

Supplementary Material

Skeletal Muscle Cell Growth Alters the Lipid Composition of Extracellular Vesicles

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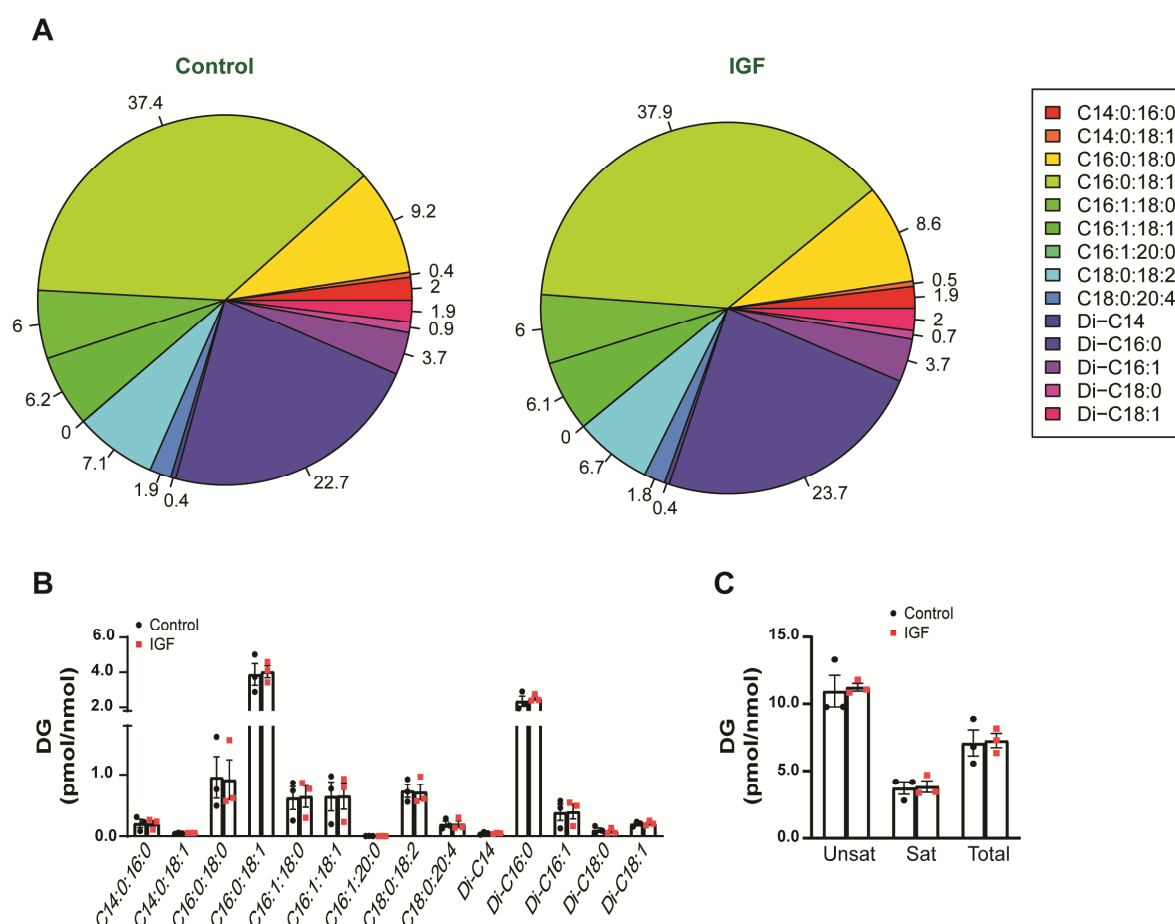


Figure S1. Diacylglycerol (DG) composition of C2C12 myotube cells. **A-** Pie chart highlighting DG species between myotube control (control) and IGF-treated myotubes (Treated); **B-** DG species between groups normalized for the amount of lipid-associated phosphate (a measure of total phospholipids in each preparation); **C-** Unsaturated, saturated and total DG between control and treated cells. Data is presented as percentage (A) and as mean \pm SE (B-C) (n=3) with significance denoted by an asterisk compared to Control.

