococcus</i> (PCC 7002)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechococcus+%28PCC+7002%29
<i>Synechocystis</i> (PCC 6803)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechocystis+%28PCC+6803%29
<i>Synechocystis salina</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechocystis+salina
<i>Synechocystis sp.</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechocystis+sp.
<i>Synechocystis sp.</i> (CACIAM05)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechocystis+sp.+%28CACIAM05%29
<i>Synechocystis sp.</i> (PCC 6803)	https://www.ncbi.nlm.nih.gov/search/all/?term=Synechocystis+sp.+%28PCC+6803%29
<i>Tolypothrix sp.</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Tolypothrix+sp.
<i>Tolypothrix tenuis</i> (MBDU 609)	https://www.ncbi.nlm.nih.gov/search/all/?term=Tolypothrix+tenuis+%28MBDU+609%29
Wastewater-borne cyanobacteria	https://www.ncbi.nlm.nih.gov/search/all/?term=Wastewater-borne+cyanobacteria
<i>Westiellopsis sp.</i>	https://www.ncbi.nlm.nih.gov/search/all/?term=Westiellopsis+sp.

Table S2. Main saturated fatty acids detected in cyanobacteria selected for this review.

Name		Structure
4:0	butanoic acid	
6:0	hexanoic acid	
8:0	octanoic acid	
10:0	decanoic acid	
12:0	dodecanoic acid	
13:0	tridecanoic acid	



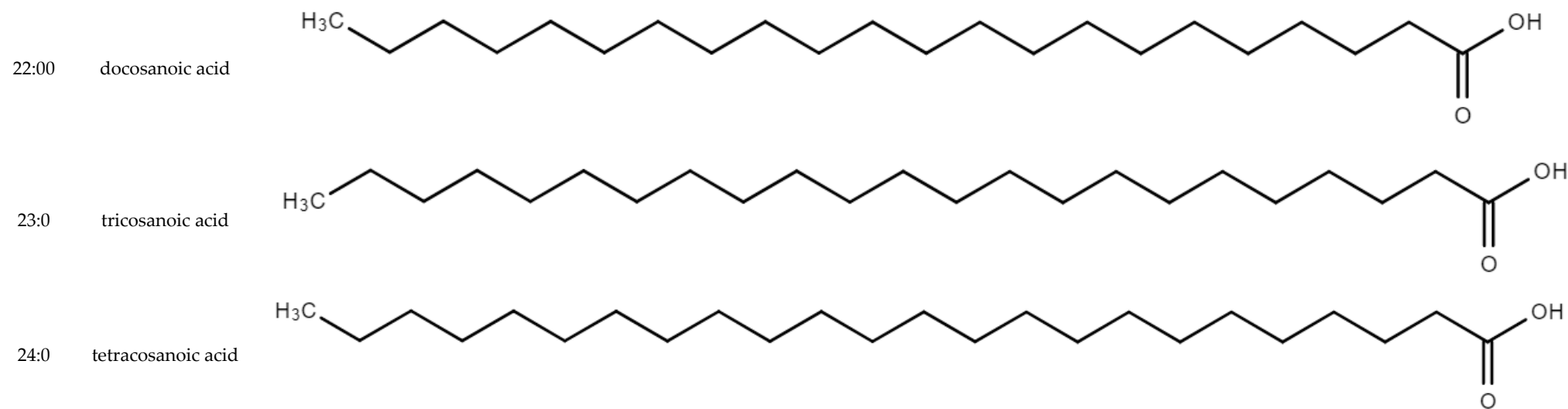


Table S3. Main monounsaturated fatty acids detected in cyanobacteria selected for this review.

