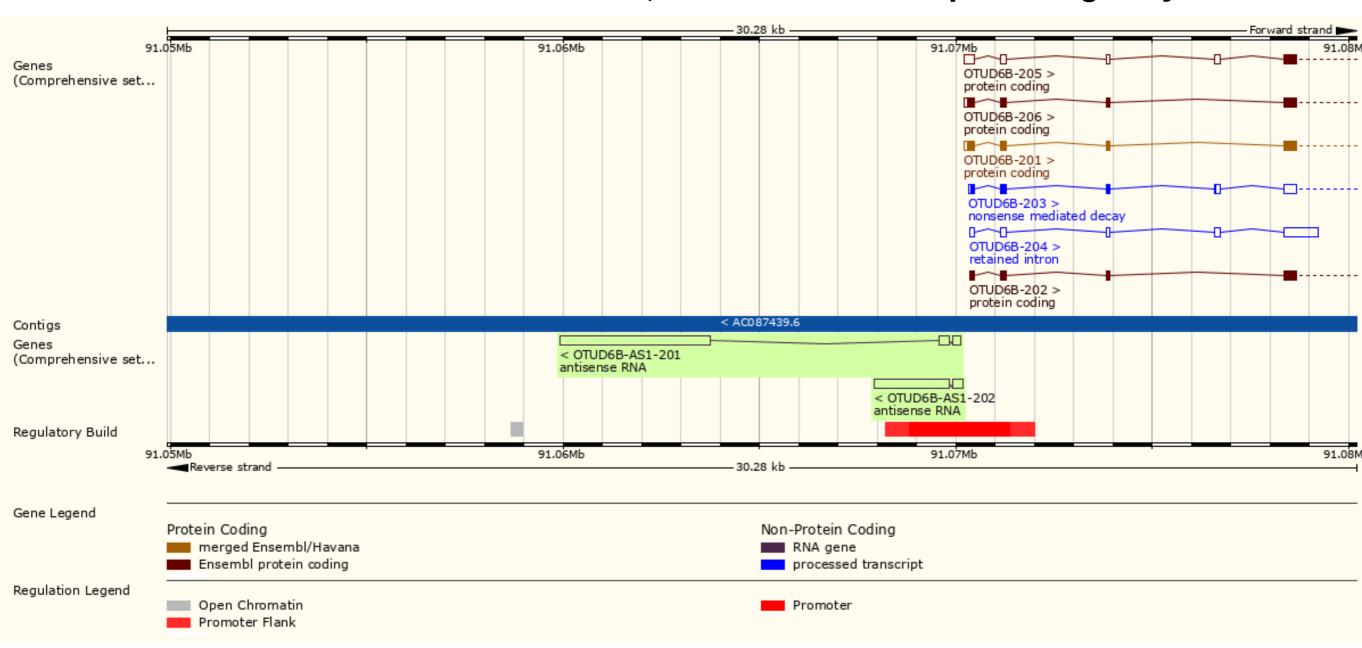
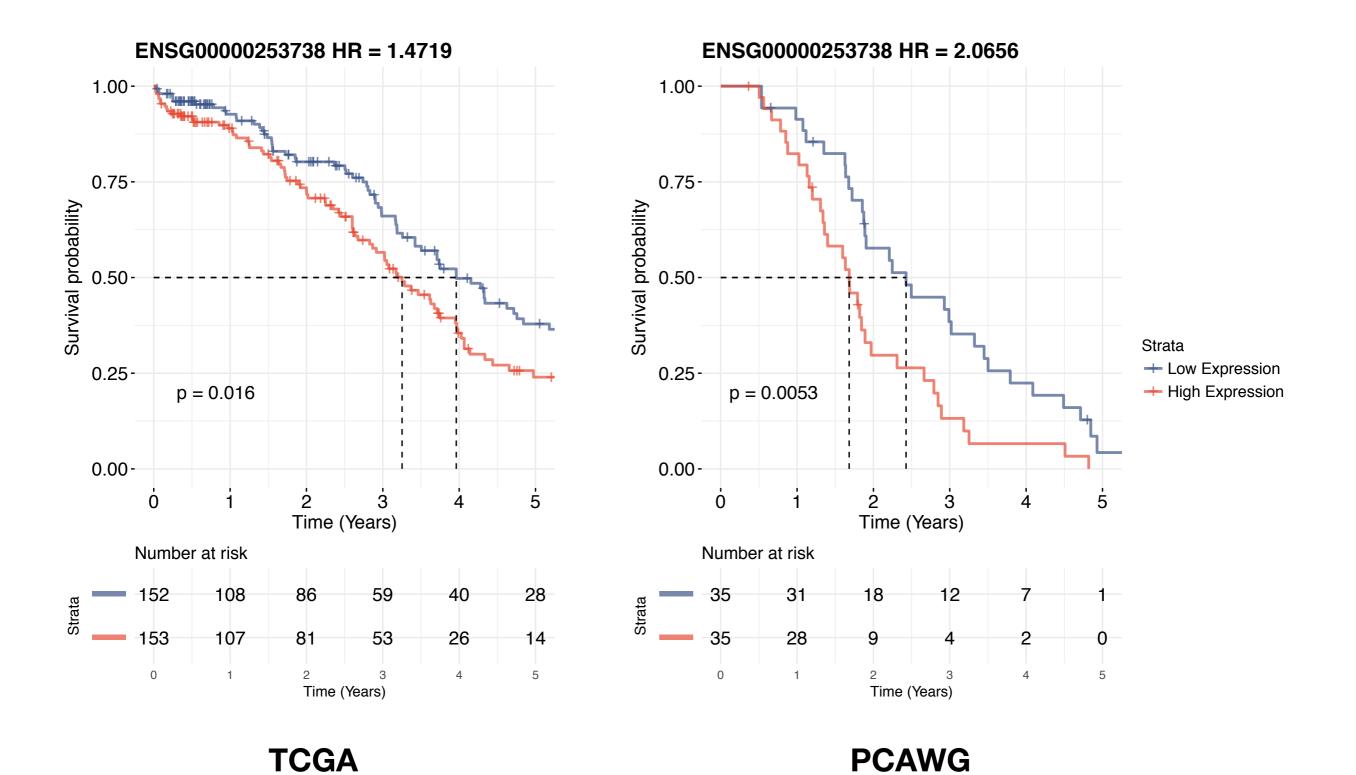
Clinically Relevant IncRNA candidates in four cancers

