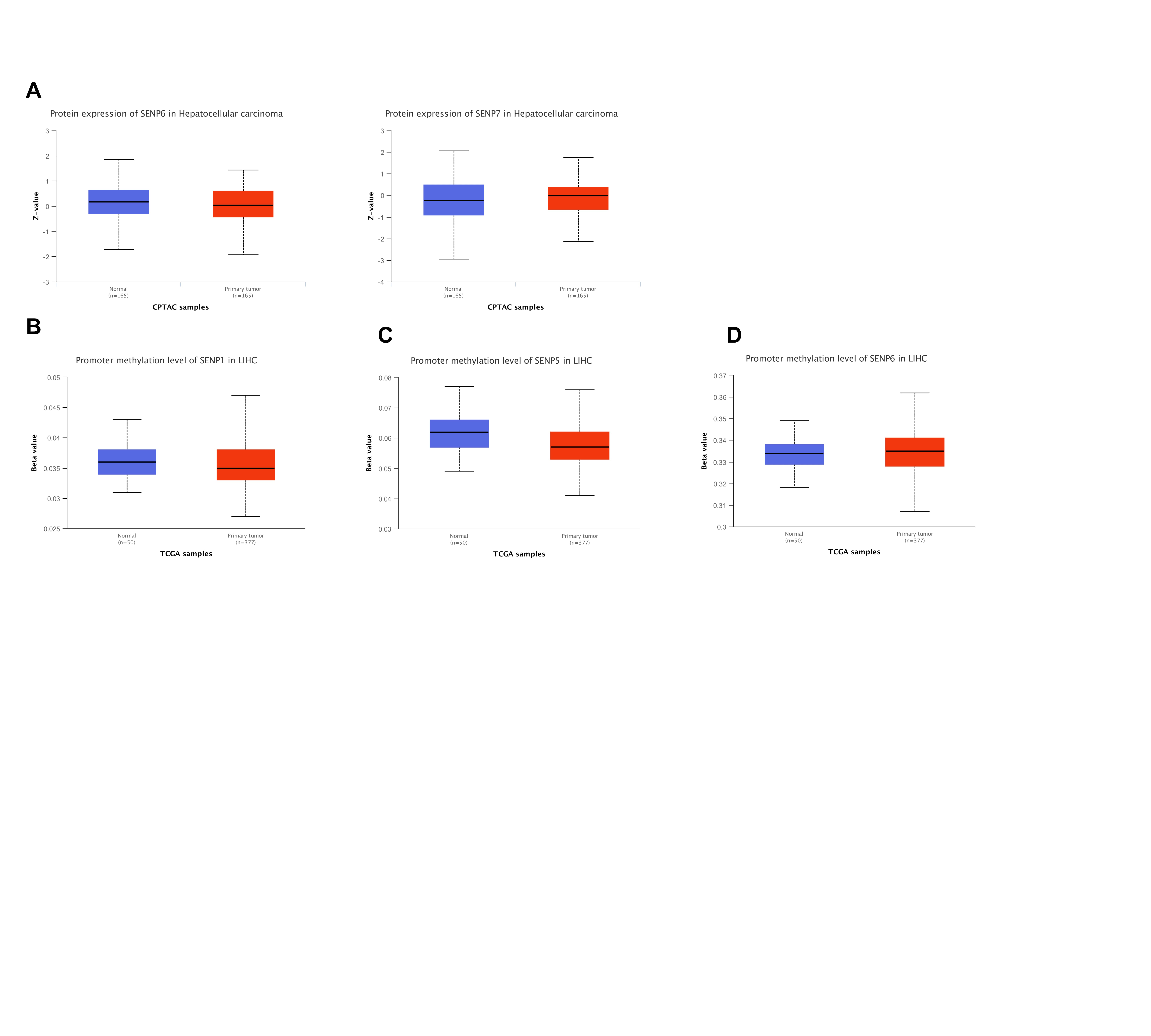
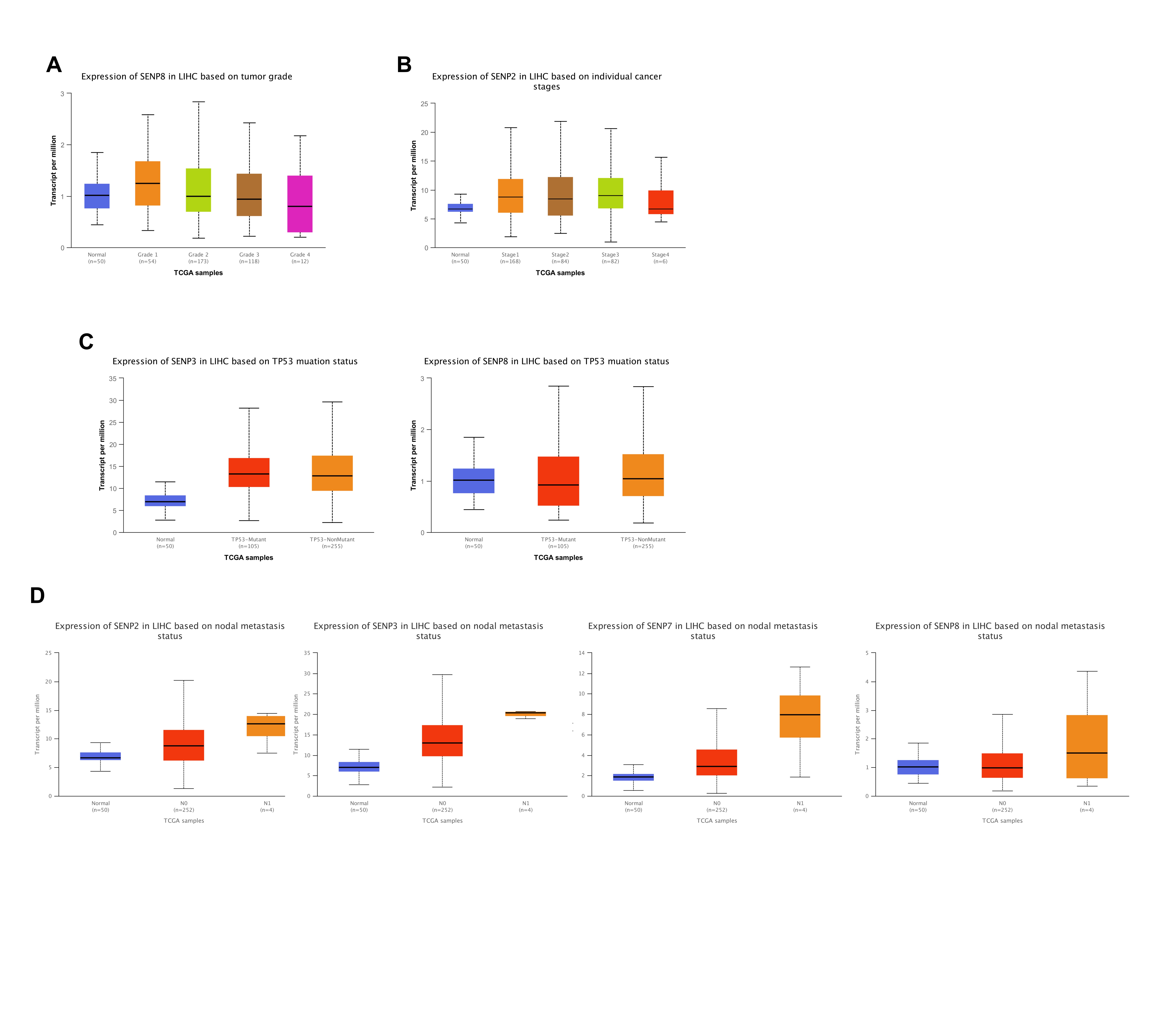
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**Supplementary Figure S1**  (A) Protein expression levels of SENP family members in liver hepatocellular carcinoma and adjacent normal tissues.(B) SENP1 promoter methylation level. (C) SENP5 promoter methylation level. (D) SENP6 promoter methylation level.

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**Supplementary Figure S2** (A) The expression of SENPs in liver cancer patients of different grades.(B) The expression of SENPs in liver cancer patients of different stages.(C) The expression of SENPs in LIHC based on TP53 mutation status. (D) The expression of SENPs in LIHC based on nodal metastasis status.