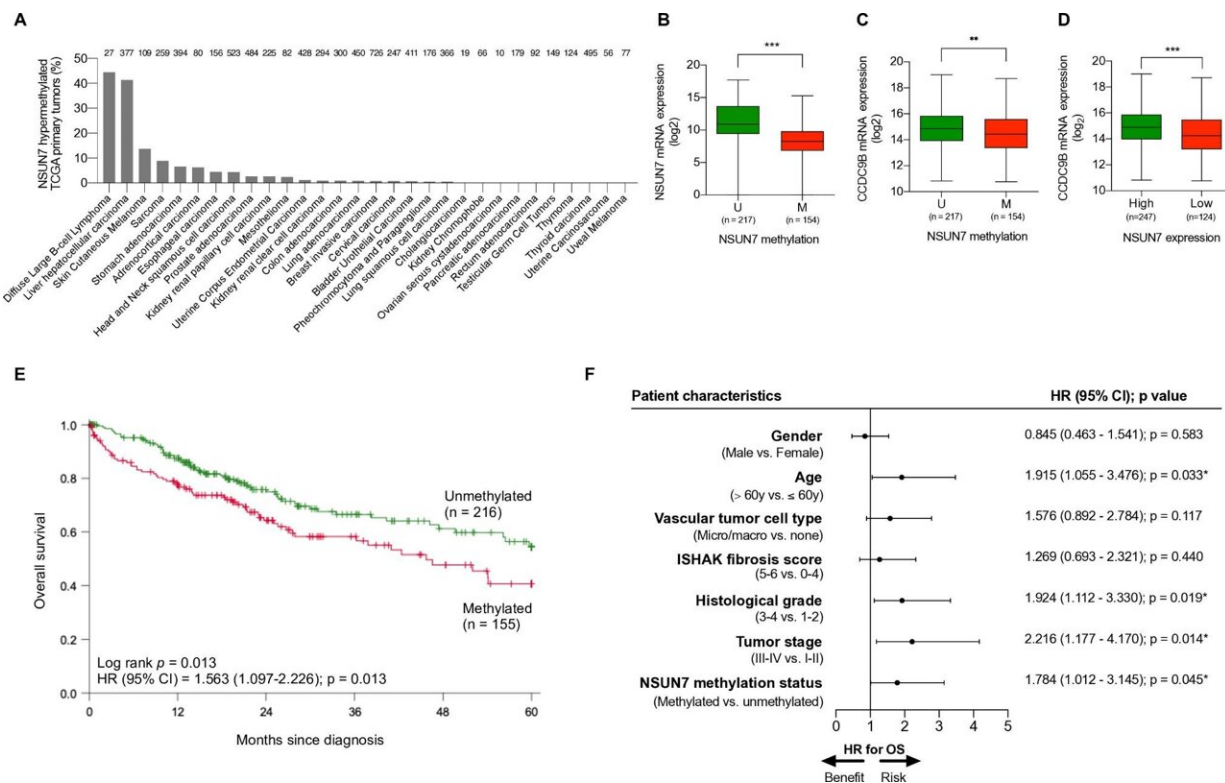


Epigenetic mechanism associated with clinical outcome and therapeutic vulnerability in liver cancer

May 16 2023



NSUN7 epigenetic loss occurs in human primary HCC tumors in association with worse clinical outcome. (A) Percentage of NSUN7 methylation in the TCGA data set of primary tumors according to cancer type. (B) NSUN7 methylation is inversely correlated with NSUN7 transcript expression in TCGA HCC tumors. (C) NSUN7 methylation is associated with decreased CCDC9B transcript levels in primary TCGA HCC tumors. (D) Low expression of the NSUN7 mRNA is associated with decreased CCDC9B transcript levels in

primary TCGA HCC tumors. (E) Kaplan–Meier analysis of overall survival (OS) in the TCGA liver cancer cohort with respect to NSUN7 methylation status. Significance of the log-rank test is shown. Results of the univariate Cox regression analysis are represented by the hazards ratio (HR) and 95% confidence interval (95% CI). (F) Forest plot of the multivariable Cox regression analysis for clinical outcome in the TCGA liver cohort studied for NSUN7 methylation status taking into account different prognostic factors. P-values correspond to hazard ratios (HR), with a 95% CI, associated with OS. Co-variables with associated p-value under 0.05 were considered as independent prognostic factor (*p

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