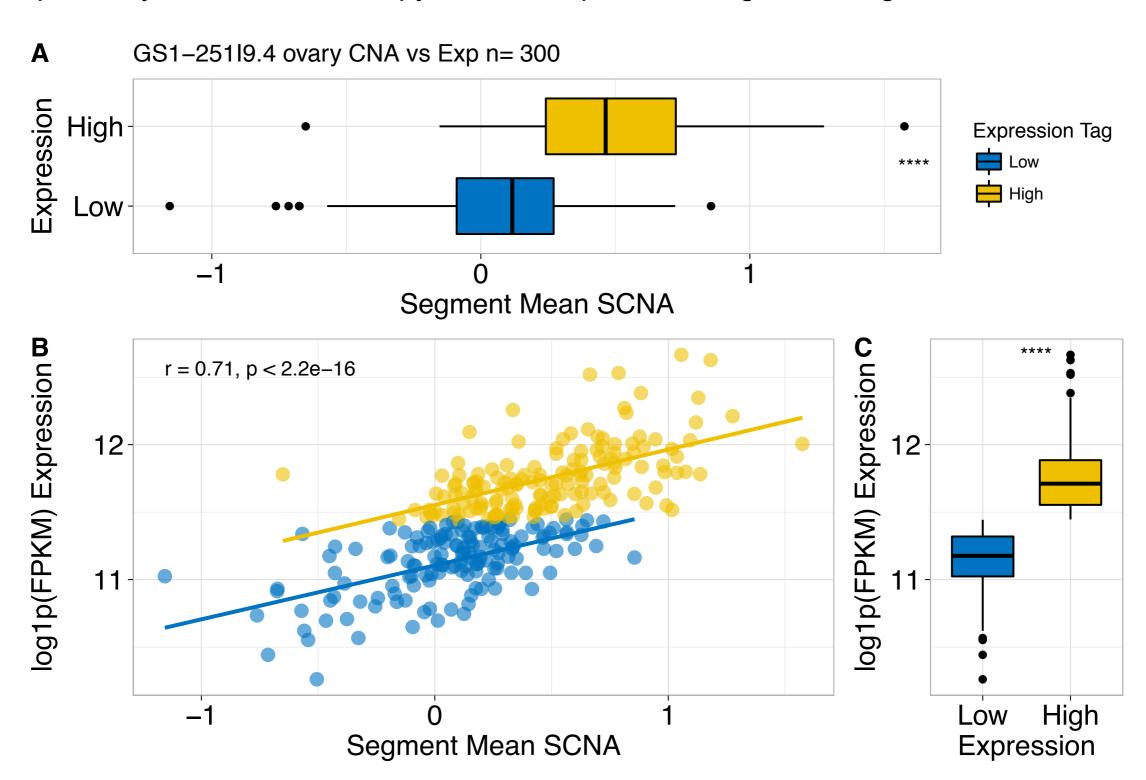
March 28th, 2018

Antisense IncRNA to OTUD6B, a functional deubiquitinating enzyme

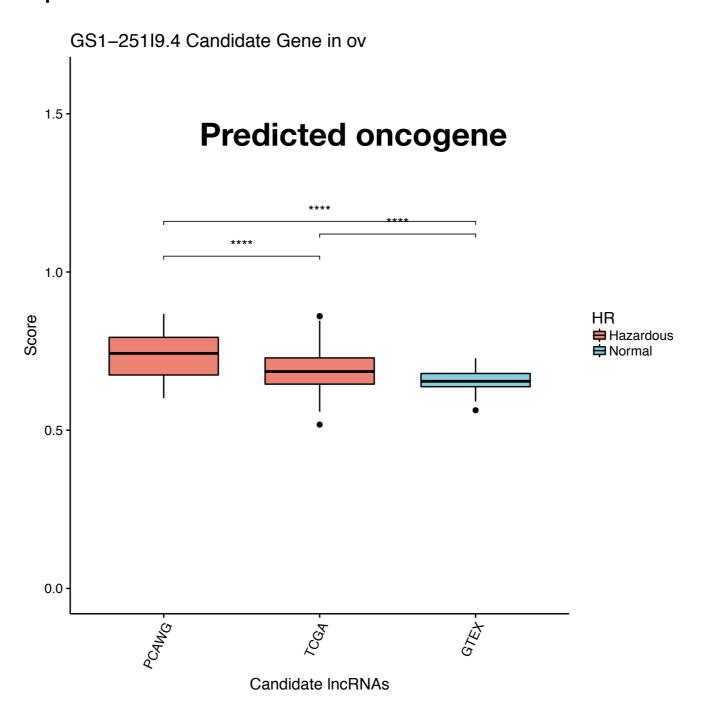


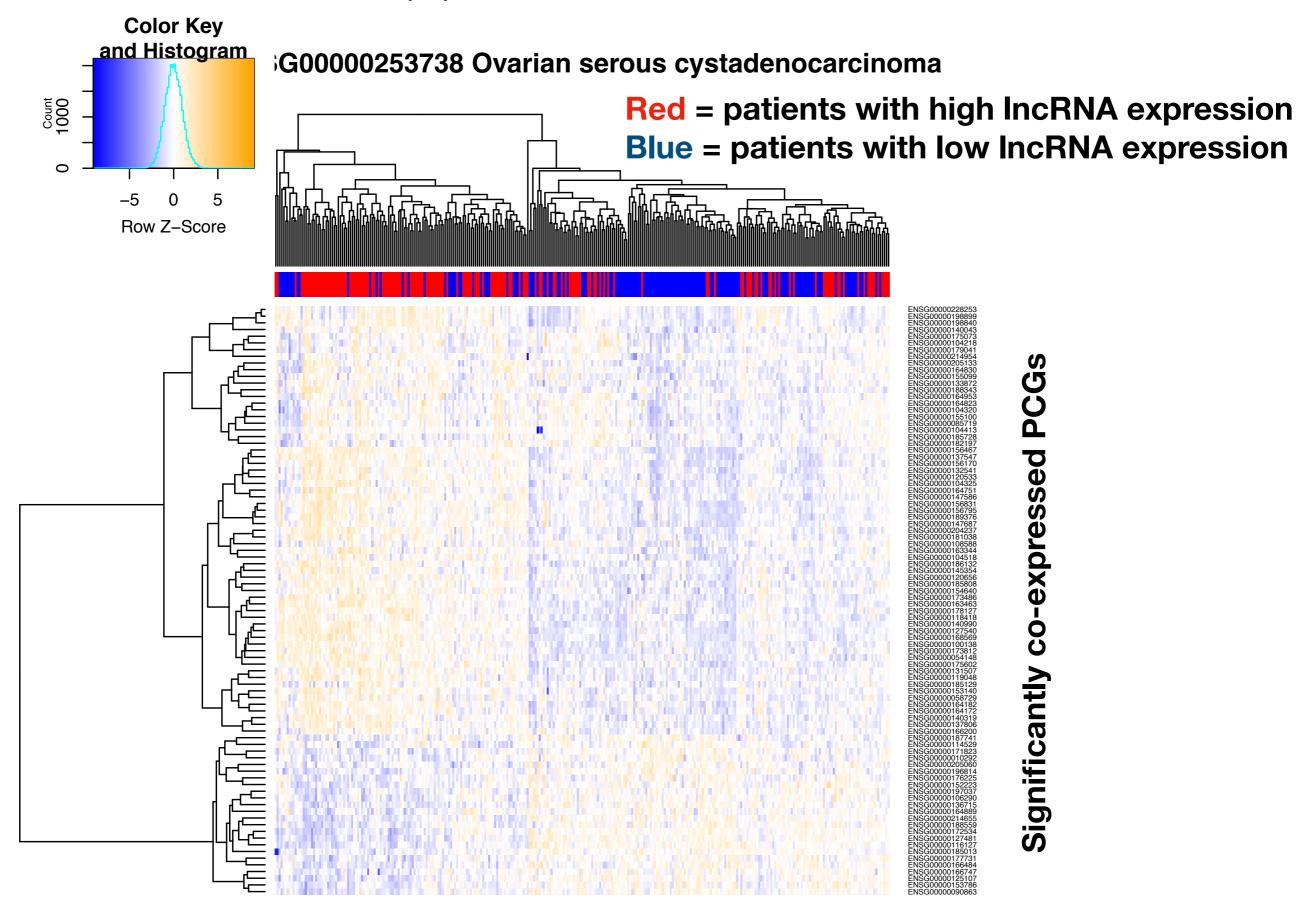


 Too little methylation data to observe any trends however, expression is significantly positively associated with copy number amplification in genomic region

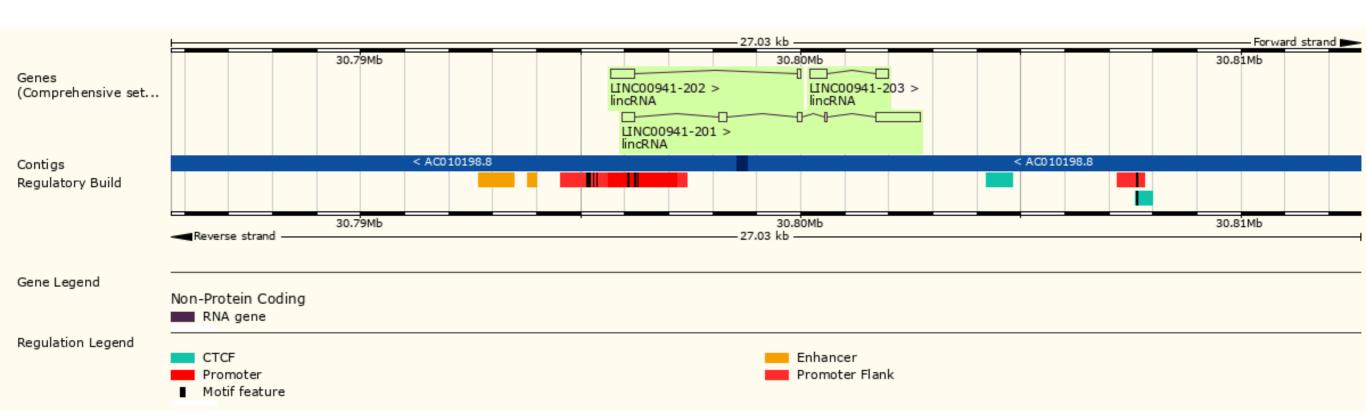


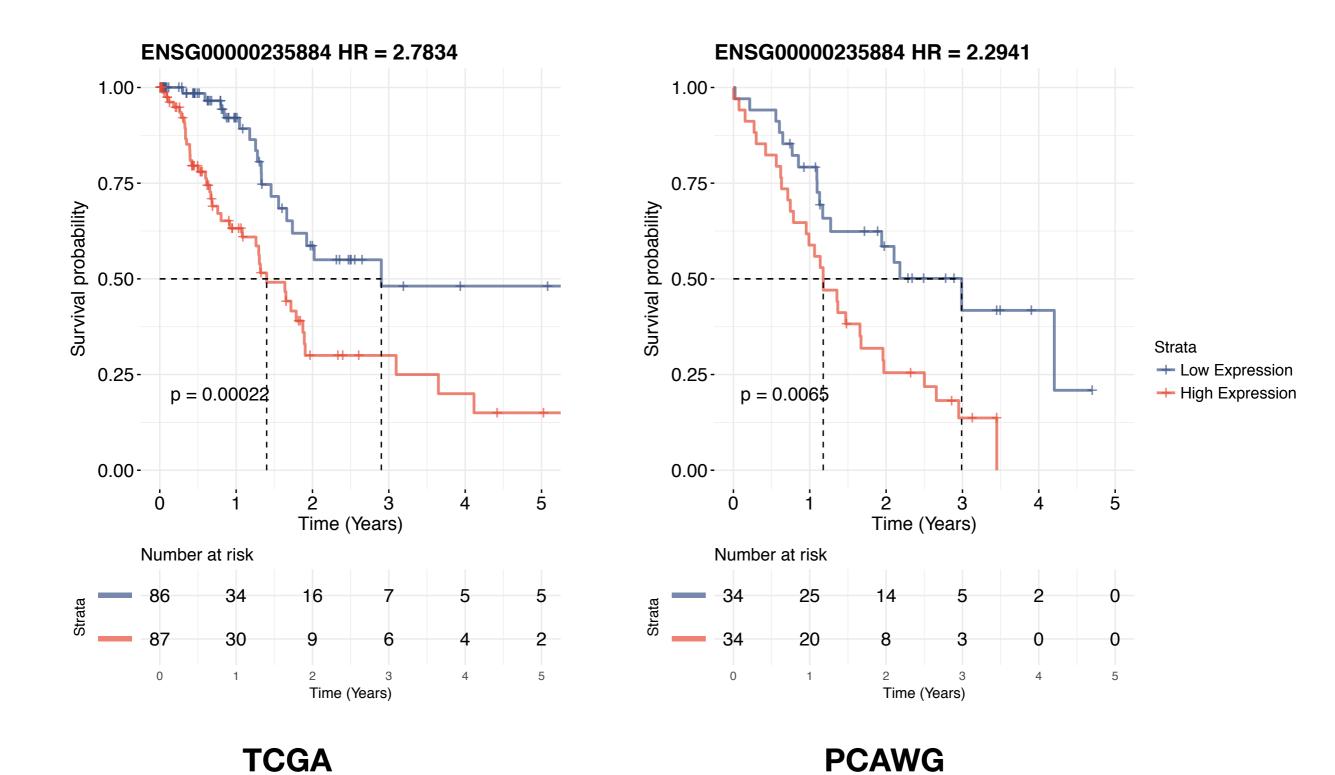
 Expression is significantly relatively higher in both TCGA and PCAWG cohorts compared to normal samples from GTEx, fallopian tubes would be more appropriate here but there are only 7 such samples thus, ovarian samples were used for comparison



