Supplementary FIGURE 1 Acute depletion of Vps15 results in GR inhibition

(a) Relative transcript levels of GR target genes in the livers random-fed mice ten days post-transduction with Adeno-GFP or Adeno-GFP-CRE vectors.

(b) Immunoblot analysis of total protein extracts of liver tissue of mice collected as in (a) using indicated antibodies.

(c) Relative transcript levels of 11βHSD1 and C/EBPβ in the livers of mice collected as in (a).

(d) Corticosterone levels in liver tissue of mice collected as in (a) analyzed by LC-MS/MS and presented as peak area (arbitrary units).

Data are means ±SEM (n=5-6, *P < .05, † P < .01, ‡ P < .001: vs Adeno-GFP mice, two-tailed, unpaired Student’s t test).
Supplementary Figure 1

(a) Relative mRNA expression

(b) Relative protein level

(c) 11β-HSD1 and C/EBPβ

(d) Corticosterone levels and Area under the peak, AU

- Vps15, G6pc, Pepck, Lipin1, Mttp, Dgat2, Insig2, Tat, Gilz
- Hey1, Hes1
- *p < 0.05
- †p < 0.01
- ‡p < 0.001

Gluconeogenesis, Lipid metabolism, Tyrosine metabolism, Inflammation, Transcriptional repressor
### Supplementary Table 1. Primer sequences used for RT-qPCR analyses

| Gene   | Sense  | Antisense                      |
|--------|--------|--------------------------------|
| G6pc   | 5'-ATGAACATTTCTCCATGACTTTGGG-3'  | 5'-GACAGGGAAACTGCTTTATTATAGG-3' |
| Peck   | 5'-CTGCTAAACGGTCTGGAATTC-3'     | 5'-CAGCAACTGCCCCGTACTCC-3'      |
| Fabp1  | 5'-TCCGCAATGATGTCACCTGT-3'     | 5'-CAGCTTGACGACTGCCTTGA-3'      |
| Insig2 | 5'-CCCTCAATGAATGTACTGAAGGATT-3' | 5'-TGTAAGTGAAGACAGAATGT-3'      |
| Lpin1  | 5'-GGGAGACACGGAAGACAT-3'       | 5'-ATTCTGAGCTCTTCTGGA-3'        |
| Mttp   | 5'-ATGGGCCCCGCTTTGTTA-3'       | 5'-ACGTGAGCTTTGTATAGCCGC-3'     |
| Dgat2  | 5'-AGGGATCTGCCTGCCTGACG-3'     | 5'-CTGAGCTGTCTTTCACCCCT-3'      |
| Angptl4| 5'-AGAGGCTTCCAAGAGTACC-3'      | 5'-GGGAAGATCTCCCTGGCAGTCC-3'    |
| Abcb11 | 5'-TGGATCAACAGCCTCTCAAC-3'     | 5'-TTCGCCTGTATAAGTCCAAC-3'      |
| Tat    | 5'-GGCTGGGGCTGATCCCTATC-3'     | 5'-ATAAGCAAGGGCTGGAATCCG-3'     |
| Gilz   | 5'-GGGAGTCTCTAAAGGAGCAGATC-3'   | 5'-GCGTCTTCAGGAGGGTGTC-3'       |
| Hes1   | 5'-GGAGAGGCTGGCAAGGTTC-3'      | 5'-GCAAATTGCCGGTCAGGA-3'        |
| Hey1   | 5'-CAAGCCCGGAAGAAGCG-3'         | 5'-TCGTCGAATTCCAGAAAGG-3'       |
| Fkbp51 | 5'-GCTGGCAAAACACACGAG-3'       | 5'-GAGGAGGGCCGAGTTCATG-3'       |
| 11βHSD1| 5'-AACCACATCAGACTGACCT-3'      | 5'-GAGGAGGGCCGAGTTCATG-3'       |
|    |    |    |
|----|----|----|
|    | antisense | 5'-ACCCATCCAGGCAAACTTG-3' |
| GRα | sense  | 5'-AAAGAGCTAGGAAAAAGCCATTTGTC-3' |
|    | antisense | 5'-CTGTCTTTGGCTTTTGAGATAGG-3' |
| GRβ | sense  | 5'-AAAGAGCTAGGAAAAAGCCATTTGTC-3' |
|    | antisense | 5'-TCAGCTAAACATCTCTGGGAATTCA-3' |