

Supporting Information

Mahdessian et al. 10.1073/pnas.1323785111

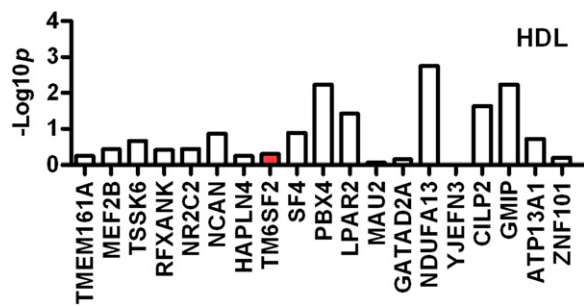


Fig. S1. Comparison of the $-\log_{10} P$ values for the relationships between the mRNA levels of all 19 genes in the 19p12 locus and the plasma HDL cholesterol concentration analyzed in 206 individuals.

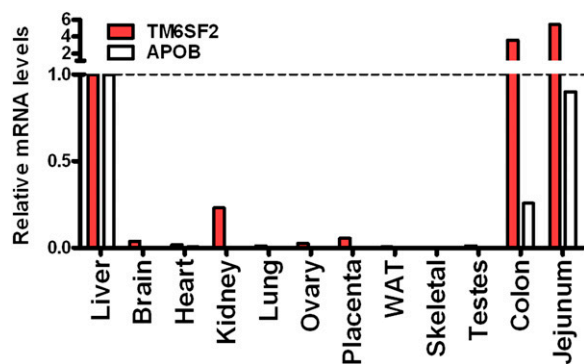


Fig. S2. Comparative analysis of transmembrane 6 superfamily member 2 (*TM6SF2*) mRNA levels in nine human tissues. *TM6SF2* and apolipoprotein B (*APOB*) mRNA levels were measured with quantitative real-time PCR (RT-PCR) and normalized with RPLP0. The data were expressed relative to the mRNA level in human liver and represent mean values of five independent experiments.

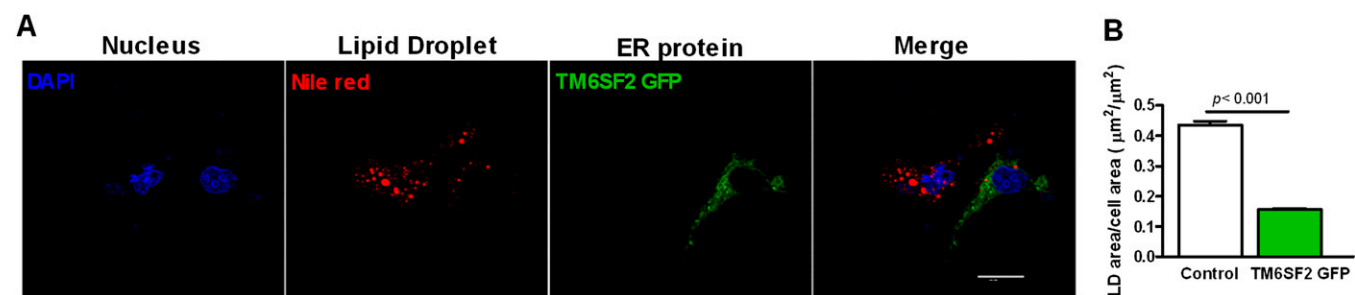


Fig. S5. Overexpression of GFP-tagged TM6SF2 reduces lipid droplet content of human hepatoma Huh7 cells. (A) Human hepatoma Huh7 cells were transfected with GFP-tagged TM6SF2 plasmids. Following 48-h incubation, cells were stained with Nile Red and analyzed by confocal microscopy. Huh7 cell pairs (composed of one cell expressing and the other cell not expressing the GFP-tagged protein) were identified and subjected to qualitative and quantitative analysis. Note that the lipid droplet content (red color) is considerably lower in cells expressing GFP-tagged TM6SF2 (green color) compared with cells that do not express GFP-tagged TM6SF2 (absence of green color). (B) Quantification of the lipid droplet content from four to six independent experiments shown in A. (Scale bar, 50 μm .)