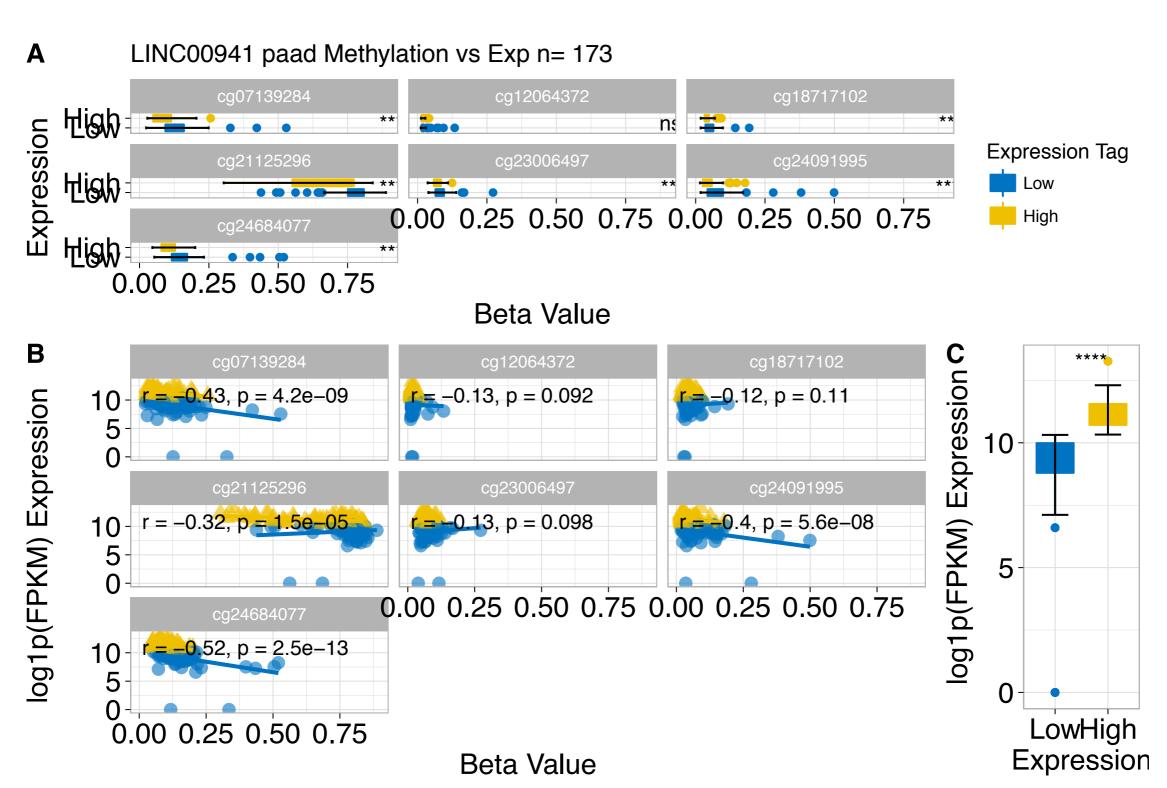


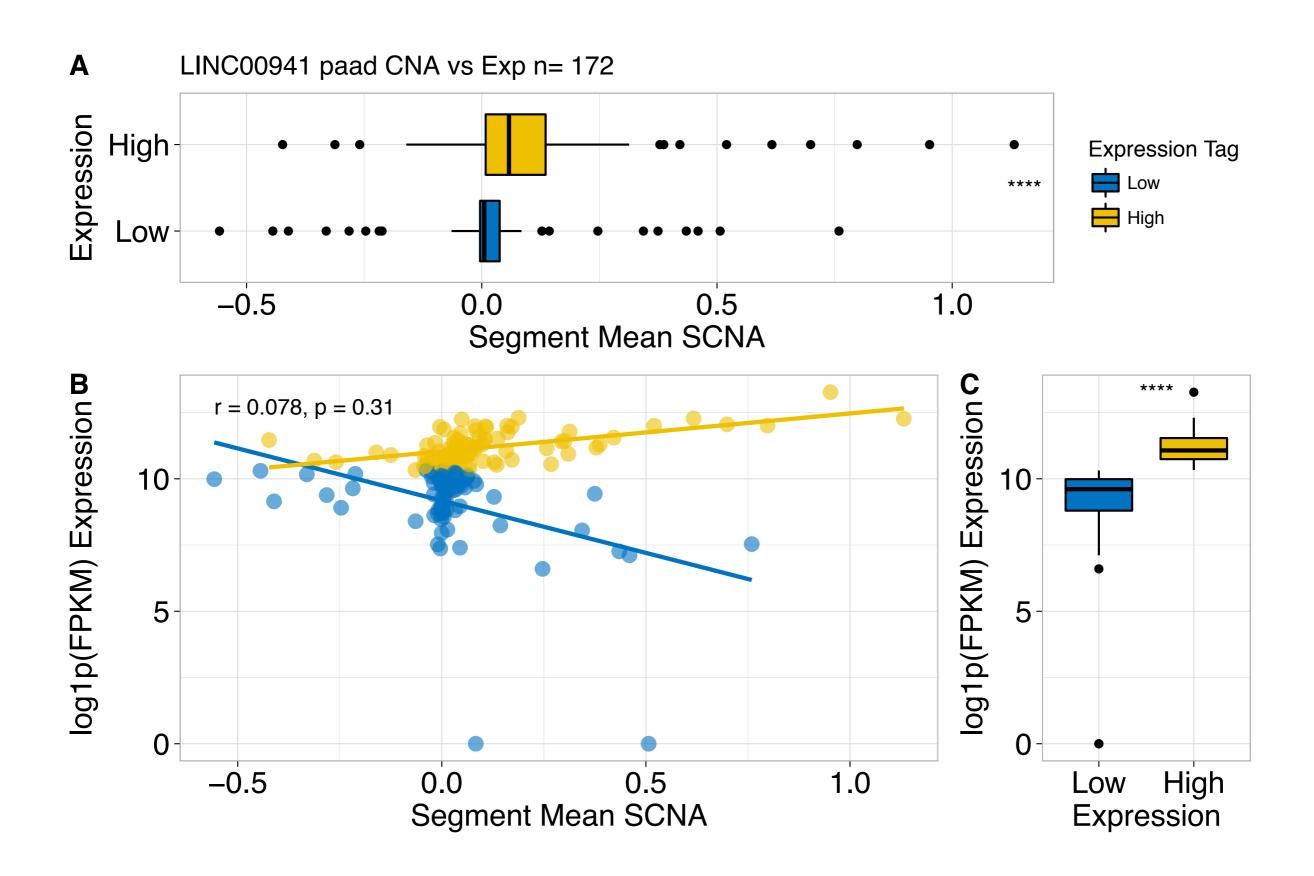
Intergenic IncRNA overlapping a promoter region downstream of an enhancer

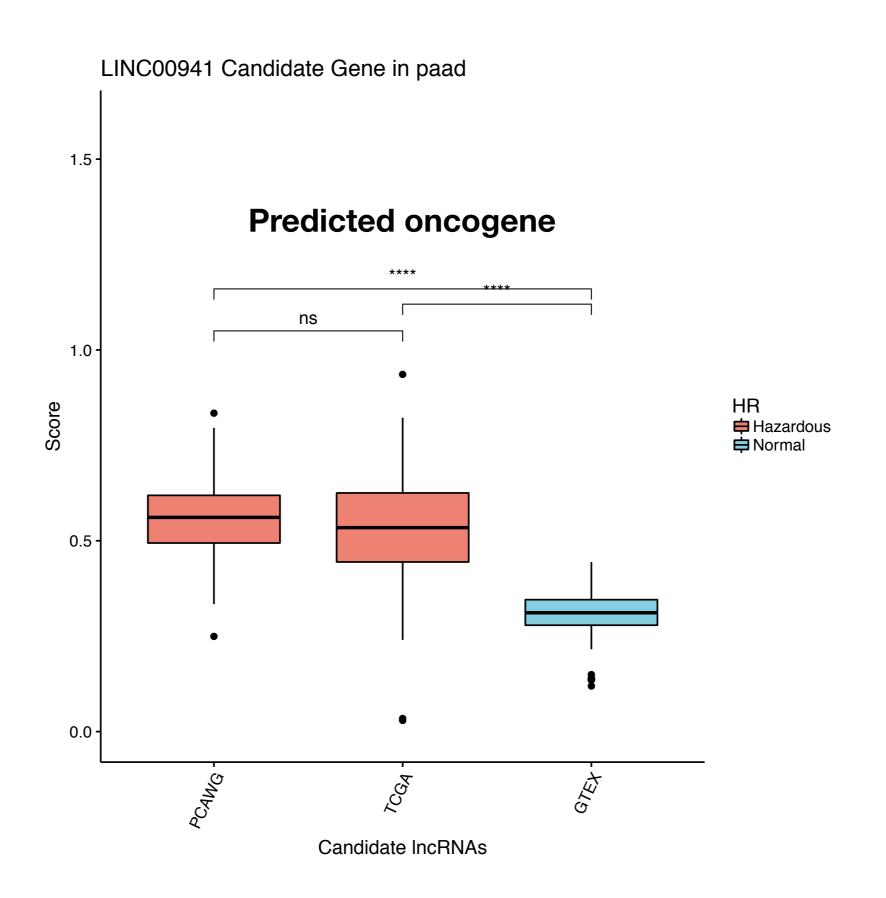


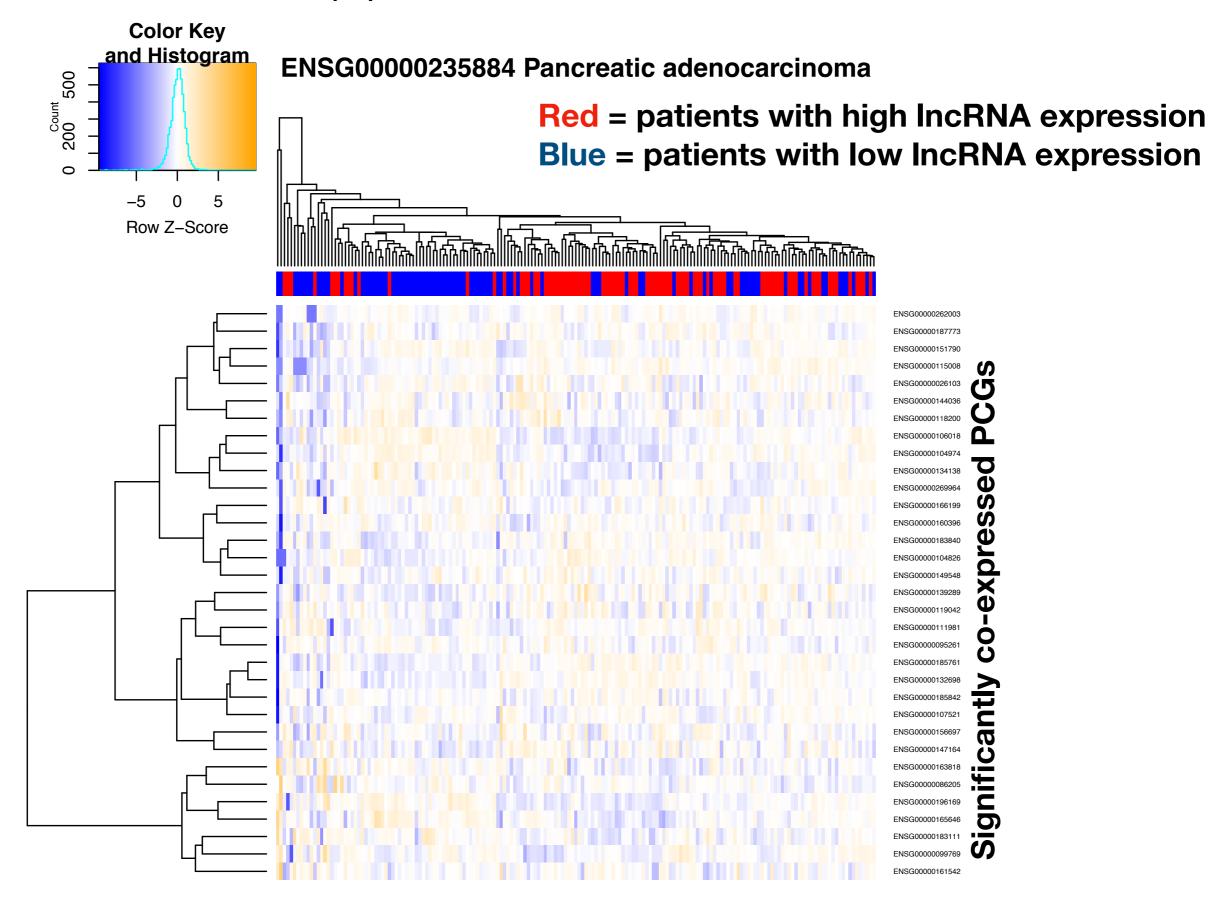


 Patients with low expression also have higher methylation of probes overlapping the lncRNA

