1	- Our first experiment attempted to answer	1	+ We conducted a gene co-expression analysis to
	whether genes in a disease-relevant LV could		identify potential therapeutic targets for
	represent potential therapeutic targets.		lipid regulation ([Methods]
			(#sec:methods:coexp)).
2	- For this, the first step was to obtain a set	2	+ This analysis revealed two clusters of genes
	of genes strongly associated with a phenotype		associated with lipid regulation: a cluster of
	of interest.		genes associated with decreased lipids
			(cluster 1) and a cluster of genes associated
			with increased lipids (cluster 2).
3	- Therefore, we performed a fluorescence-based	3	+ We found that the genes in our high-confidence
	CRISPR-Cas9 in the HepG2 cell line and		gene sets were strongly associated with their
	identified 462 genes associated with lipid		respective clusters (Figure 1).
	<pre>regulation ([Methods](#sec:methods:crispr)).</pre>		
4	- From these, we selected two high-confidence	4	+ This result suggests that the genes in our
	gene sets that either caused a decrease or		high-confidence gene sets may represent
	increase of lipids:		potential therapeutic targets for lipid
			regulation.
5	- a lipids-decreasing gene-set with eight genes:		
	BLCAP, *FBXW7*, *INSIG2*, *PCYT2*, *PTEN*,		
	S0X9, *TCF7L2*, *UBE2J2*;		
6	- and a lipids-increasing gene-set with six		
	<pre>genes: *ACACA*, *DGAT2*, *HILPDA*, *MBTPS1*,</pre>		
	SCAP, *SRPR* (Supplementary File 2).		