

Fig. S1. Lipolytic activity towards trioleoylglycerol (TAG), dioleoylglycerol (DAG) or monooleoylglycerol (MAG) of COS-7 cells transiently transfected with constructs expressing β -gal (LZ), hormone sensitive lipase (HSL) or MGI:1916082. Please note that the β -gal and HSL measurements are identical with the ones shown in Fig. 5G.

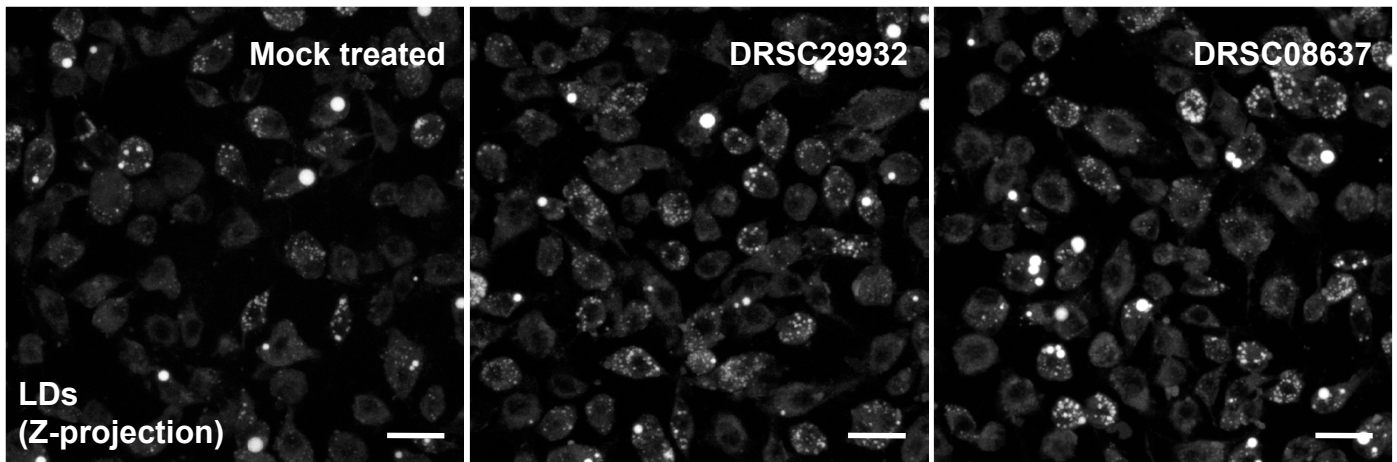
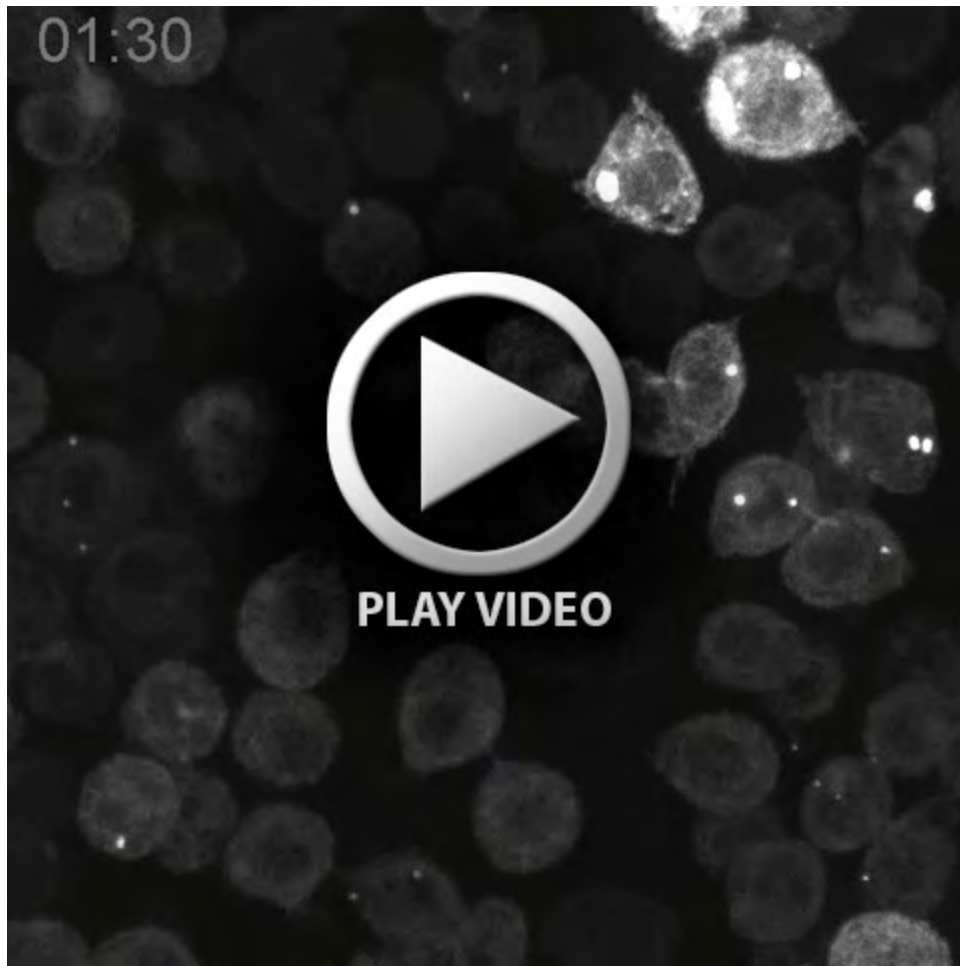


Fig. S2. *Drosophila* Kc167 cells incubated with 400 μ M OA were mock treated or incubated with dsRNAs targeting CG9186-encoding transcripts (DRSC29932 or DRSC08637) for six days. LDs were visualized by BODIPY493/503. The knockdown of CG9186 in the tissue culture cells has no clear-cut effect on storage lipid levels. Scale bars: 15 μ m.



Movie 1. Time-lapse movie of CG9186 expressing cells incubated in the presence of oleic acid to induce lipid droplets.