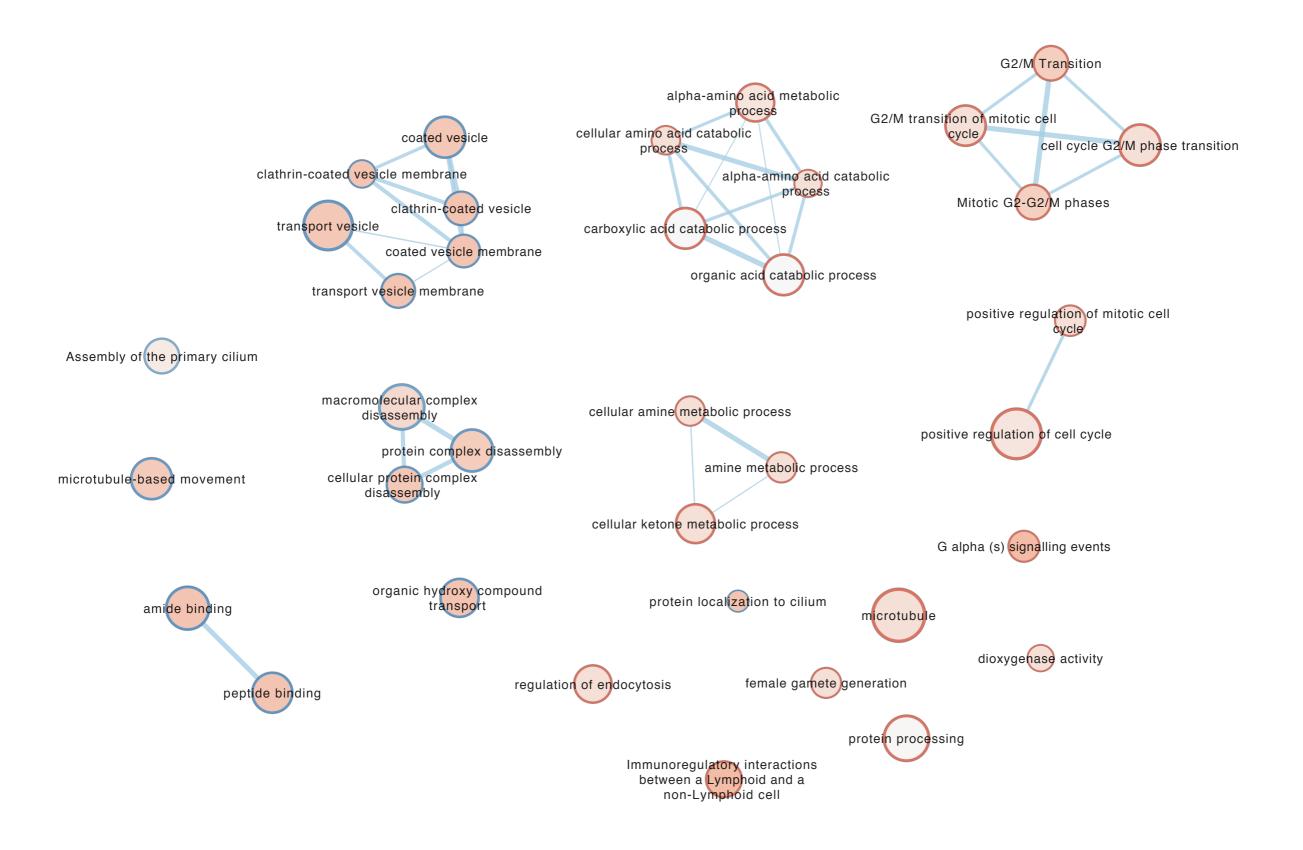


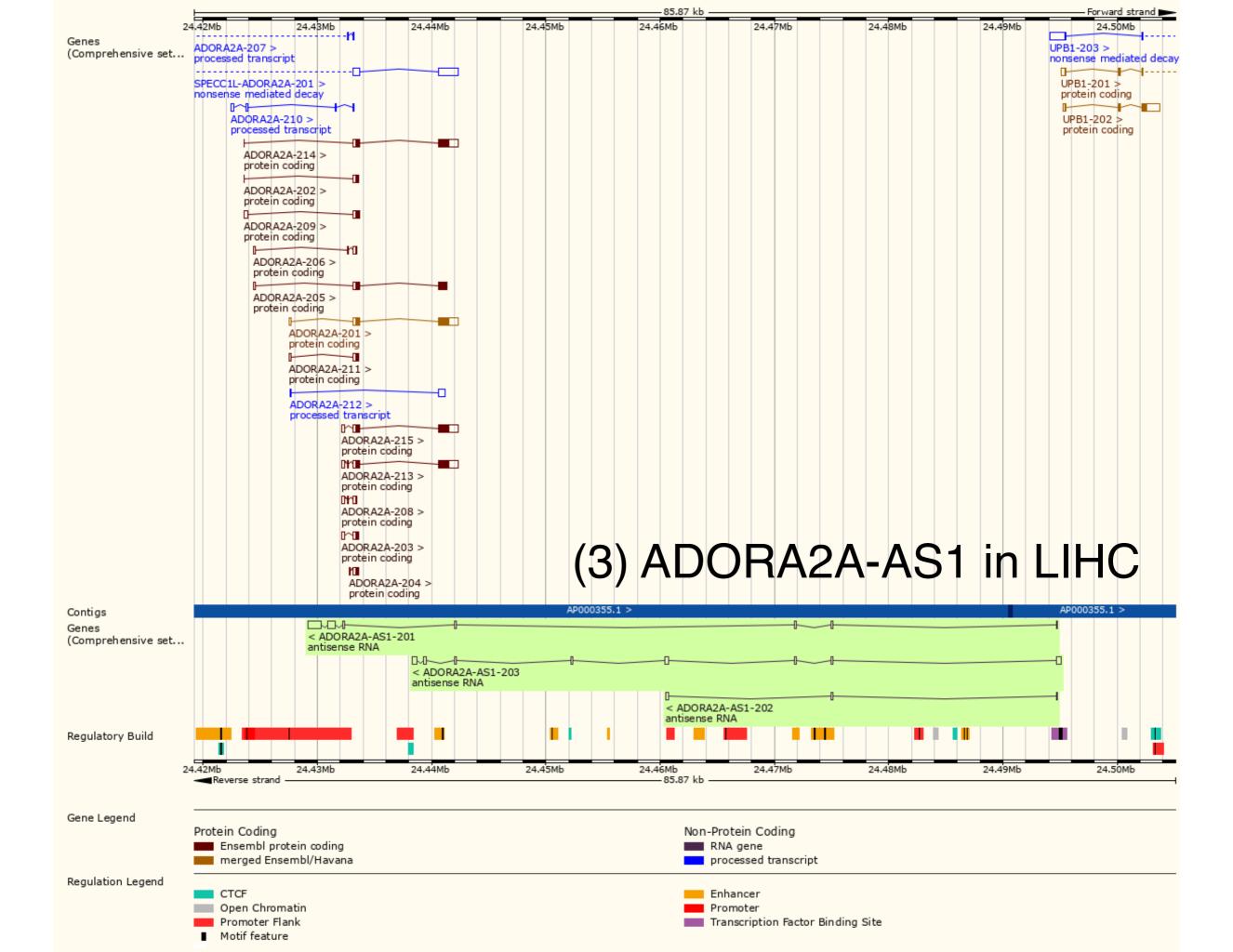


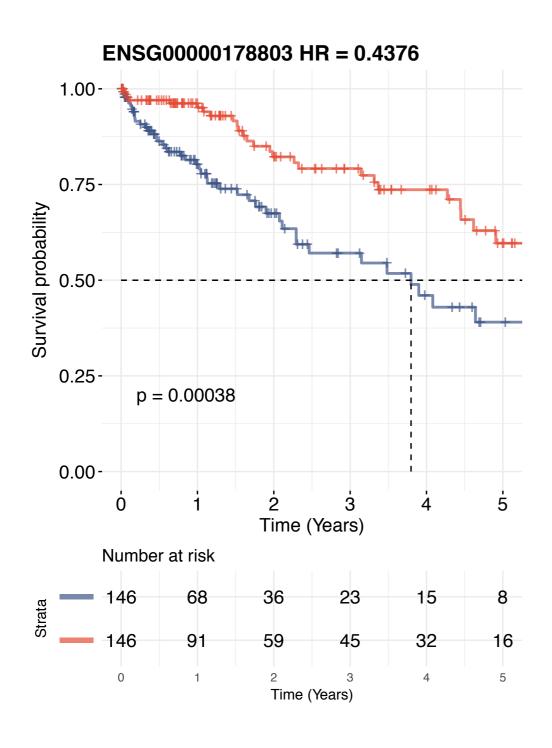


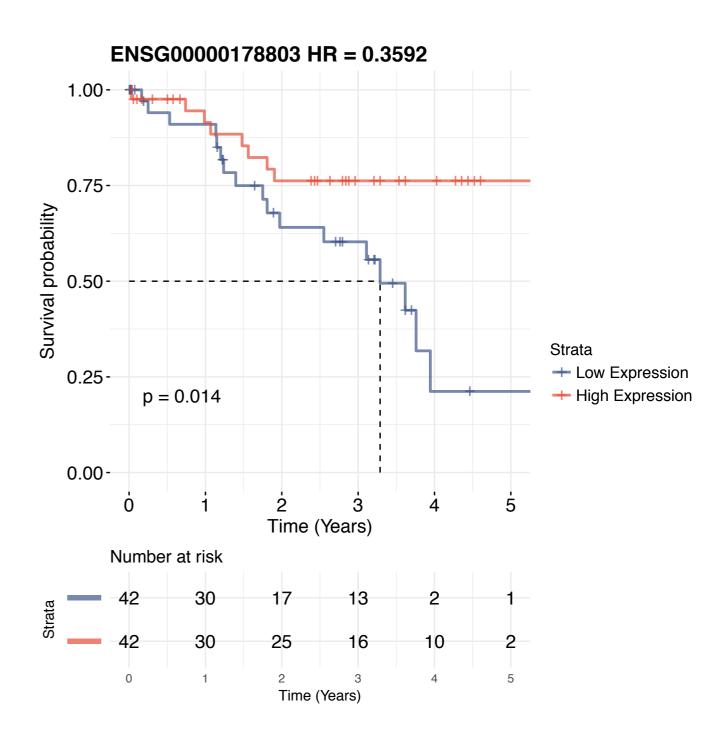


LINC00941 PAAD positively associated pathways



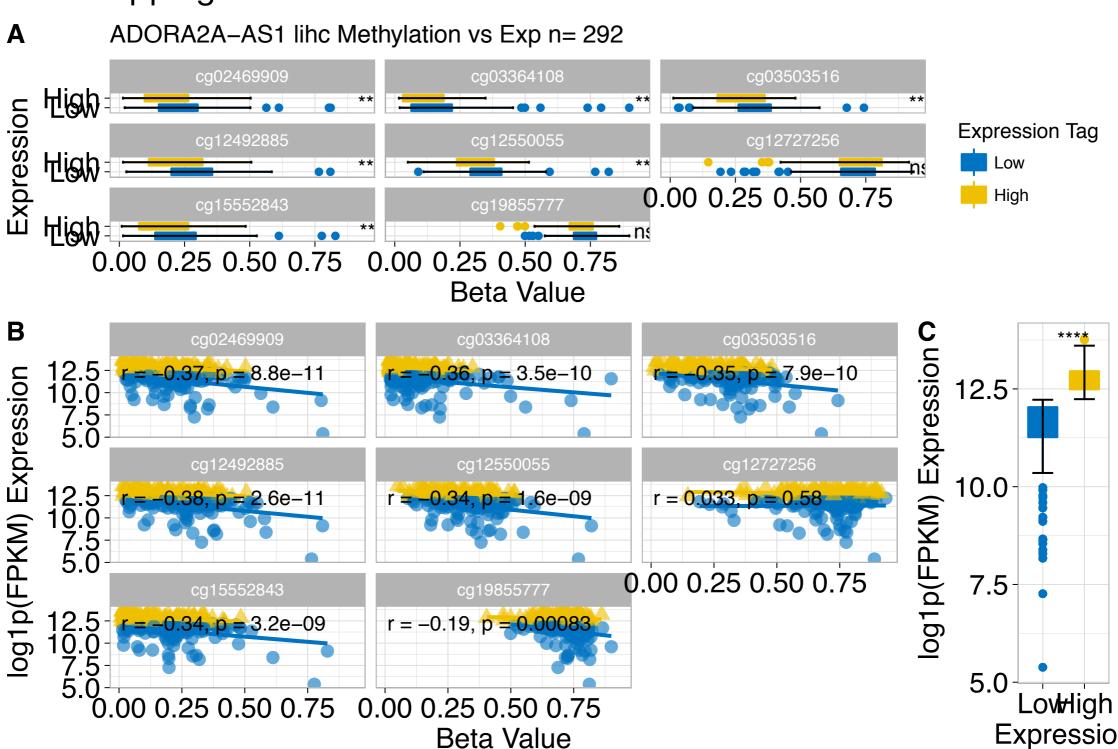


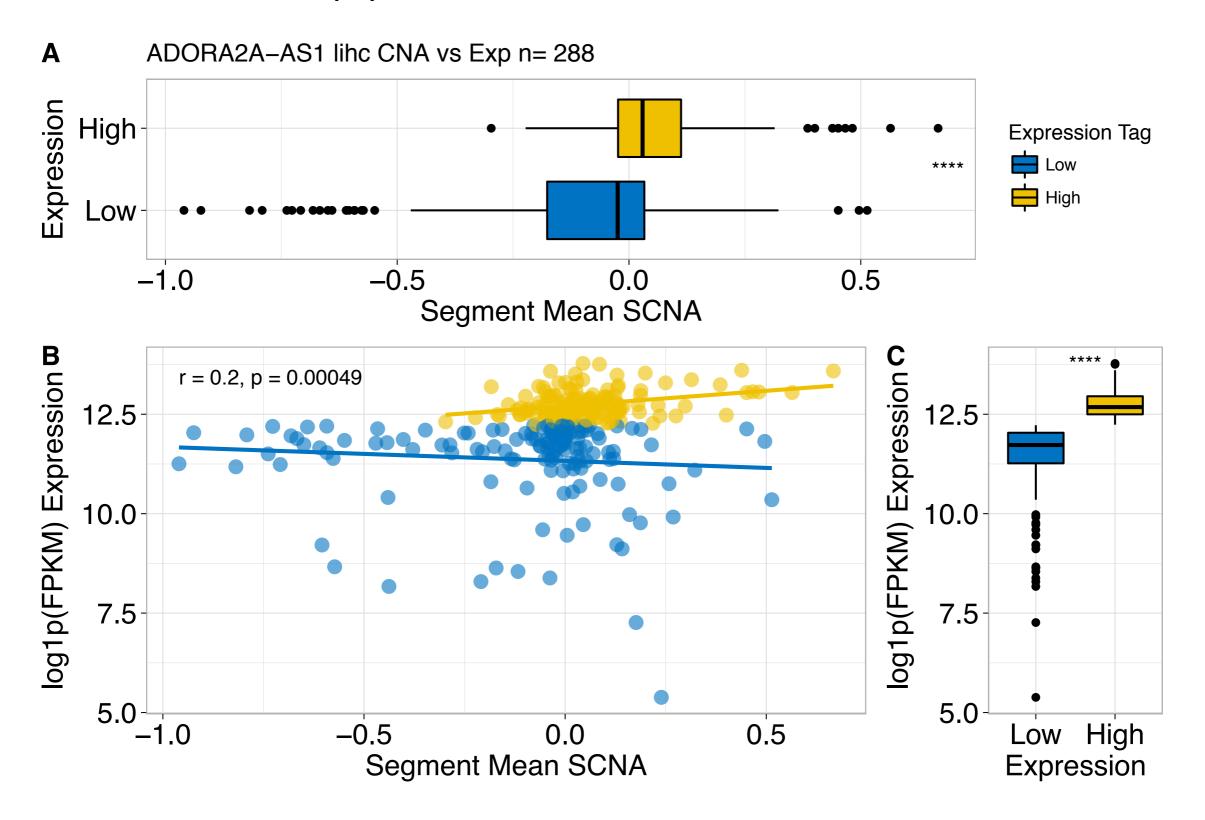




