



## Supplementary Material

# CPEB3 Targets E-Cadherin mRNAs in a Post-Transcriptional Regulation Manner and Inhibits the Invasiveness of Ovarian Cancer Cells

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### Supplementary Table SI. Main materials and reagents utilized in the research.

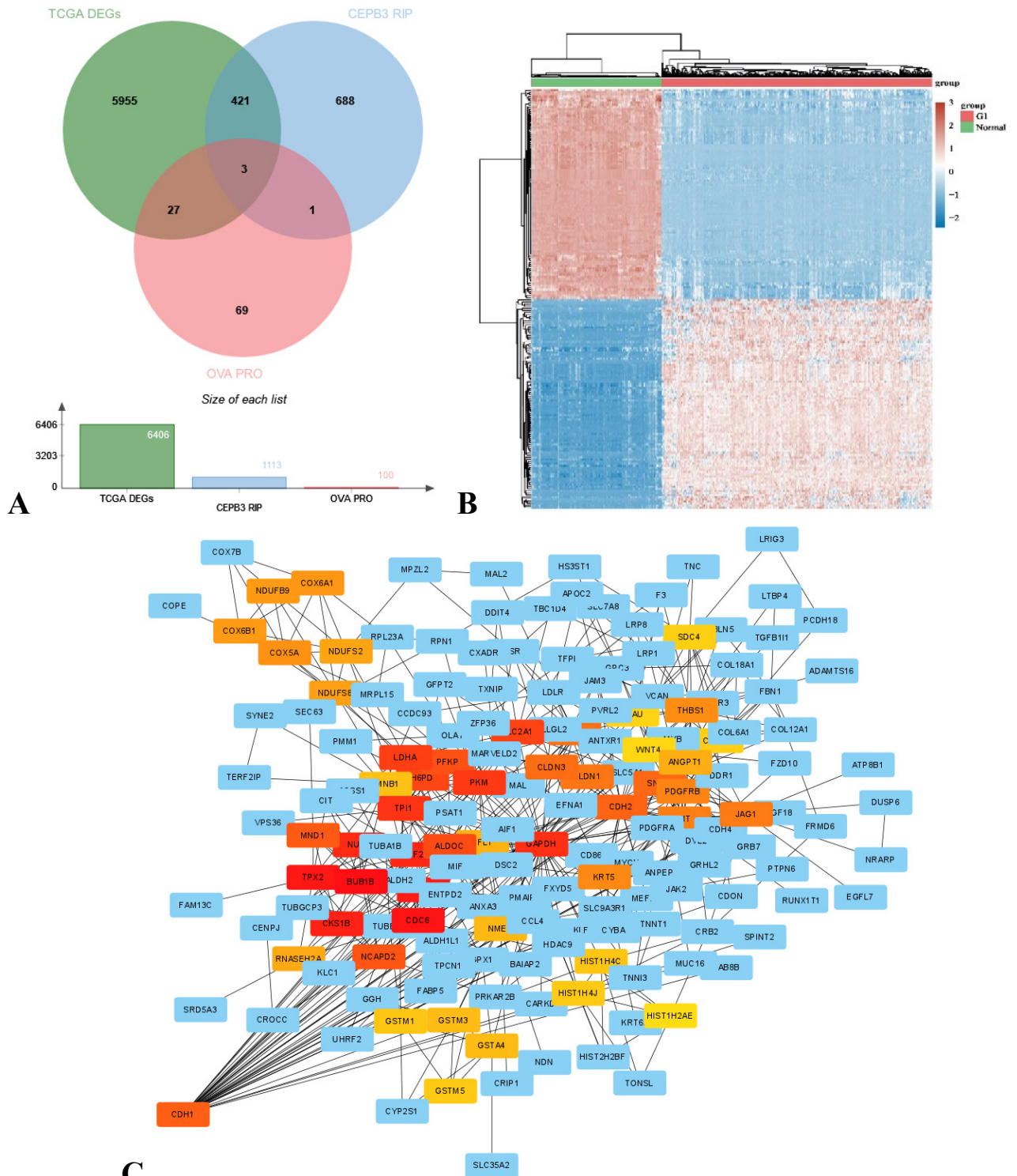
Items	Producers/Sources
Ovarian cancer tissue chip (number ZL-OVA961)	WellBio technology Co., Ltd., Shanghai, China
Human OC cell lines (SK-OV3, A2780, 3AO, and CA-OV3), and normal ovarian epithelial cell line (IOSE80)	Chinese Academy of Sciences, Shanghai, China
10% fetal bovine serum	Gibco, Waltham, MA, USA
CCK-8 assay kit	Lianke Biotech. Co., Ltd., Hangzhou, China
Transwell Matrigel	356234, BD Biosciences, Mississauga, ON, Canada
GAPDH, primary antibodies CPEB3, E-cadherin, EGFR, BCL2, and N-cadherin	Cell Signaling Technology, Beverly, MA, USA
CPEB3 (ab10883) and secondary goat anti-rabbit antibody (ab6721)	Abcam, Cambridge, MA, USA
Green fluorescent protein (GFP)	Gene Chem Co., Ltd., Shanghai, China
siRNA particles	Guangzhou Ruibo Co., Ltd., Guangzhou, China
Lipofectamine 2000	Thermo Fisher Scientific, Waltham, MA, USA
EZ-Magna RIP kit and IgG antibody	Millipore, Billerica, MA, USA
Female nude mice (3-4 weeks old)	Vital River Laboratory Animal Technology Co., Ltd., Beijing, China

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Supplementary Figure S1. Data set analysis of *CPEB3* regulatory network in ovarian cancer.

**A**, Venn diagram illustrating the differentially expressed genes (DEGs) related to *CPEB3* in ovarian cancer. **B**, Heatmaps of DEGs (G1: cancer tissues from TCGA database; Normal: normal ovarian tissue from GTex database). **C**, Core gene set based on 424 genes were analyzed using cytoHubba in Cytoscape software. Color gradient of nodes indicate the degree of the proteins.