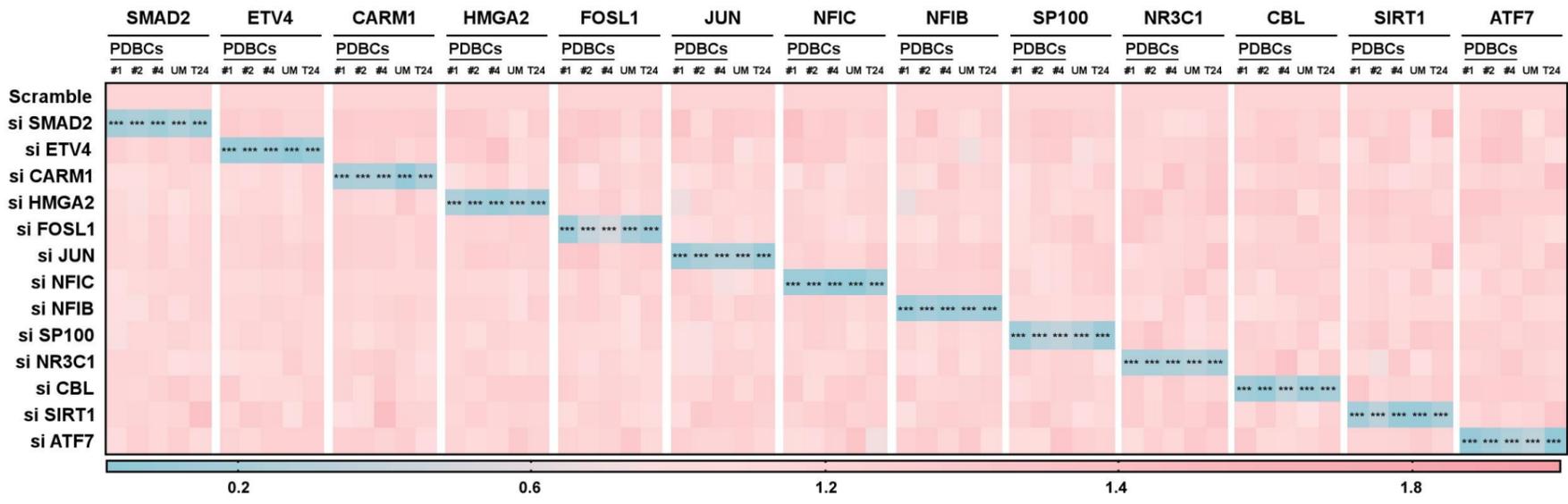


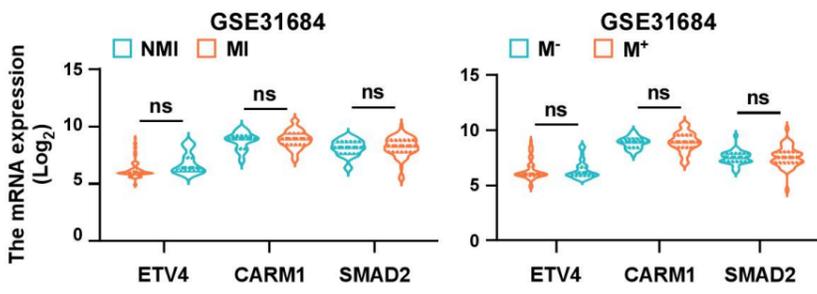
Supplementary Fig. S5. Upregulated TGFβ3 and TβRI was significantly correlated with OS and RFS of bladder cancer patients. (a) Real-time PCR analysis of the mRNA expression of *RNAPII*, *SMAD2*, *ETV4*, *CARMI*, *PAF1*, *CTR9*, *MRPS27*, *HSF1* and *NF1* in the indicated PDBC. *GAPDH* served as the loading control. (b) The mRNA expression of *SMAD2*, *ETV4*, *CARMI* and *PAF1* in MIBC (n = 78) versus NMIBC (n = 15) tissues, metastatic-bladder cancer (M⁺/BLCA, n = 47) versus non-metastatic bladder cancer tissues (M⁻/BLCA, n = 35) based on GSE31684 datasets. (c) Elevated expression of *TGFβ3* and *TGFR1* mRNA in MIBC (n = 78) and metastatic-bladder cancer (M⁺/BLCA, n = 47) compared to NMIBC (n = 15) and non-metastatic bladder cancer tissues (M⁻/BLCA, n = 35) based on GSE31684 datasets, respectively. (d-f) Kaplan–Meier survival analysis of the correlation of *TGFβ3* and *TGFR1* mRNA level with the overall, and metastasis-free survival in bladder cancer patients according to the datasets TCGA-BLCA, GSE13507 and GSE48075. (g) IB analysis of TGFβ3 expression in the bladder cancer cell lines (left) and NMI-PDBC or MI-PDBC cells (right). *GAPDH* served as the loading control. Each error bar in a, h, i, k and e represents the mean ± SD of three independent experiments. Statistical analysis was performed using unpaired two-tailed t tests for (a-c) and Kaplan–Meier method for (d-f). **P* < 0.05; ***P* < 0.01; ****P* < 0.001; ns, not significant.