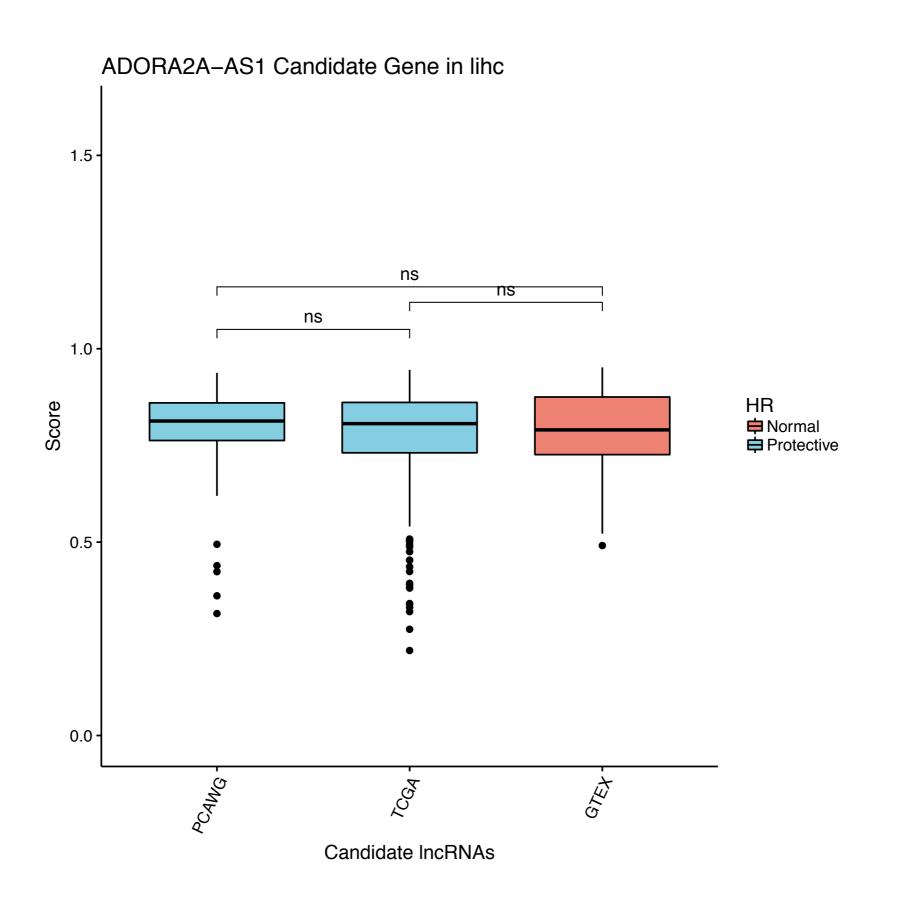
TCGA PCAWG

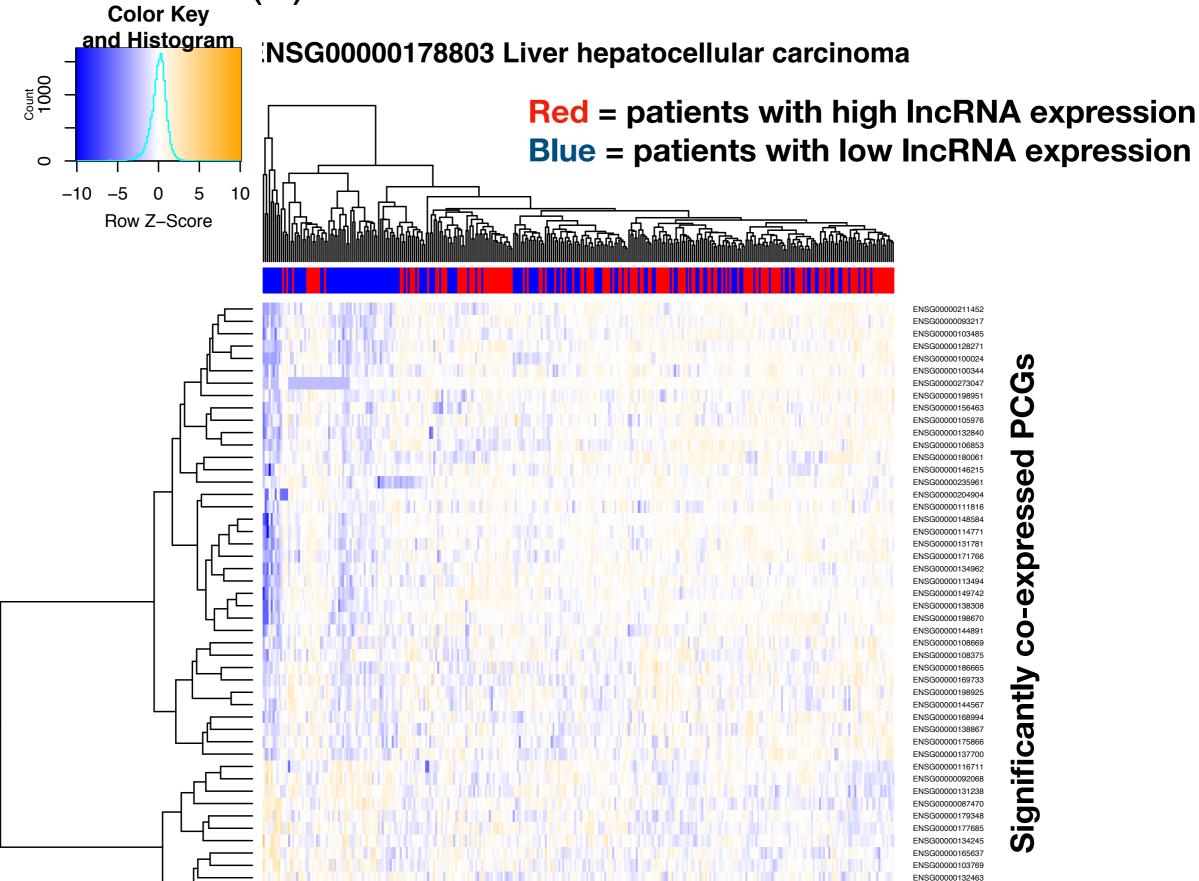
 Patients with low expression also have higher methylation of probes overlapping the lncRNA





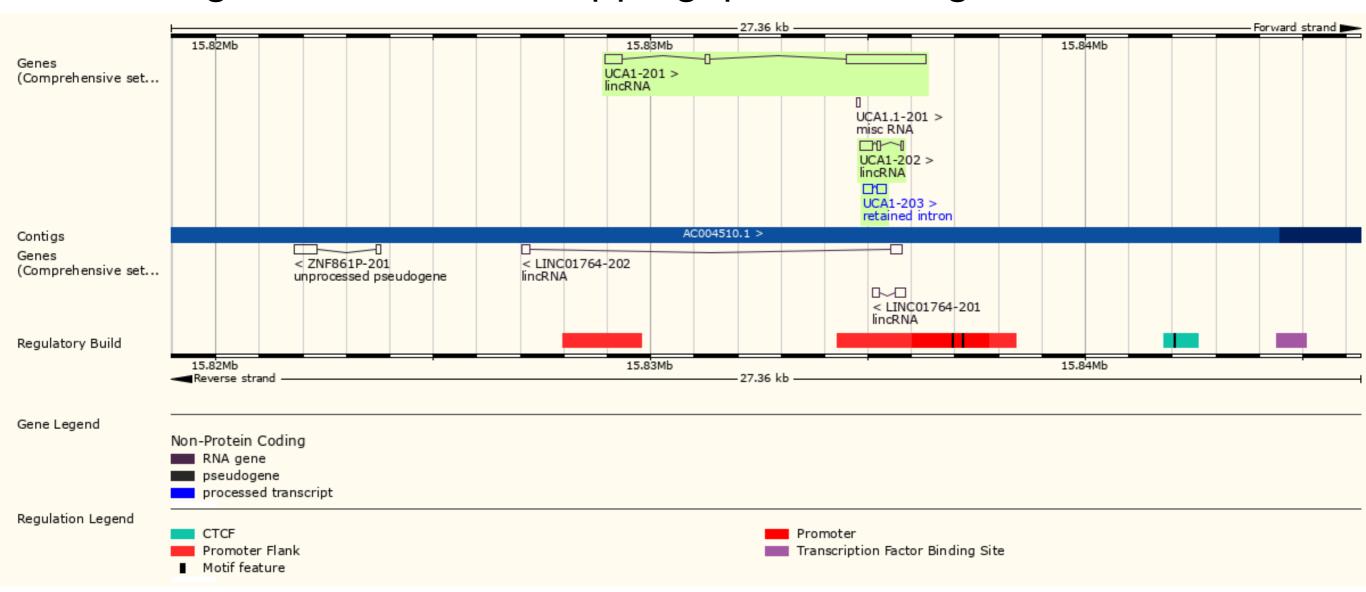
Patients with low expression also have more copy number deletions



