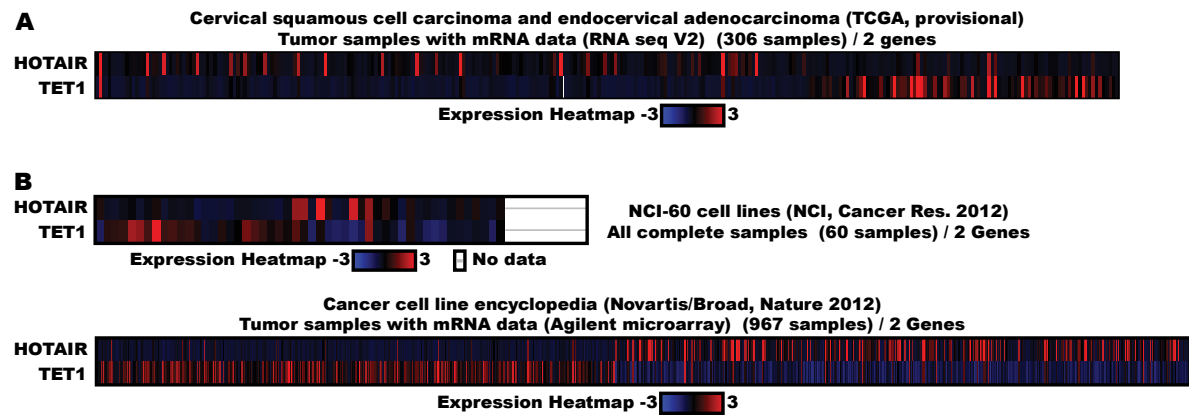


## **Supplemental Material**

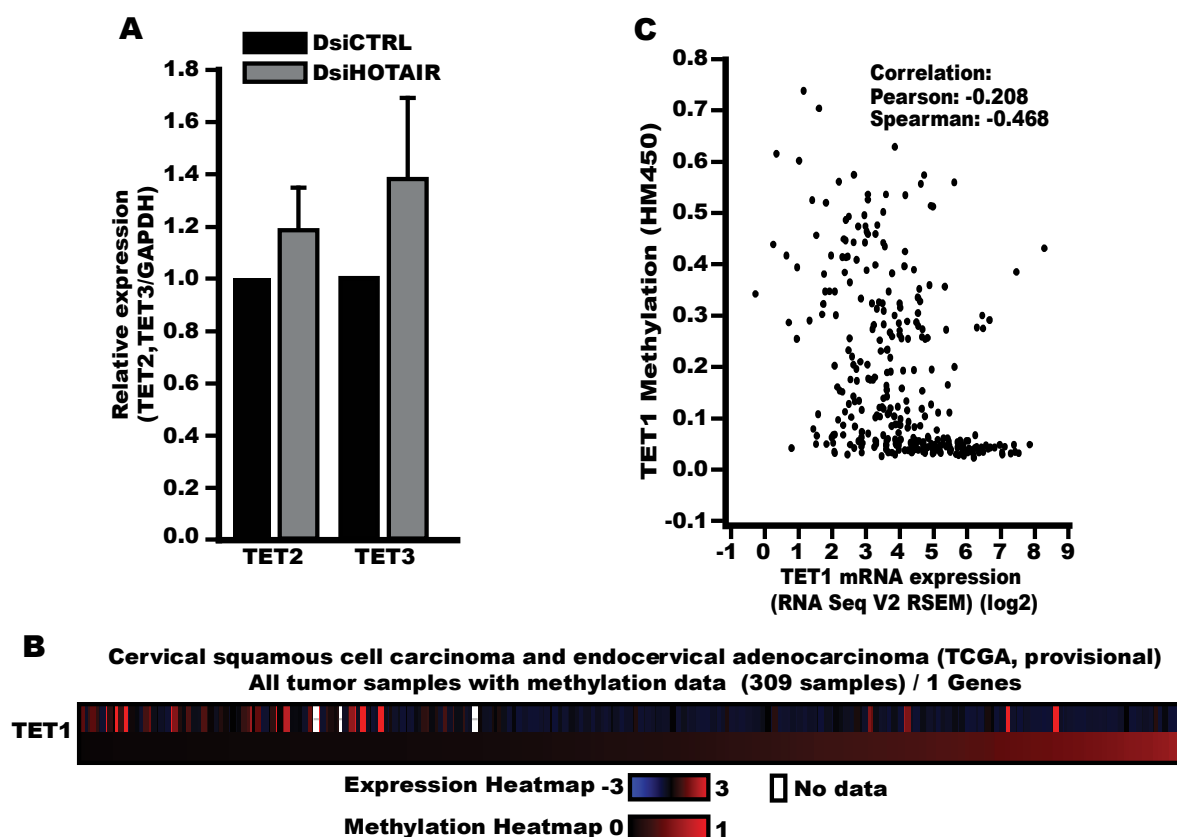
# **HOTAIR Knockdown Decreased the Activity Wnt/ $\beta$ -Catenin Signaling Pathway and Increased the mRNA Levels of Its Negative Regulators in Hela Cells**

