

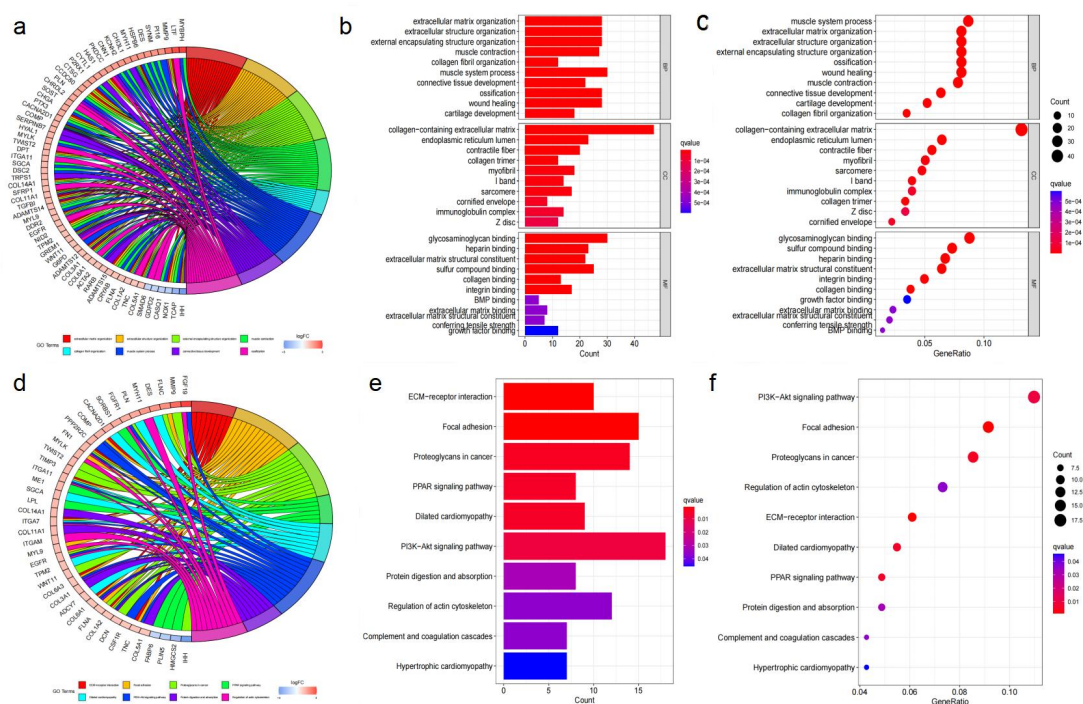


Figure S1 Fatty acid metabolism gene GO and KEGG enrichment pathway

(a) Functional enrichment analysis of differentially expressed fatty acid metabolism GO .(b) Functional enrichment bar graph of differentially expressed fatty acid metabolism GO: red: high enrichment; blue: low enrichment. (c) Bubble Diagram of Differential Expression Fatty Acid Metabolic GO Function Enrichment Pathway. red: high enrichment; blue: low enrichment. (d)KEGG enrichment analysis of differentially expressed genes in bladder cancer. (e) KEGG enrichment analysis of bladder cancer differential expression gene enrichment function bar graph. red: high enrichment; blue: low enrichment. (f) KEGG enrichment analysis of Bubble Diagram of DEGs enrichment pathway in bladder cancer. red: high enrichment; blue: low enrichment.