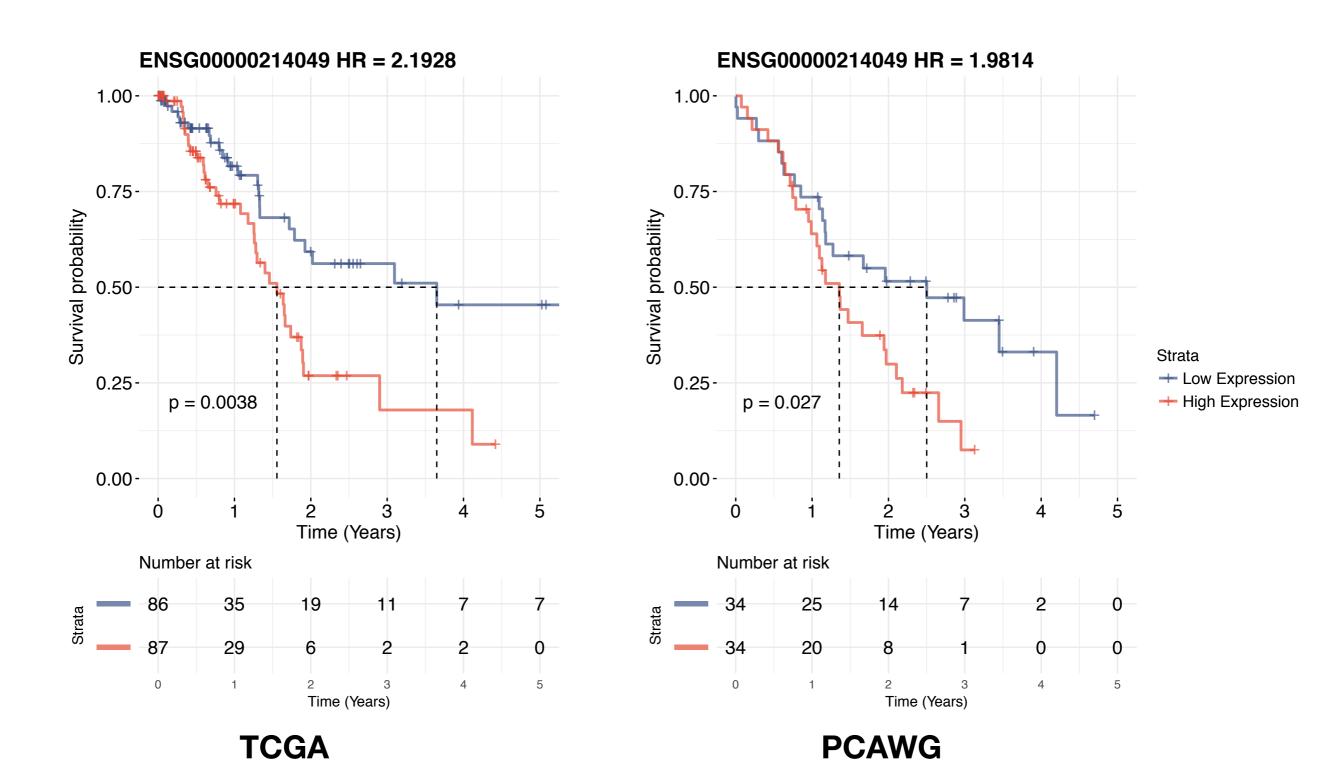


(4) UCA1 PAAD

Intergenic IncRNA overlapping promoter region

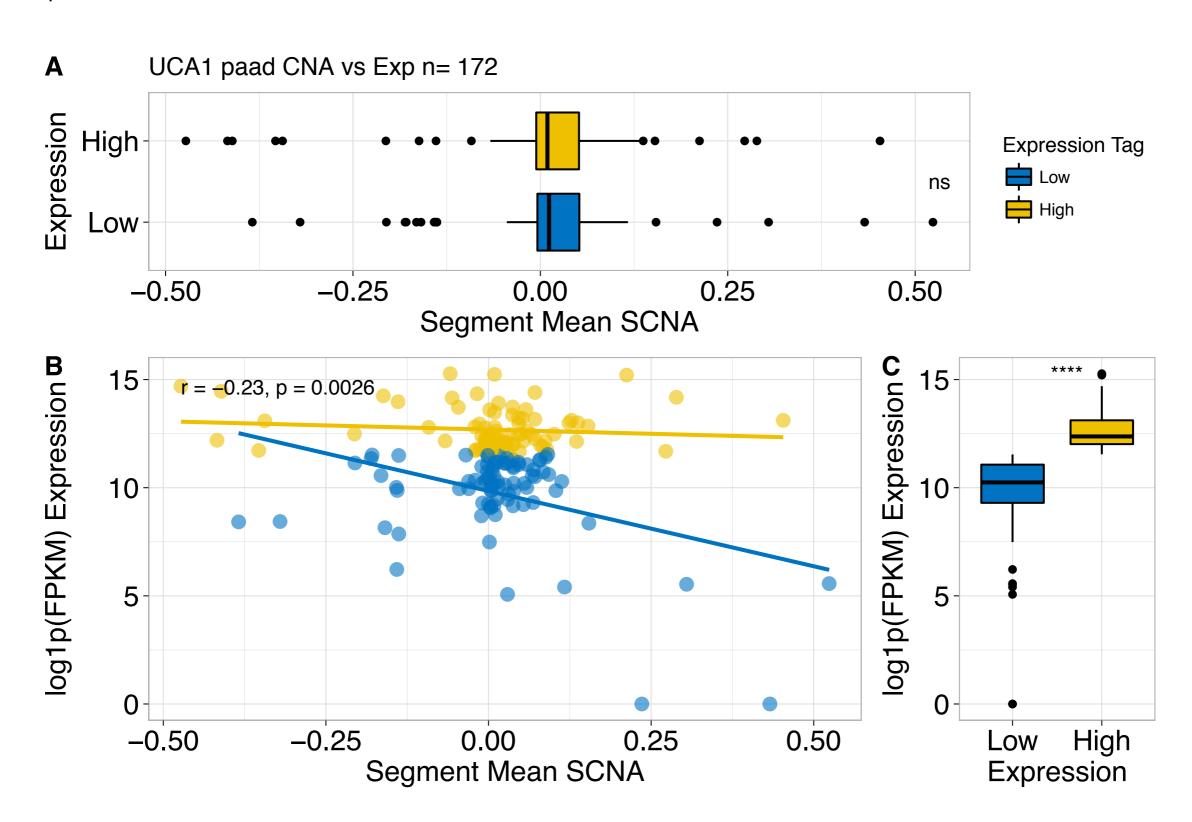


(4) UCA1 PAAD

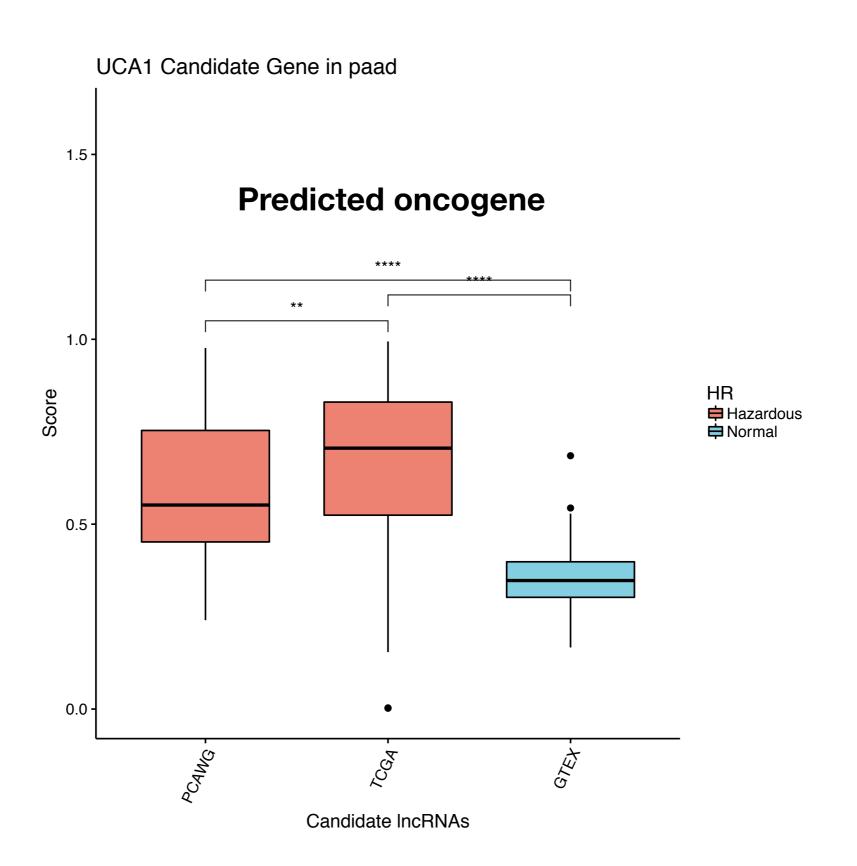


UCA1 PAAD

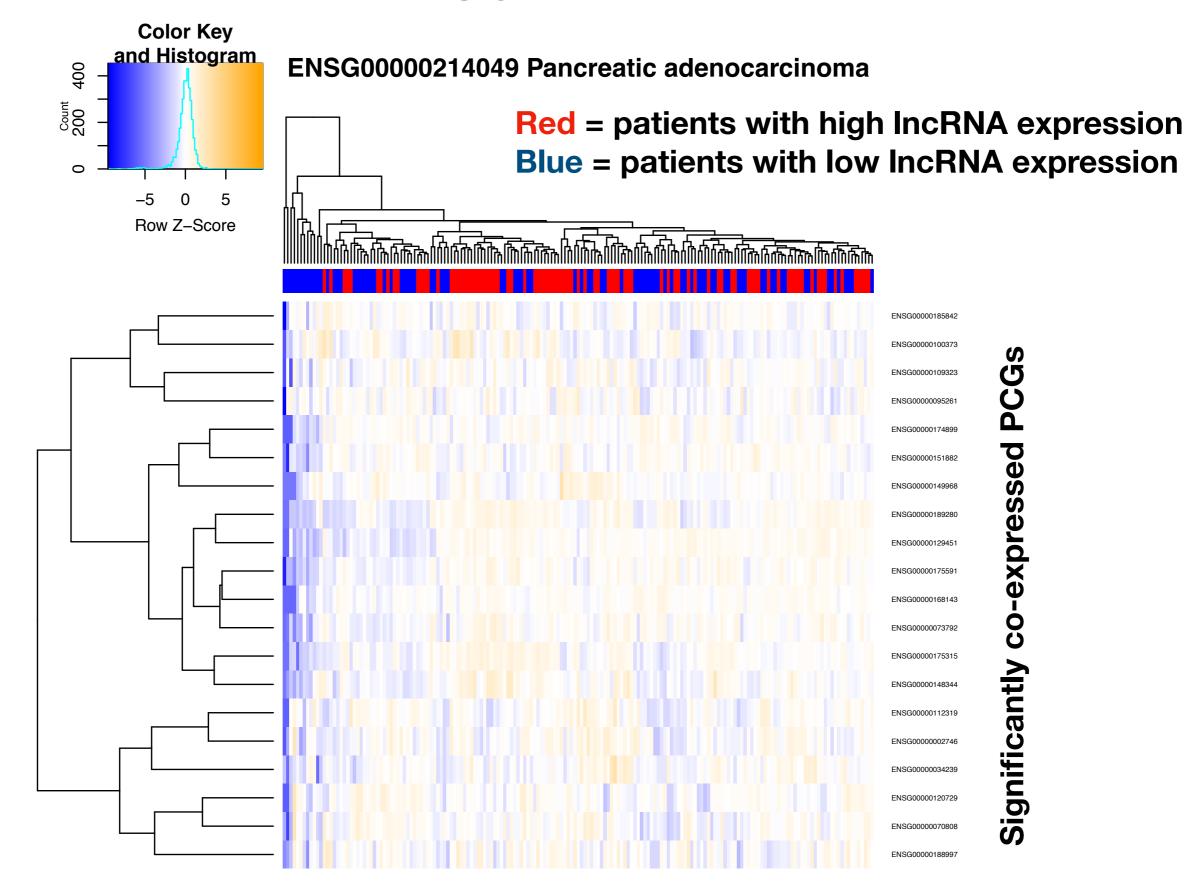
• Too little methylation data, no significant difference in copy number aberrations between low and high expressing patients

