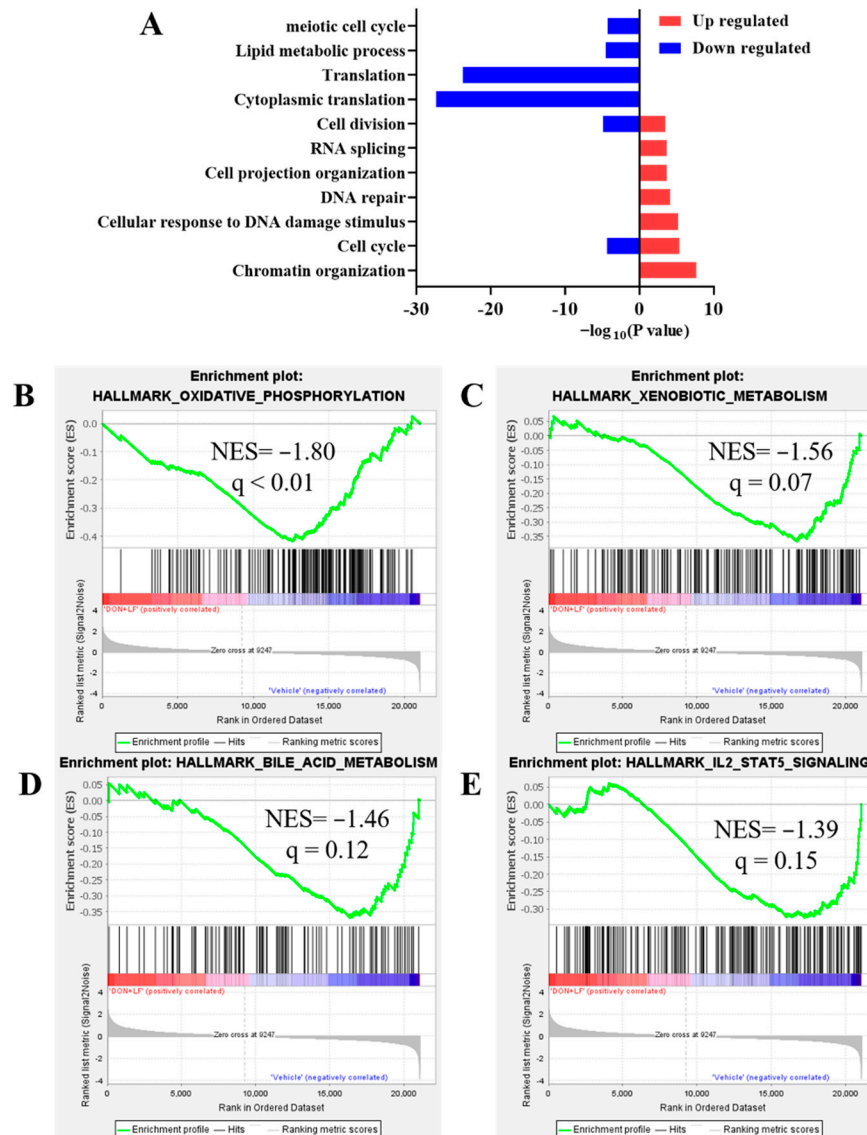


Supplementary Table S1 Primers used for real time quantitative PCR

Gene (abbreviation)	Accession numbers	Sequence (5'→3')	Length of product
Star	NM_011485.5	F: ACCTCGGTGCTTTAAGGTGA R: AGCCACAGTGTTTGCTGAAG	166
Cyp11a1	NM_019779.4	F: GGATGCGTCGATACTCTTCTCA R: GGACGATTCTGGTCTTTCTTCCA	146
Hsd3β1	NM_008293.4	F: GTACATTTATGGGGAGAGAAGTCC R: CCAGGCCACATTGCCTACATA	130
Cyp17a1	NM_007809.3	F: ATCTCTGGGCACTGCATCAC R: GAGCCTCTCCAATGCACGAT	156
Tnfrsf9	NM_001077509.1	F: TCGCTGCCCTGAGATCGAAA R: TGTTACAGTTCGGCTGTCCA	233
Rnf144b	NM_001170643.1	F: GCTAGAGAGACGCCAAGCAG R: AGCCTTCTCGGATTGACAGC	275
Ccl22	NM_009137.2	F: TTGGCCTCCACCTACTCTCA R: CGTGCTGCAGACCAAGAAAC	116
Abi1	NM_001077190.3	F: CCATGCCTCAGTTGACTCCA R: GTGGAGTTGGGCTATCAGCA	145
Itga9	NM_001113514.1	F: ATCAAGAGTCACCGCTTCGC R: TGATGCCTTCCTGGTGAGCG	90
Pkd1	NM_013630.3	F: AGCTACCTGGACCCATCTGT R: CAGCACACCAGGCTTTTAGC	122
IL6st	NM_010560.3	F: TACCATGGAGCACCTCCCTT R: CACGAAAGAATACGAGCCCA	198
Relb	NM_009046.2	F: TTCGGGCTGTCGGTCCCTA R: AGGGAAGAGAGGTCACTGGAA	104
GAPDH	NM_008084.4	F: TGGAGAAACCTGCCAAGTATGA R: TGGAAGAATGGGAGTTGCTGT	135

transformed, normalized to Vehicle for DON group, and normalized to DON group for DON+LF group). NES—normalized enrichment score; q value—false discovery rate p value (same for **supplementary figure S2**).



Supplementary Figure S2. Transcriptional profiling of testes from mice in DON+LF group compared to the vehicle group. (A) Gene ontology (GO) analysis of the up-regulated and down-regulated genes of the DON+LF group compared to those of the vehicle group. The hypergeometric test and Benjamini–Hochberg p value correction were applied. (B–E) GSEA plots depicting the enrichment of genes involved in the oxidative phosphorylation, xenobiotic metabolism, bile acid metabolism and IL2 STAT5 signaling pathways of testes in mice of the DON+LF group compared to the vehicles.