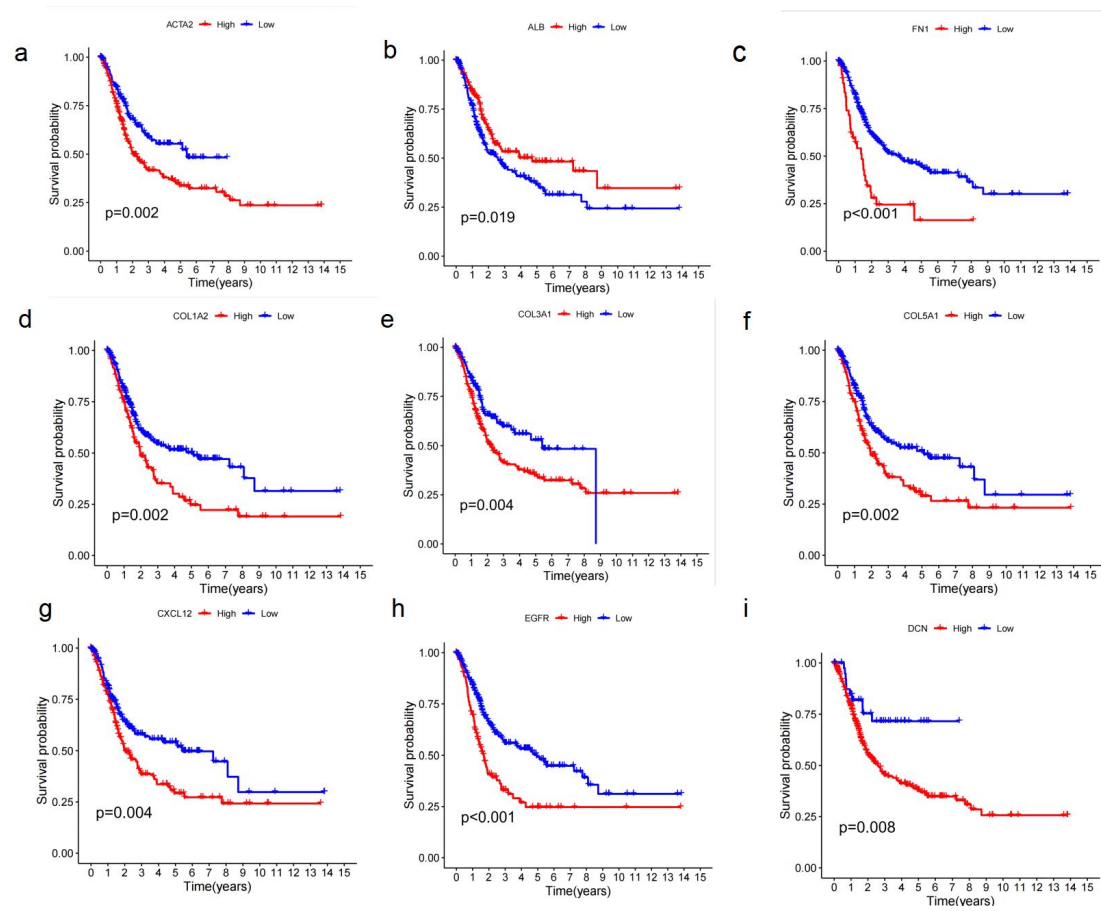


Figure S2 Relationship between single gene expression of fatty acid metabolism gene and survival and prognosis of bladder cancer patients.

The curve between ACTA2(a), ALB(b), FN1(c), COL1A2(d), COL3A1(e), COL5A1(f), CXCL12(g), DCN(h), and EGFR(i) expression and survival rate of bladder cancer patients: blue: low expression; Red: High expression.