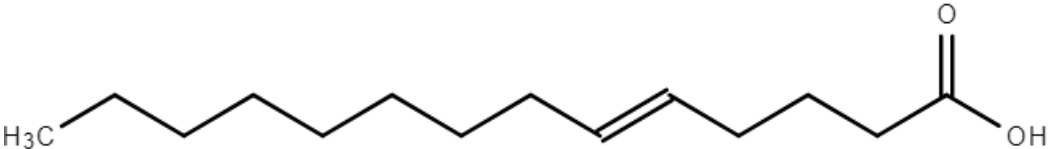
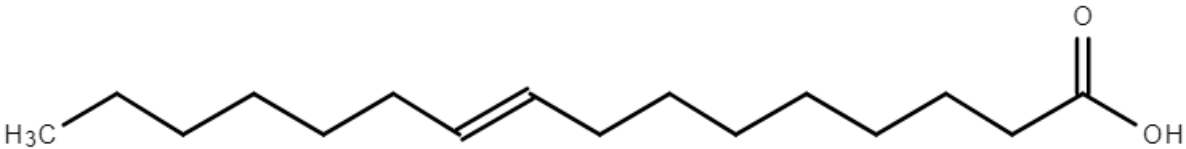
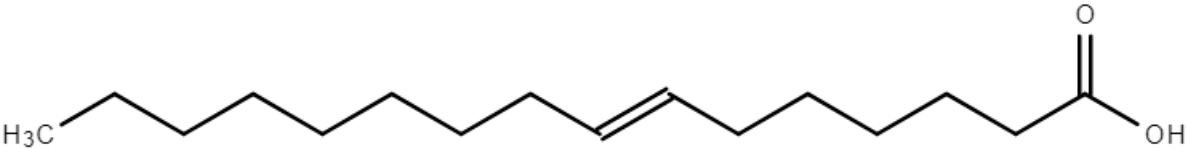
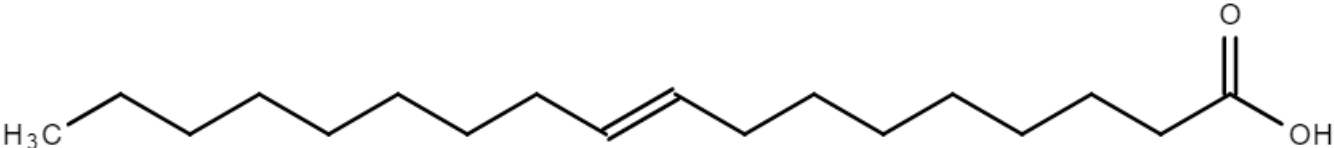
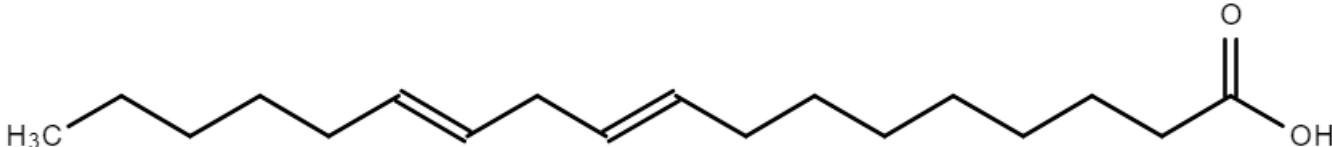
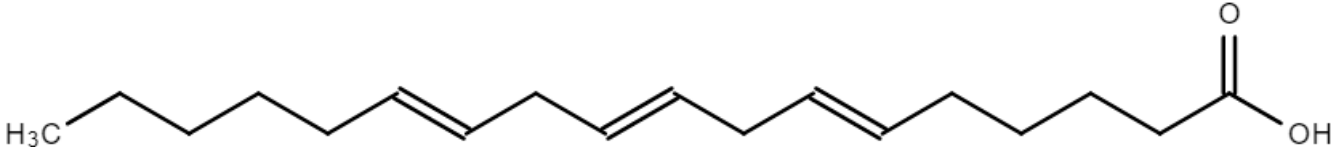
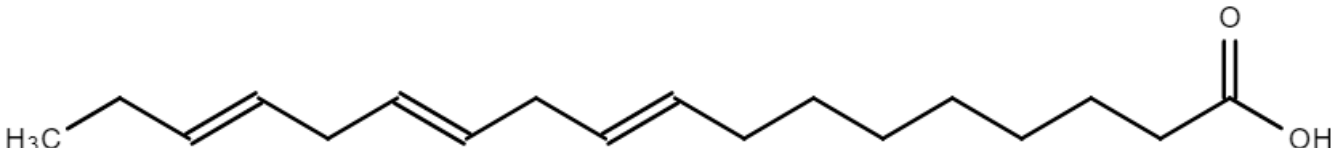
Name		Structure
14:1 ω -9	5-tetradecenoic acid	
16:1 ω -7	9-hexadecenic acid	
16:1 ω -9	7-hexadecenic acid	
18:1 ω -9	9-octadecenoic acid	

Table S4. Main polyunsaturated fatty acids detected in cyanobacteria selected for this review.

Name		Structure
18:2ω-6	9,12-octadecadienoic acid	
18:3ω-6	6, 9, 12-octadecatrienoic acid	
18:3ω-3	9, 12, 15-octadecatrienoic acid	
18:4ω-3	6, 9, 12, 15- octadecatetraenic acid	