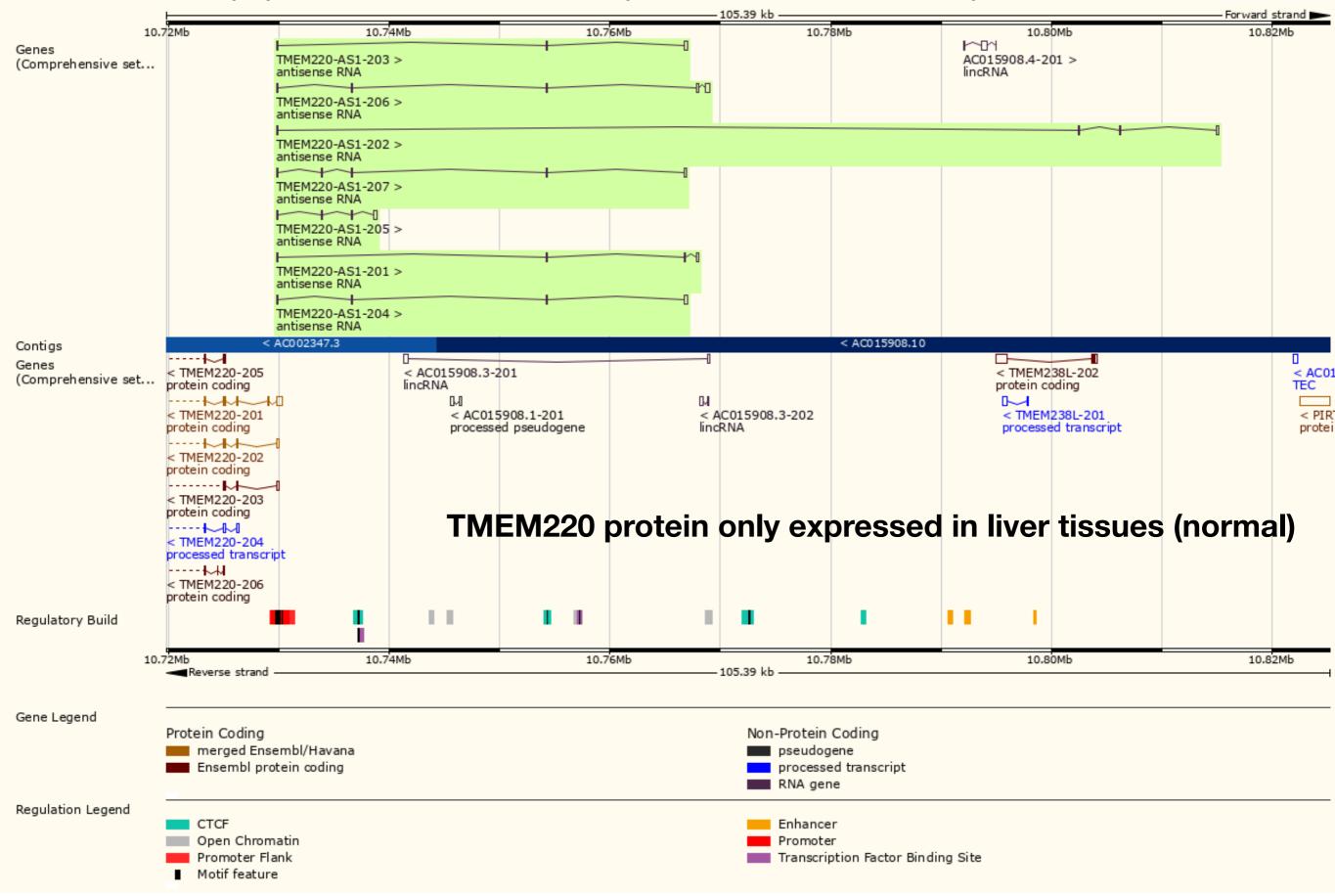


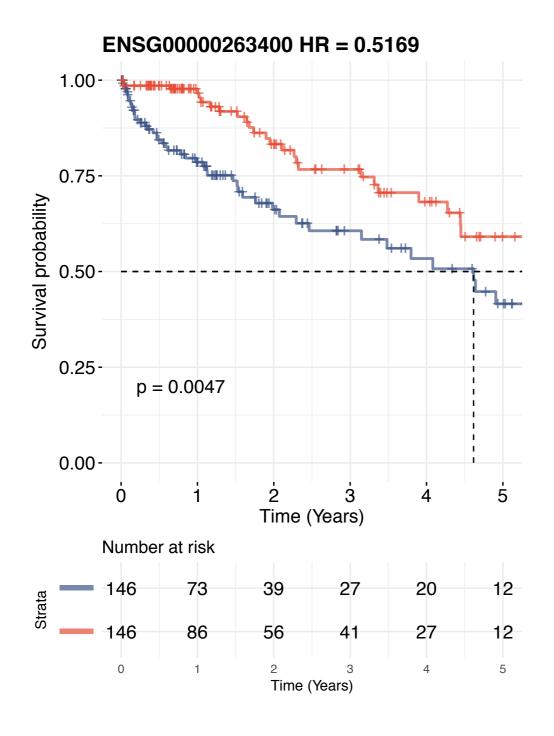
UCA1 PAAD

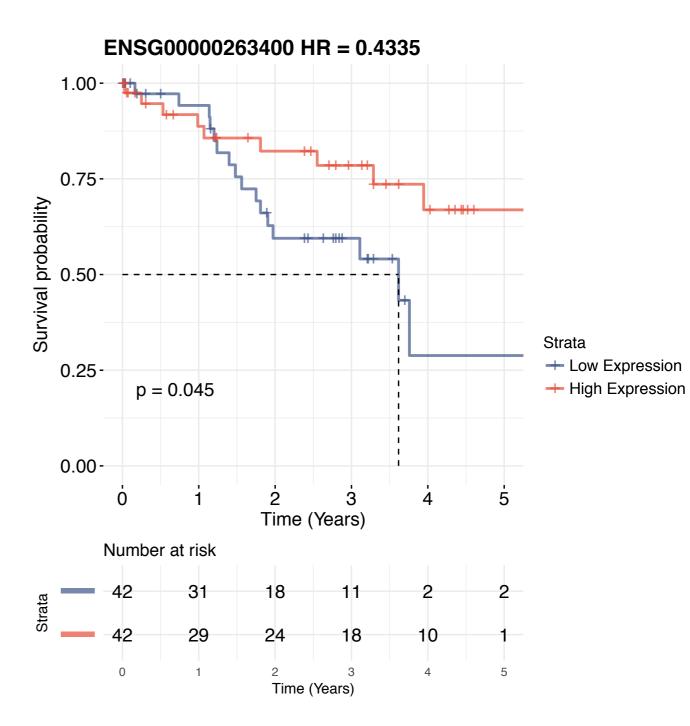


UCA1 PAAD