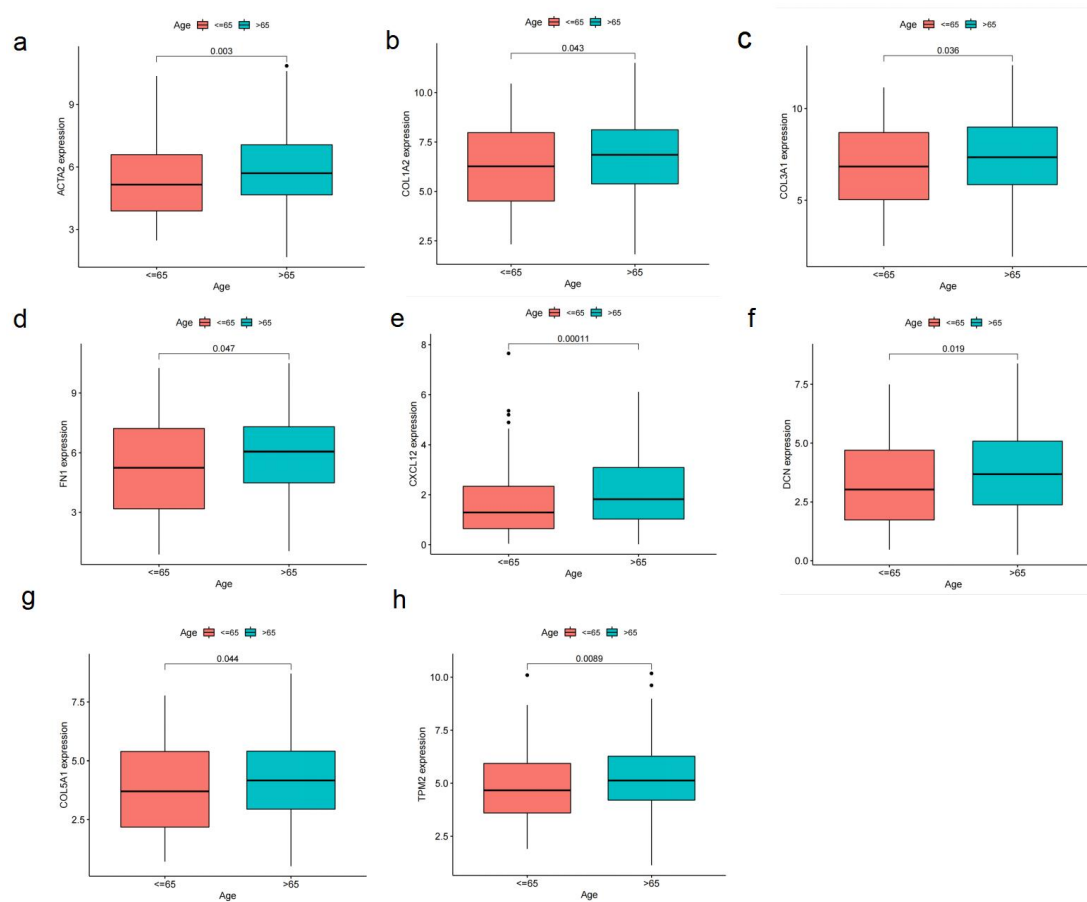


Figure S3 Single gene expression of fatty acid metabolism gene and clinical characteristics of bladder cancer patients: correlation with age.

Clinical characteristics of bladder cancer patients: the relationship between age and single gene: ACTA2(a), COL1A2(b), COL3A1(c), FN1(d), CXCL12(e), DCN(f), COL5A1(g), and TPM2(h) expression. red: old age (> 65); blue: young (≤ 65)

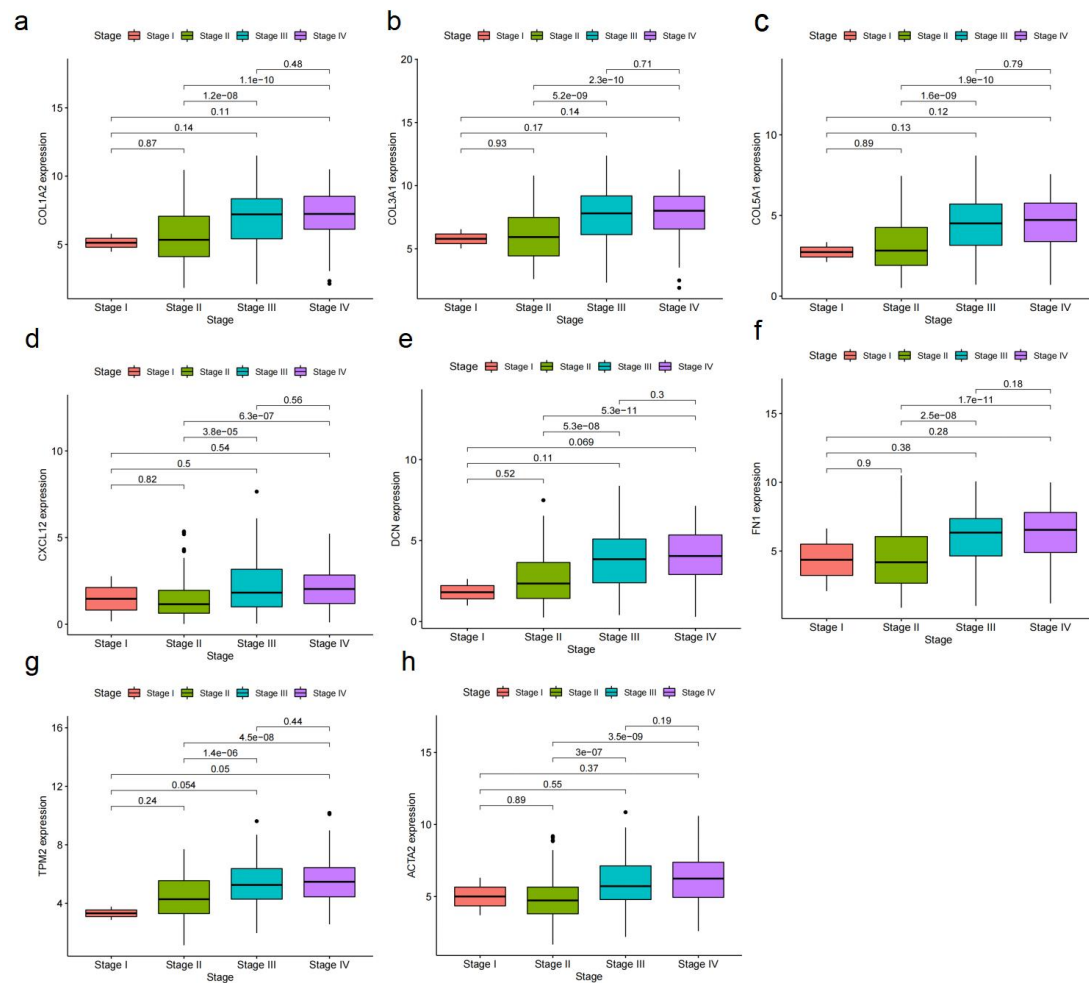


Figure S4 Single gene expression of fatty acid metabolism gene and clinical characteristics of bladder cancer patients: correlation with stage.

