

Additional file 1: Table S1 GenBank accession numbers (from National Center for Biotechnology Information) for

DGAT and ACTIN proteins sequence used in this study.

Cz, *Chromochloris zofingiensis*; No, *Nannochloropsis oceanica*; Cr, *Chlamydomonas reinhardtii*; Pt, *Phaeodactylum tricornutum*; Li, *Lobosphaera incisae*; At, *Arabidopsis thaliana*; Gm, *Glycine max*; Zm, *Zea mays*; Sc, *Saccharomyces cerevisiae*.

Gene	GenBank No.	Gene	GenBank No.
<i>CzDGAT1A</i>	QBG05553.1	<i>CrDGAT1</i>	XP_001692975.1
<i>CzDGAT1B</i>	QBG05554.1	<i>CrDGAT2A</i>	AGO32156.1
<i>CzDGAT2A</i>	QBG05555.1	<i>CrDGAT2B</i>	AGO32157.1
<i>CzDGAT2B</i>	QBG05556.1	<i>CrDGAT2C</i>	AGO32158.1
<i>CzDGAT2C</i>	QBG05557.1	<i>CrDGAT2D</i>	AGO32159.1
<i>CzDGAT2D</i>	QBG05558.1	<i>CrDGAT2E</i>	XP_001701667.1
<i>CzDGAT2E</i>	QBG05559.1	<i>CrDGAT3</i>	XP_001691342.1
<i>CzDGAT2F</i>	QBG05560.1	<i>PtDGAT1</i>	ADY76581.1
<i>CzDGAT2G</i>	QBG05561.1	<i>PtDGAT2A</i>	AFQ23659.1
<i>CzDGAT2H</i>	QBG05562.1	<i>PtDGAT2B</i>	AFM37314.1
<i>NoDGAT1A</i>	ASL69957.1	<i>PtDGAT2C</i>	AFQ23660.1
<i>NoDGAT1B</i>	ASL69958.1	<i>PtDGAT2D</i>	AFQ23661.1
<i>NoDGAT2A</i>	ATB53137.1	<i>PtWSD</i>	XP_002180007.1
<i>NoDGAT2B</i>	ATB53138.1	<i>AtDGAT1</i>	CAB45373.1
<i>NoDGAT2C</i>	ATB53139.1	<i>AtDGAT2</i>	NP_566952.1
<i>NoDGAT2D</i>	ATB53140.1	<i>GmDGAT3</i>	XP_003542403.1
<i>NoDGAT2E</i>	ATB53141.1	<i>GmWSD</i>	XP_003552517.1
<i>NoDGAT2F</i>	ATB53142.1	<i>LiDGAT1</i>	MF576159
<i>NoDGAT2G</i>	ATB53143.1	<i>LiDGAT2.1</i>	MH290880
<i>NoDGAT2H</i>	ATB53144.1	<i>LiDGAT2.2</i>	MH290881
<i>NoDGAT2I</i>	ATB53145.1	<i>LiDGAT2.3</i>	MH290882
<i>NoDGAT2J</i>	ATB53146.1	<i>ZmDGAT3</i>	PWZ45621.1
<i>NoDGAT2K</i>	ATB53136.1	<i>HpDGAT2A</i>	MT875161
<i>HpDGAT2B</i>	MT875162	<i>HpDGAT2C</i>	MT875163
<i>HpDGAT2D</i>	MT875164	<i>HpDGAT2E</i>	MT875165
<i>ScACTIN</i>	AAA34391.1	<i>CrACTIN</i>	D50838.1
<i>AtACTIN</i>	NP_190236.1		