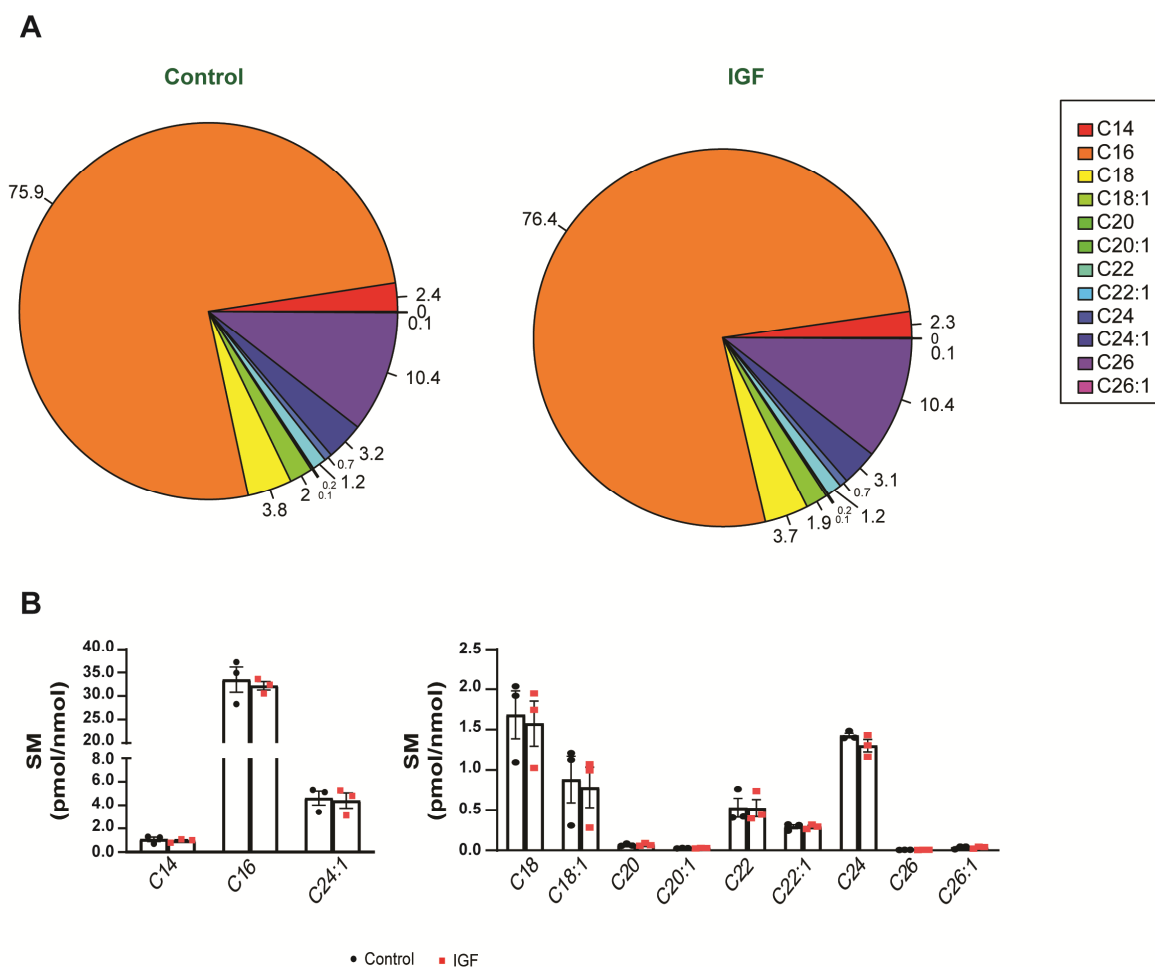


Figure S2. Sphingomyelin (SM) composition of C2C12 myotube cells. A- Pie chart highlighting SM species between myotube control (control) and IGF-treated myotubes (Treated); B- SM species between groups normalized for the amount of lipid-associated phosphate (a measure of total phospholipids in each preparation). Data is presented as percentage (A) and as mean \pm SE (B) (n=3) with significance denoted by an asterisk compared to Control.

