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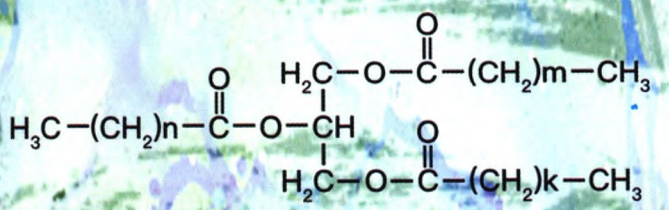

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On The Cover

In the industrial oleaginous microalgae *Nannochloropsis oceanica*, the type 2 diacylglycerol acyltransferases NoDGAT2A, 2C, 2D, 2J and 2K feature distinct and complementary fatty-acid substrate preferences in the assembly of TAG molecules. Each NoDGAT2 is analogous to one of seven brothers with unique supernatural abilities in a famous Chinese animation, called Calabash Brothers or *Huluwa*. These NoDGAT2s can be exploited to synthesize "designer TAGs" in algae and higher plants. Image by: Jian Xu and Yi Xin.