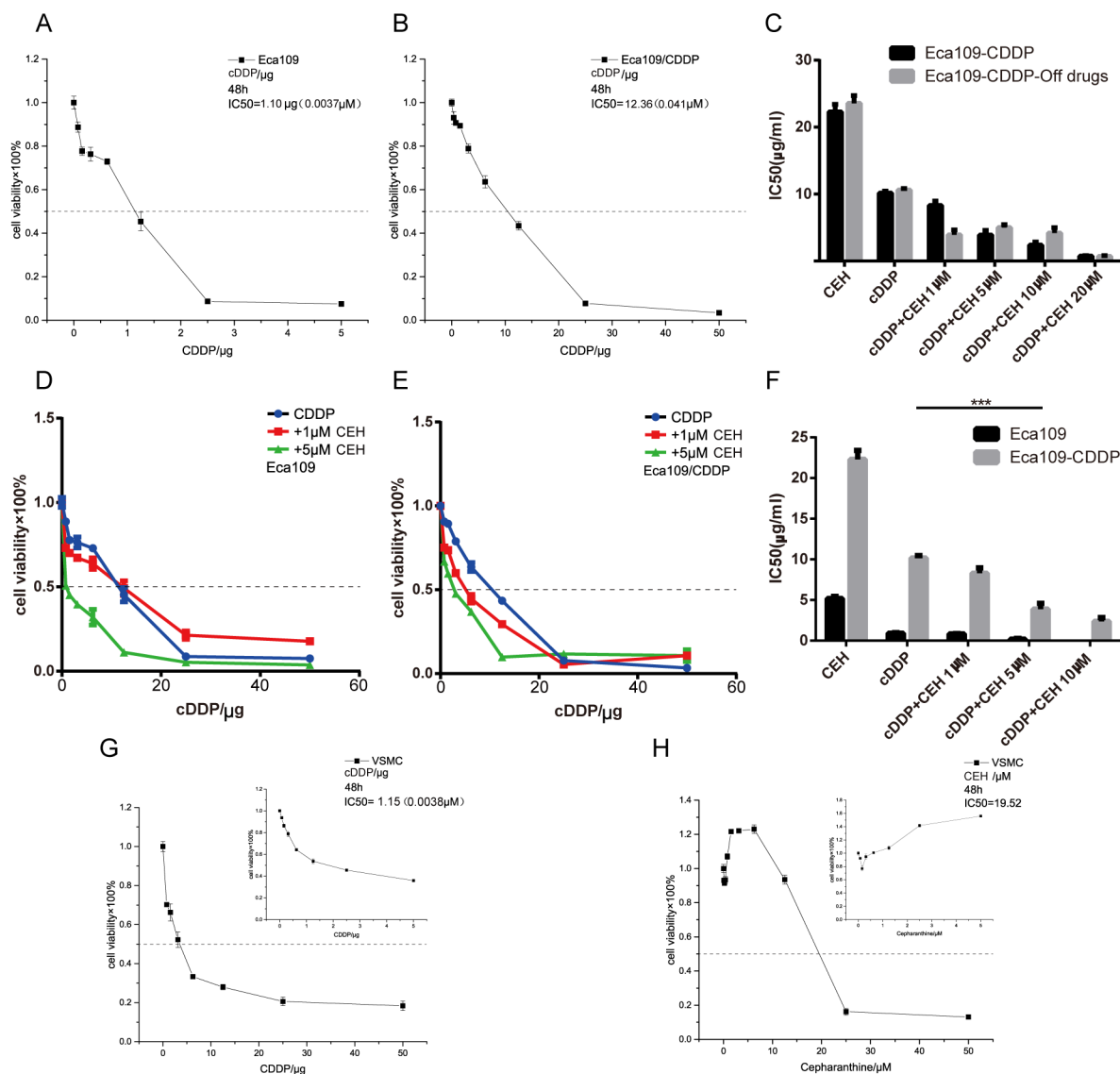


Cepharanthine hydrochloride reverses the *mdr1* (P-glycoprotein)-mediated esophageal squamous cell carcinoma cell cisplatin resistance through JNK and p53 signals

SUPPLEMENTARY MATERIALS



Supplementary Figure 1: (A and B) Effects of cisplatin (cDDP) on the growth of the esophageal squamous cell carcinoma cell lines, Eca109 and Eca109/CDDP. Cells were treated with various concentrations of cDDP for 48 h and cell viability was measured by MTT assay. **(C)** Effect of drug withdrawal on resistance of the resistant cell lines. **(D to F)** The effects of 48 h treatment with cDDP and cDDP combined with various concentrations of cepharanthine hydrochloride (CEH) on the growth of Eca109 and Eca109/CDDP cells (D and E). The half maximal inhibitory concentration (IC₅₀) was quantified (F). **(G and H)** Effects of CEH and cDDP on the growth of the human aortic smooth muscle cells HA-VSMC. Cells were treated with various concentrations of CEH or cDDP for 48 h, and cell viability was measured by MTT assay. All data are presented as the mean \pm SD of three independent experiments. **, $P < 0.01$; ***, $P < 0.001$ compared to the control.