Lifeng Chen, et al. Figure S2

A. KEGG PYRIMIDINE METABOLISM

B. KEGG MISMATCH REPAIR

C. KEGG APOPTOSIS

D. HALLMARK DNA REPAIR

E. KEGG CELL CYCLE

F. HALLMARK OXIDATIVE PHOSPHORYLATION

G. HALLMARK REACTIVE OXYGEN SPECIES PATHWAY

H. HALLMARK HYPOXIA

I. HALLMARK EPITHELIAL MESENCHYMAL TRANSITION

J. HALLMARK INTERFERON GAMMA RESPONSE

K. HALLMARK GLYCOLYSIS

L. KEGG P53 SIGNALING PATHWAY

M. HALLMARK KRAS SIGNALING

N. HALLMARK WNT BETA CATENIN SIGNALING

O. HALLMARK PI3K AKT MTOR SIGNALING

Rank in Ordered Dataset

Running Enrichment Score

Ranked List Metric

Afu_Sen Bfu_Res

NES = -1.448; P = 0.015; FDR = 0.073

NES = -1.516; P = 0.038; FDR = 0.114

NES = -1.678; P = 0.002; FDR = 0.026

NES = -1.533; P = 0.005; FDR = 0.035

NES = -1.365; P = 0.004; FDR = 0.024

NES = -1.653; P = 0.003; FDR = 0.026

NES = -1.514; P = 0.019; FDR = 0.085

NES = -2.196; P = 0.005; FDR = 0.024

NES = -1.675; P = 0.005; FDR = 0.024

NES = -1.632; P = 0.003; FDR = 0.026

NES = -1.961; P = 0.005; FDR = 0.024

NES = -1.516; P = 0.003; FDR = 0.026

NES = -1.357; P = 0.014; FDR = 0.073

NES = -1.798; P = 0.003; FDR = 0.024

NES = -1.475; P = 0.005; FDR = 0.035
**Fig. S2** Enrichment plots of GSEA for well-proven pathways regarding 5-Fu resistance discovered in current analysis. a Enrichment plot for pyrimidine metabolic pathway. b-o Enrichment plots for mismatch repair, apoptosis, DNA repair, cell cycle, oxidative phosphorylation, reactive oxygen species pathway, hypoxia, epithelial mesenchymal transition, interferon gamma response, glycolysis, P53 signaling, KRAS signaling, WNT beta catenin signaling and PI3K-AKT-MTOR signaling pathways.