

List of Symbols and Abbreviations

PUFA	Polyunsaturated fatty acid
FA	Fatty acid
SFA	Saturated fatty acid
UFA	Unsaturated fatty acid
sp.	Species
N	Nitrogen
P	Phosphorous
S	Sulfur
Vit	Vitamin
ER	Endoplasmic reticulum
SP	Starch phosphorylase
ADP	Adenosyl diphosphate
ATP	Adenosyl triphosphate
PGA	Phosphoglycerate
HK	Hexose kinase
PFK	Phosphofructokinase
DHA	Docosahexaenoic acid
EPA	Eicosapentaenoic acid
MLDP	Major lipid droplet protein
TOR	Target of rapamycin
DGAT	Diacylglycerol acyltransferase
RPS6	Ribosome protein S6
ACC	Acetyl CoA carboxylase
ATG	AuTophagy
GC	Gas chromatography
LC	Liquid chromatography
MS	Mass spectrometer
HPLC	High-performance liquid chromatography
FTIR	Fourier transform infrared spectroscopy
NMR	Nuclear magnetic resonance
2D	Two-dimensional
DMSO	Dimethyl sulfoxide
PCR	Polymerase chain reaction
UV	Ultraviolet
VIS	Visible
OD	Optical density

RT	Room temperature
NaCl	Sodium chloride
NaAc	Sodium acetate
Chl	Chlorophyll
Car	Carotenoid
TAG	Triacylglycerol
DAG	Diacylglycerol
LD	Lipid droplet
RS	Raman spectroscopy
LLPS	Liquid-liquid phase separation
NR	Nile red
TAP	Tris-acetate phosphate
SS	Single stage
G	Gradient
rpm	Revolutions per minute
BR	Bright-field
FL	Fluorescence
HI	Heterogeneity index
DWT	Discrete wavelet transform
DU	Degree of unsaturation
CN	Cetane number
PCA	Principle component analysis
°C	Degree Celsius
mL	Milliliter
L	Liter
g	Gram
mg	Milligram
µg	Microgram
mol	Moles
µmol	Micromoles
mM	Millimolar
nM	Nanomolar
m	Meter
cm	Centimeter
µm	Micrometer
nm	Nanometer
s	Seconds
min	Minutes
h	Hour
a.u.	Absorbance unit
f.u.	Fluorescence unit