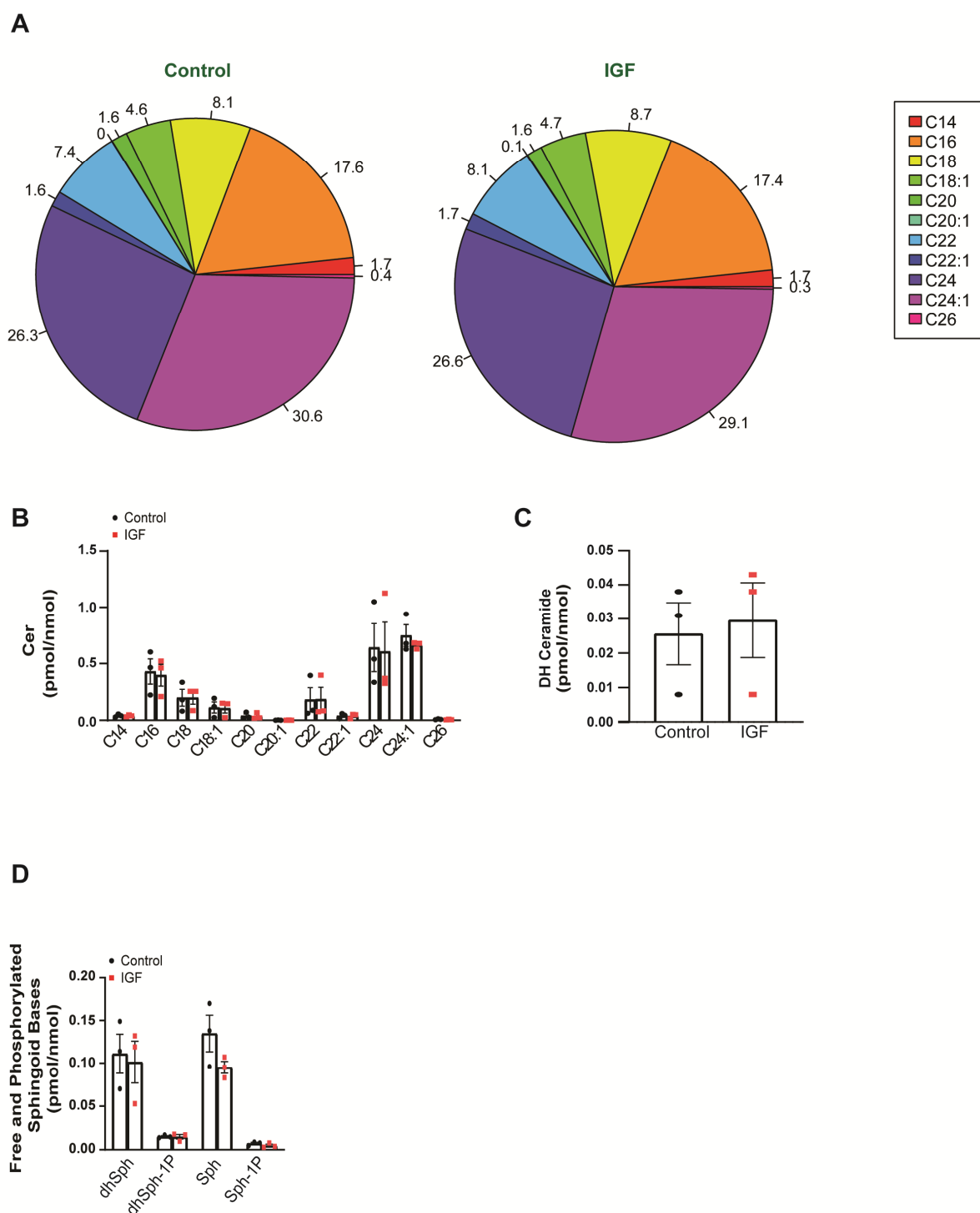


Figure S3. Ceramide (Cer) composition of C2C12 myotube cells. **A-** Pie chart highlighting Cer species between myotube control (control) and IGF-treated myotubes (Treated); **B-** Cer species between groups normalized for the amount of lipid-associated phosphate (a measure of total phospholipids in each preparation); Total amount of dihydro-ceramide (DH) (**C**) and sphingoid bases (**D**) between Control and Treated cells. dhSph: dihydrosphingosine, dhSph-1P: dihydrosphingosine-phosphate, Sph: sphingosine; Sph-1P: sphingosine-phosphate. Data is presented as percentage (**A**) and as mean \pm SE (**B-D**) ($n=3$) with significance denoted by an asterisk compared to Control.