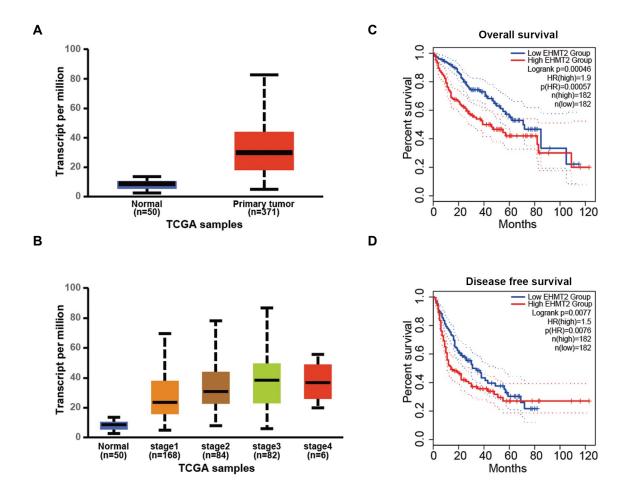


## Supplementary Information for

## High Expression of G9a Induces Cisplatin Resistance in Hepatocellular Carcinoma

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**Fig.S1:** Analysis of the correlation between G9a and hepatocellular carcinoma (HCC) through the public tumor databases. **A.** Analyzing diversity in expression level of G9a (also known as EHMT2) between the normal people and liver cancer patients through the UALCAN tumor database. **B.** Analyzing relationship between G9a expression level and liver cancer staging through the UALCAN tumor database. **C.** Analyzing relationship between G9a expression level and overall survival and **D.** Disease-free survival of liver cancer patients through the GEPIA2 tumor database.

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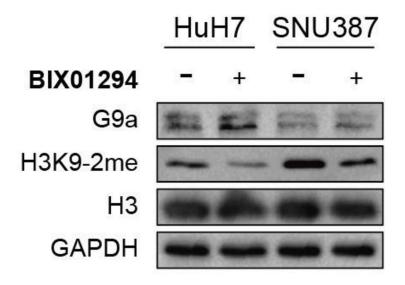
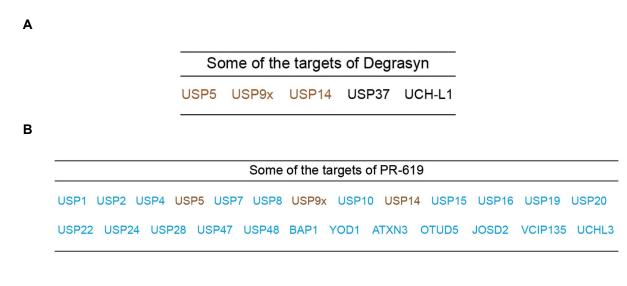
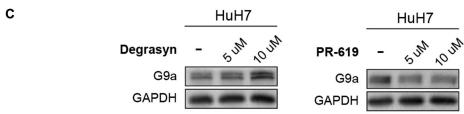


Fig.S2. Western blot analysis of G9a and H3K9me2 protein levels in HuH7 and SNU387 cells treated with BIX-01294.





**Fig.S3:** Preliminary identification of upstream regulatory factors of G9a in HuH7 cells. **A.** Targets of selective deubiquitinase inhibitor Degrasyn. Yellow indicates targets that overlap with PR-619. **B.** Representative targets of the broad-spectrum deubiquitinase inhibitor PR-619. Yellow indicates targets that overlap with Degrasyn. **C.** Western blot analysis of G9a protein levels in HuH7 cells treated with Degrasyn (0, 5, 10 μM) and PR-619 (0, 5, 10 μM) for 24 hours.