Clinical characteristics of bladder cancer patients: relationship between stage and single gene: COL1A2(a), COL3A1(b), COL5A1(c), CXCL12(d), DCN(e), FN1(f), TPM2(g), and ACTA2(h) expression. red: Stage 1; green: Stage 2; blue: Stage 3; purple: Stage 4.

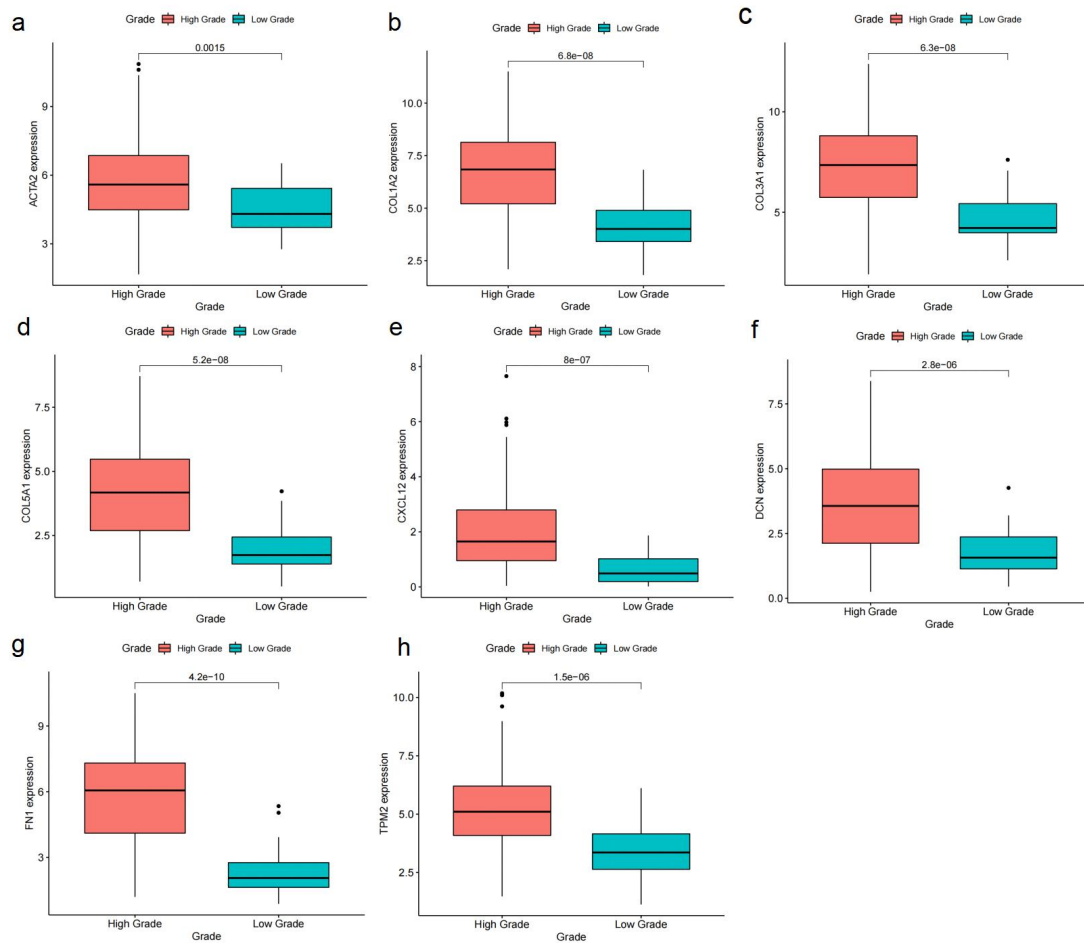


Figure S5 Single gene expression of fatty acid metabolism gene and clinical characteristics of bladder cancer patients: correlation with grade.

Clinical characteristics of bladder cancer patients: relationship between grade and single gene: ACTA2 (a), COL1A2(b), COL3A1(c), COL5A1(d), CXCL12(e), DCN(f), FN1(g), and TPM2(h) expression. red: high Grade; blue: low Grade.