Supplementary Fig. S5

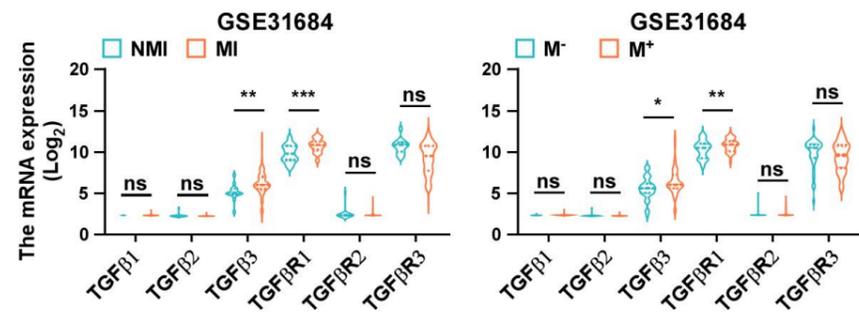
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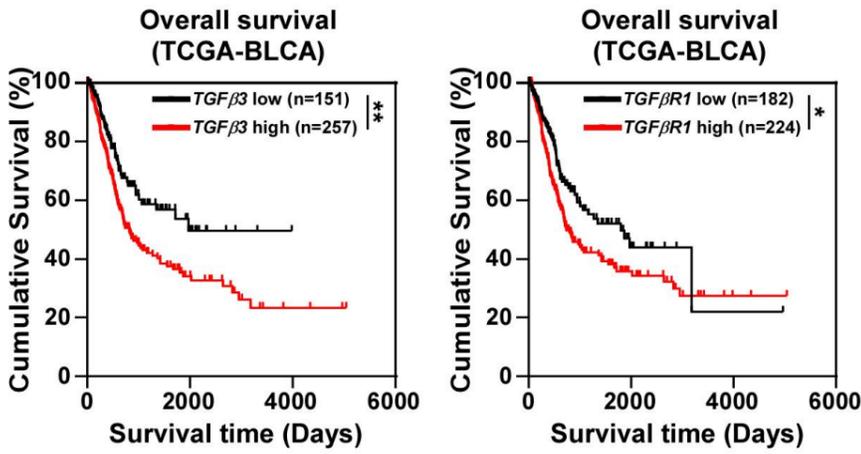
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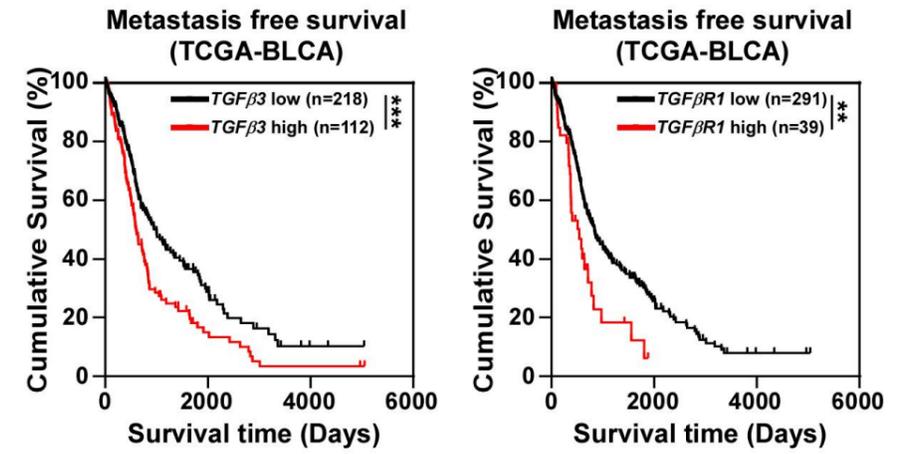
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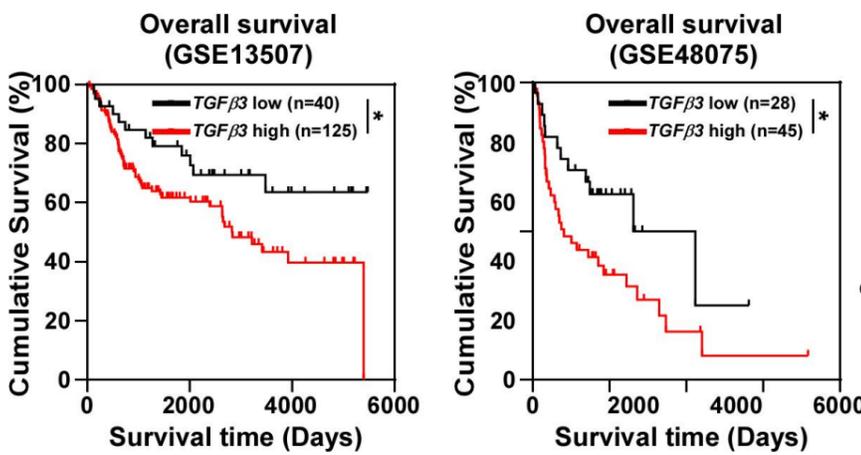
d



e



f



g