Eric Genaro Salmerón-Bárcenas<sup>a,b</sup> Berenice Illades-Aguilar<sup>b</sup>  
Oscar del Moral-Hernández<sup>c</sup> Arturo Ortega-Soto<sup>d</sup>  
Daniel Hernández-Sotelo<sup>a</sup>

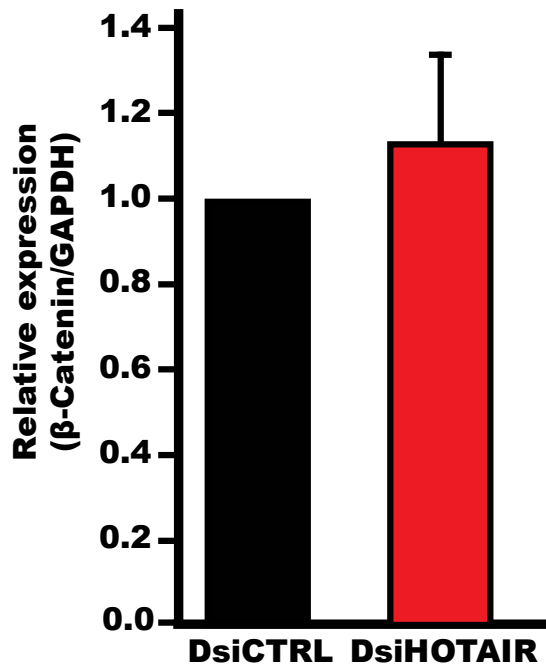
<sup>a</sup>Laboratorio de Epigenética del Cáncer, Facultad de Ciencias Químico Biológicas/Universidad Autónoma de Guerrero, Chilpancingo de los Bravo, México, <sup>b</sup>Laboratorio de Biomedicina Molecular, Facultad de Ciencias Químico Biológicas/Universidad Autónoma de Guerrero, Chilpancingo de los Bravo, México, <sup>c</sup>Laboratorio de Virología del Cáncer, Facultad de Ciencias Químico Biológicas/Universidad Autónoma de Guerrero, Chilpancingo de los Bravo, México, <sup>d</sup>Departamento de Toxicología, Centro de Investigación y de Estudios Avanzados/Instituto Politécnico Nacional, Ciudad de México, México



