

Figure S3. Serum AST levels (mean  $\pm$  SE) in Mutant 1 mice (n = 24) or non-transgenic littermates (n = 18) at 23-25 months of age, classified by liver histology. The data in Mutant 1 mice were from 13 mice in the group with no neoplasm, 3 mice in the adenoma group, and 8 mice in the HCC group. P = 0.09, Mutant 1 mice vs. non-transgenic littermates in the non-tumor group.