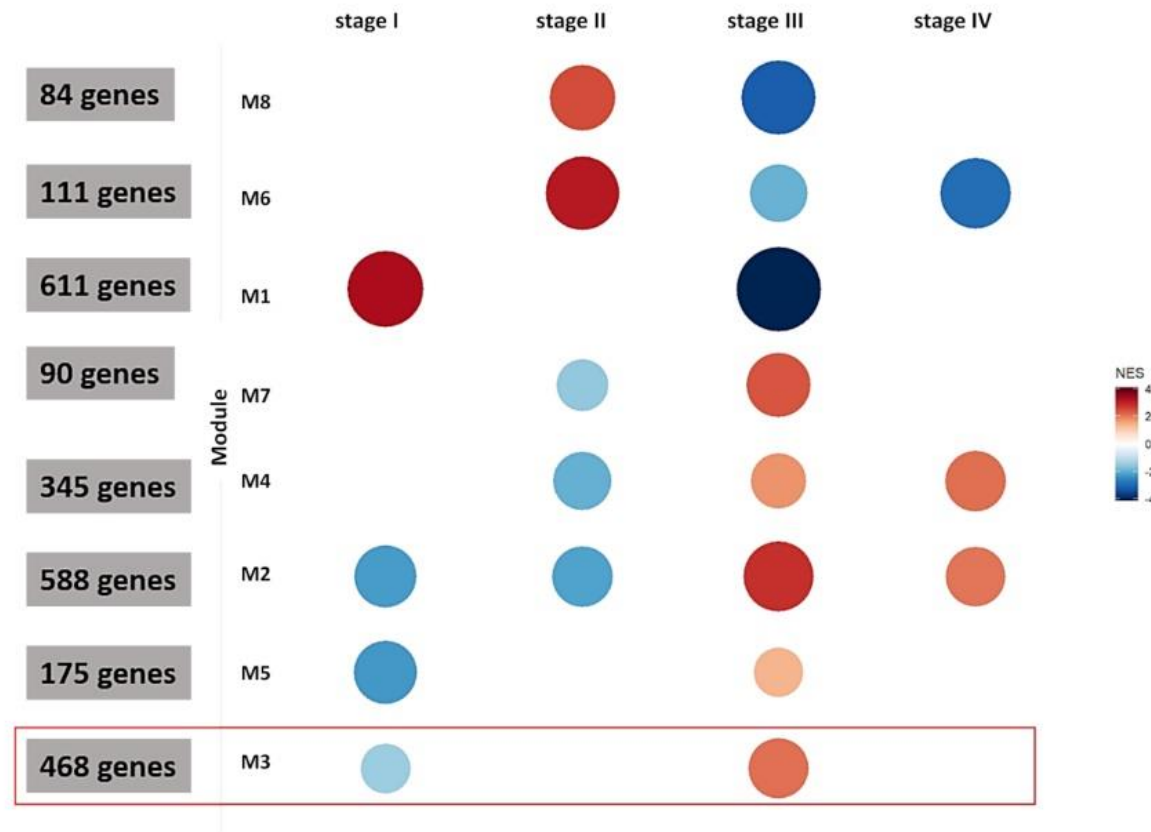
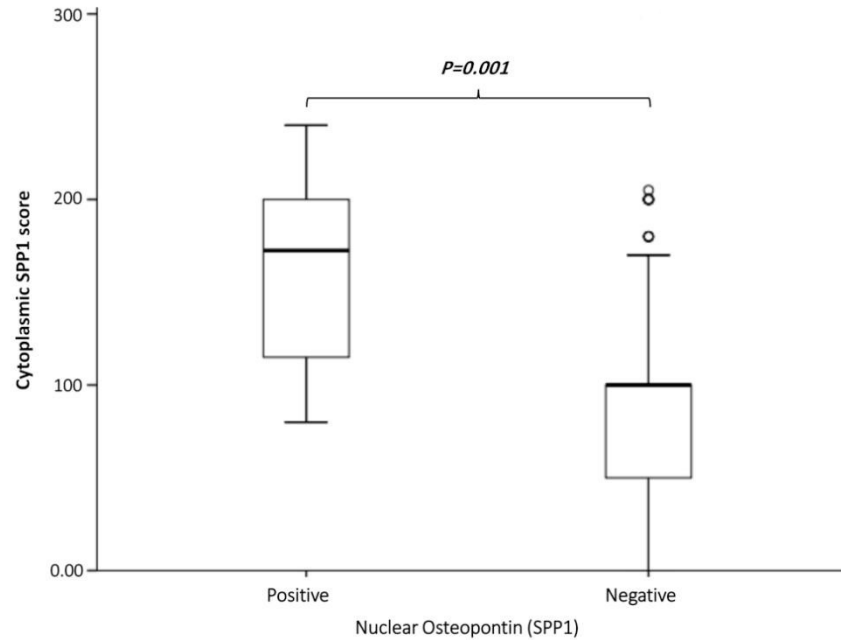