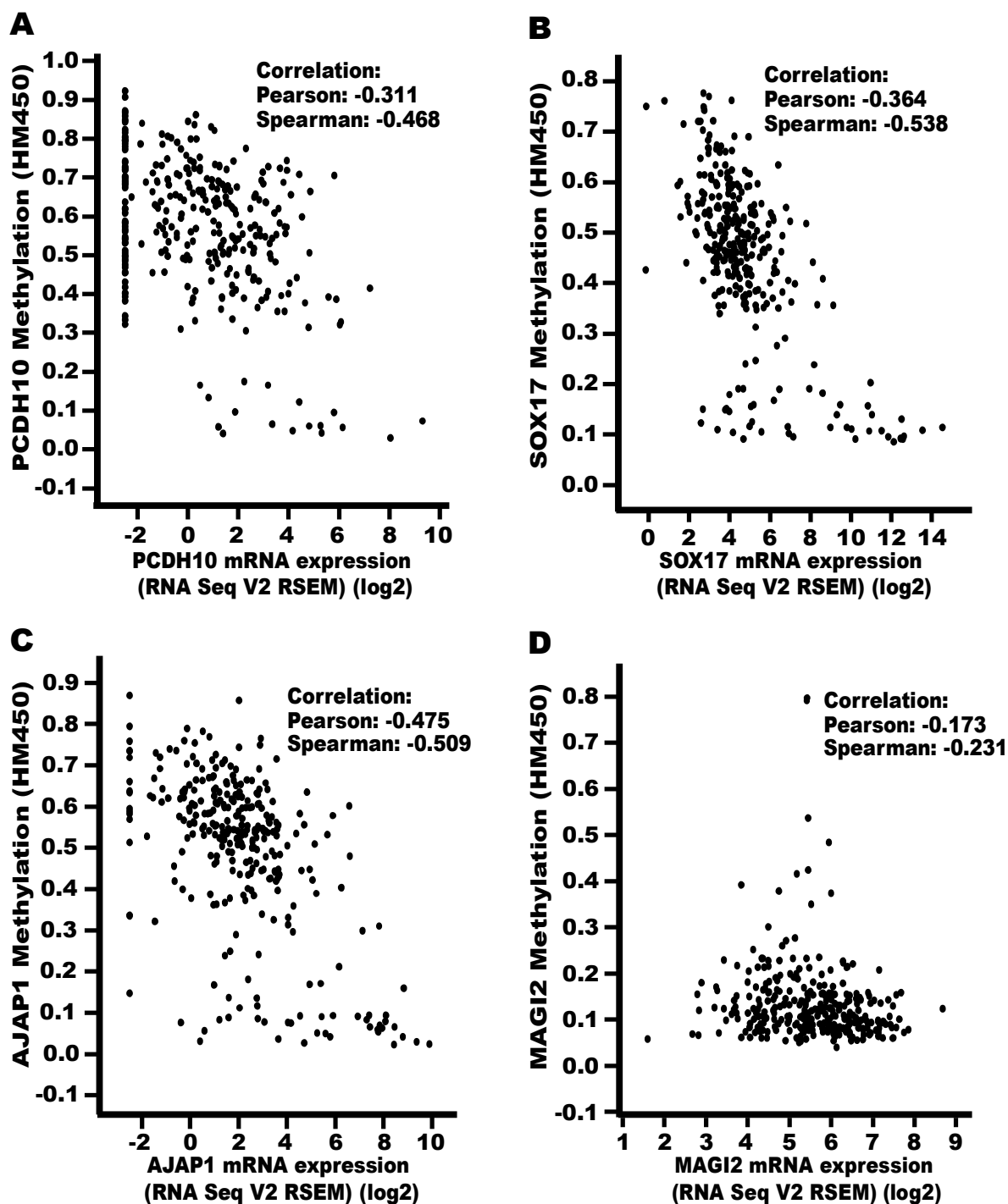
**Fig. S1.** Inverse expression of HOTAIR and TET1 in database. HOTAIR and TET1 expression was analyzed in (A) cervical squamous cell carcinoma and endocervical adenocarcinoma tumor samples (TCGA dataset) and (B) cancer cell lines (Cancer Cell Line Encyclopedia and NCI-60 Cell Lines).



**Fig. S2.** HOTAIR knockdown does not affect TET2 and TET3 expression in HeLa cells. HeLa cells were transiently transfected with DsiCTRL or DsiHOTAIR and 48 hours after the mRNA of TET1 and TET2 was determined by RT-qPCR (A). Expression and methylation of TET1 in cervical squamous cell carcinoma and endocervical adenocarcinoma tumor samples (B) (TCGA dataset). Correlation analysis between expression and methylation of TET1 in cervical squamous cell carcinoma and endocervical adenocarcinoma tumor samples (C) (TCGA dataset). The bars represent the mean  $\pm$  standard deviation from at least three independent experiments. \* $p < 0.05$



**Fig. S3.** HOTAIR knockdown does not affect  $\beta$ -catenin expression in HeLa cells. HeLa cells were transiently transfected with DsiCTRL or DsiHOTAIR and 48 hours after the mRNA of  $\beta$ -catenin was determined by RT-qPCR. The bars represent the mean  $\pm$  standard deviation from at least three independent experiments.



**Fig. S4.** Correlation analysis between expression and methylation of negative regulators of Wnt/ $\beta$ -catenin signaling pathway in cervical squamous cell carcinoma and endocervical adenocarcinoma tumor samples (TCGA dataset). Correlation of PCDH10 (A), SOX17 (B), AJAP1 (C) and MAGI2 (D).