Supplementary Fig. S1. The bar graph of band density in figure 1I (A) and 2I (B)
Supplementary Fig. S2. HepG2 cells were infected with Ad-GFP or Ad-JMJD2B and then incubated in the presence or absence of T09013178 for 24 h. Protein extracts were immunoprecipitated with LXRα antibody-agarose beads, and the interaction was detected with immunoblot analysis using JMJD2B antibody. Arrow indicates JMJD2B band detected in LXRα antibody-mediated immunoprecipitants.
## Supplementary Table S1. Primer sequences used for real-time PCR

| Species | Gene | 5'→3' Sequence |
|---------|------|----------------|
| **Human** | | |
| | JMJD2B | F: G GCCGGAGCTGCACACT  
R: CGCGTCTTTTGCACAGAGTAAGA |
| | LXRα | F: GCTCCTTTTCTGACCGGCTT  
R: TGAATCCACTTGCAGCCCT |
| | SREBP1c | F: CGG AGCCATGGATTTGCACT  
R: TAGGCCAGGGGAAGTCACTG |
| | FAS | F: TCGTGGGCTACACAGCATGGT  
R: GCCCTCTGAAGTCAAGAAAGAA |
| | ACC | F: CTGTAGAAACCCCCGCAGTAGAAC  
R: GGTCAGCATACCATCTCATG |
| | SCD1 | F: CACCACATTCTTCATTGATTGCA  
R: ATGGCCGCGCTTGGAGACT |
| | 18S | F: CGGCTACCACATCCAGGA  
R: GCTGGAATTACCGCGGCT |
| **Mouse** | | |
| | JMJD2B | F: G GCCCAAGATCATCCACCA  
R: CCCCACAGTCAATGGGCTT |
| | LXRα | F: ATGGGCTTCTGGAAGACCTCTG  
R: GATGGGGTTGATGAACTCCACC |
| | SREBP1c | F: TGGATTGACATTTGAAGACAT  
R: GCCAGAGAAGCGAAGAG |
| | FAS | F: AGG TGG TAG CAT CGG GTA TGT  
R: TGG GTA ATC CAT AGA GCC CAG |
| | ACC | F: TGACAGACTGATCGACAGAAAG  
R: TGGAGAGCCCACACACA |
| | SCD1 | F: CCGAGACCCCTTATTAGTCGA  
R: TAGCCTGTAAAAGATTTCTGCAAA|
| | 18S | F: CGGCTACCACATCCAGGA  
R: CGGCTACCACATCCAGGA |