Scientists show reprogrammed fat cells support tumor growth

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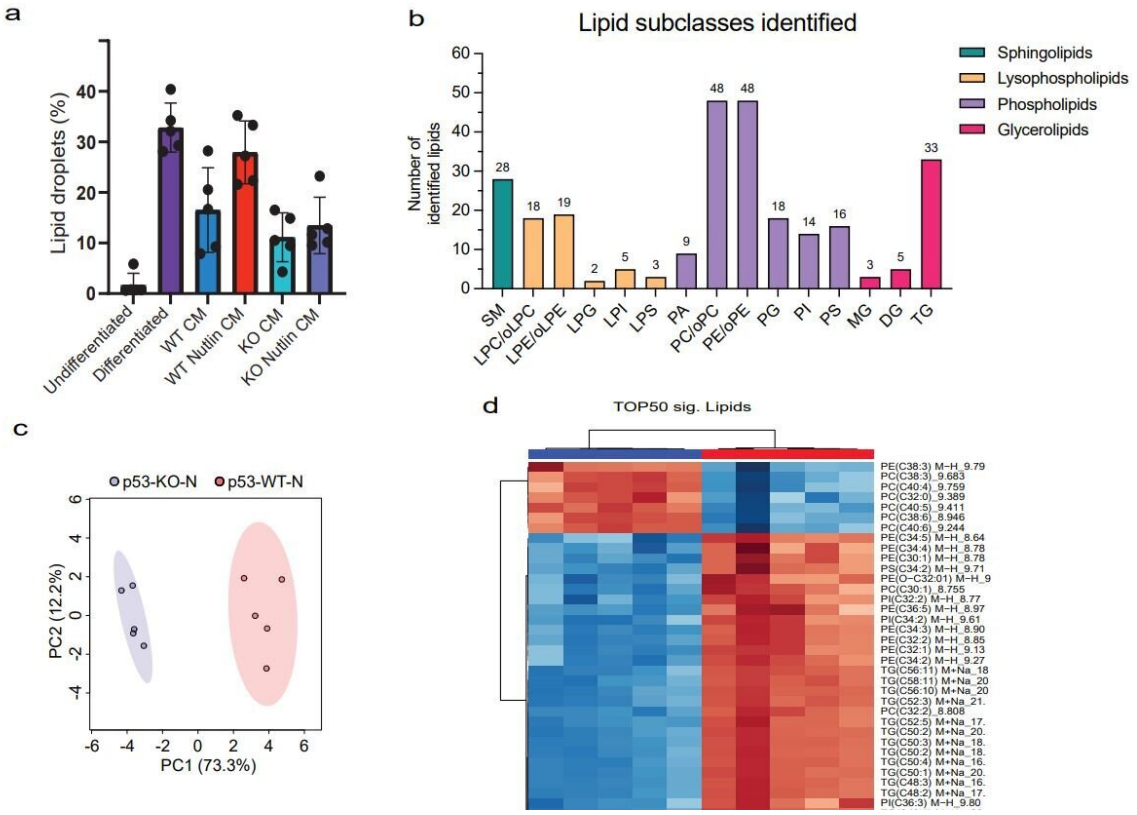

a, Quantification of lipid droplets by Oil-Red-O staining in undifferentiated 3T3-L1 and 3T3-L1 induced to differentiate in the presence of regular differentiation medium or differentiation medium supplemented (1:1) with CM from control (WT) or p53KO WEP cells treated for 24 hours with or without 7μM Nutlin-3a before harvesting. Each dot represents quantification by ImageJ of a non-overlapping microscopic field (5 randomly chosen fields for each condition). b, Numbers of lipid molecular species per lipid subclass identified in 3T3-L1 cells across all samples. c, Principal component analysis (PCA) of the

lipidomics data of 3T3-L1 cells differentiated in the presence of CM from WT or p53KO WEP cells treated with Nutlin-3a. d, Heatmap showing the top 50 significantly different lipids in the cells in (c). The heatmap was constructed according to a two sample t-test (p-value