Supplementary figure 1



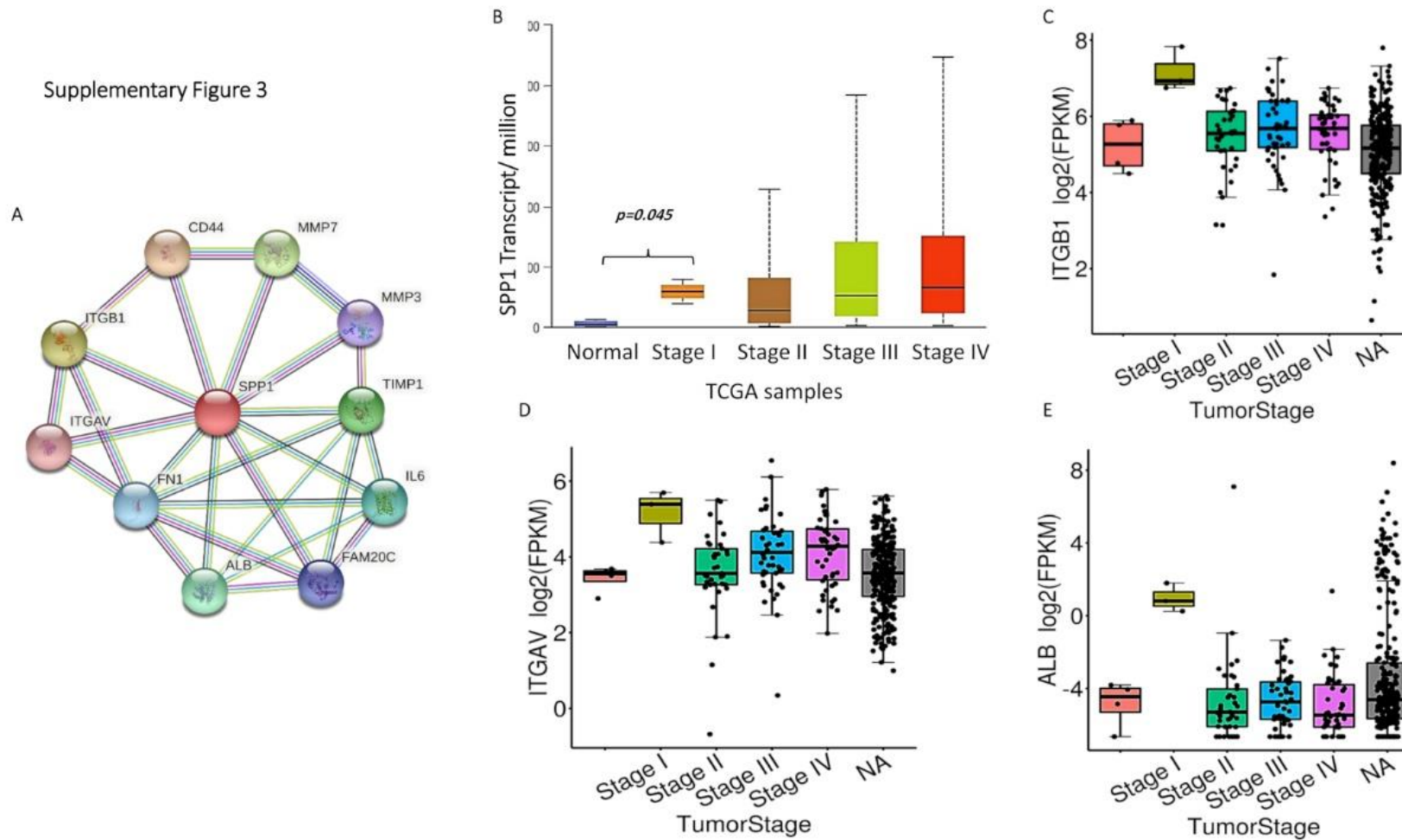
Supplementary figure S1: Module set enrichment. Using a bioconductor package for gene co-expression module identification, CEMiTool, we obtained 8 co-expression modules. SPP1 belongs to module 3 containing 468 genes.

Supplementary Figure 2



Supplementary figure S2: Box plot analysis. The staining scores for cytoplasmic SPP1 were plotted for the tumors that exhibit positive or negative nuclear SPP1 staining. Significant difference of the median scores was found ($p = 0.001$).

Supplementary Figure 3



Supplementary figure S3: Functional interaction of SPP1 in bladder cancer. (A) Predicted protein-protein interaction network for SPP1 as illustrated in the STRING database. Box plots determining the correlation between the expressions of SPP1-interacting proteins: SPP1 (B), integrin beta ITGB1 (C), integrin alpha ITGAV (D) and albumin ALB (E) based on different stages of bladder cancer development. Data was explored in TCGA-BLCA project using UALCAN database.