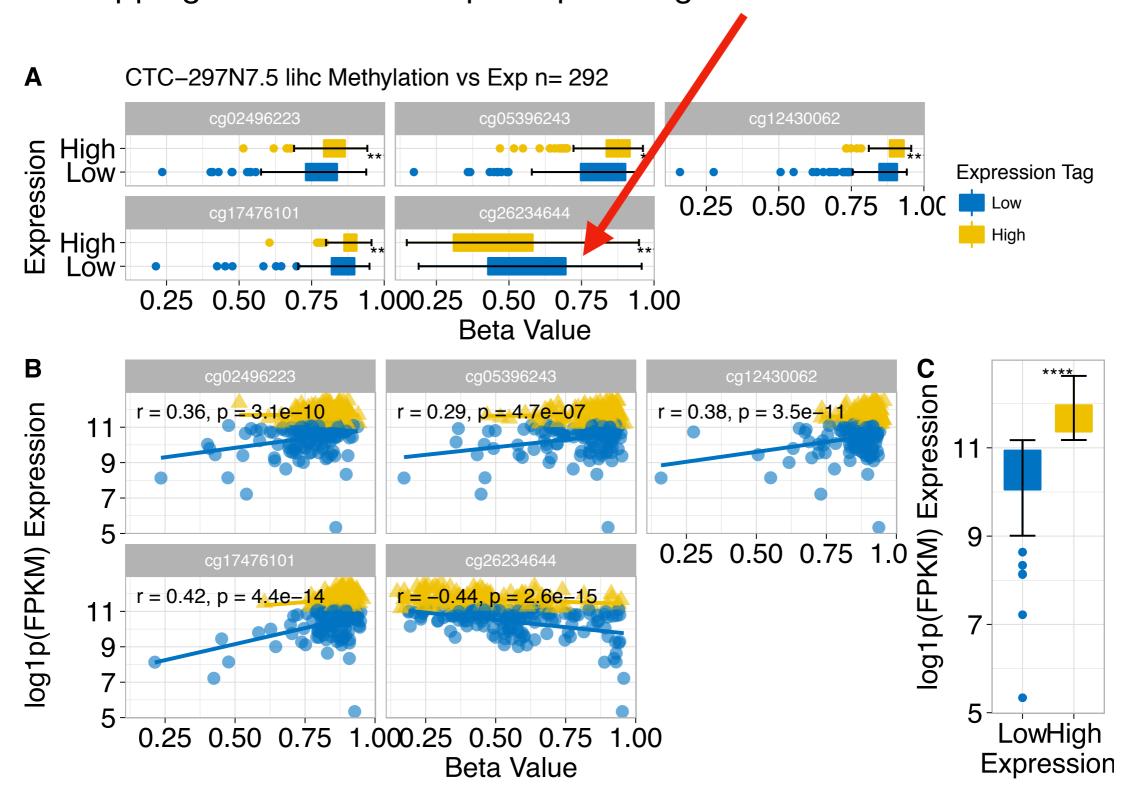




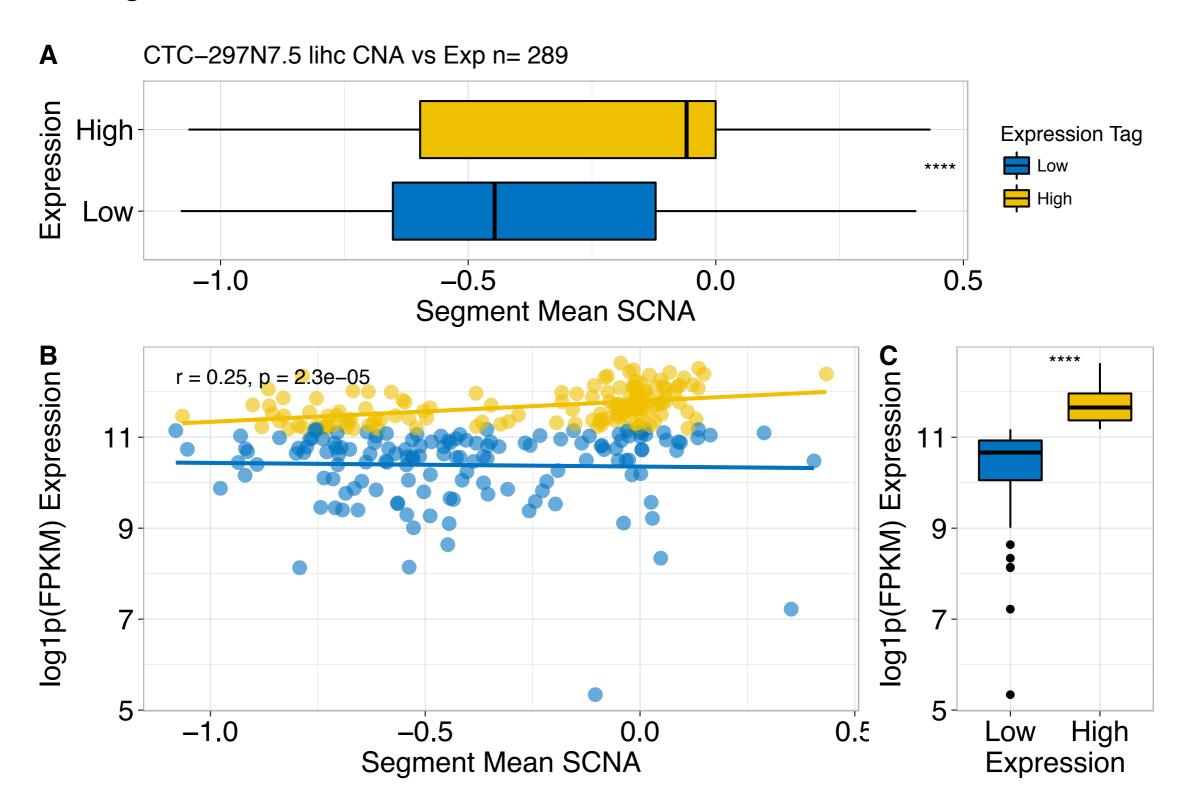
TCGA

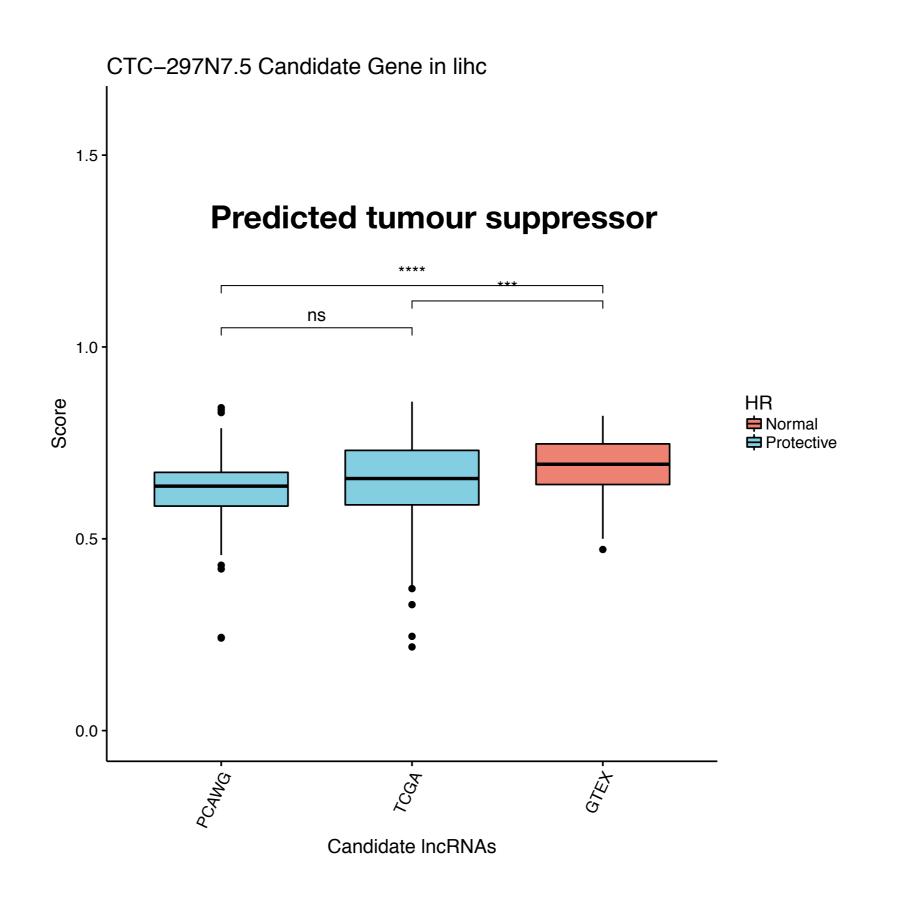
PCAWG

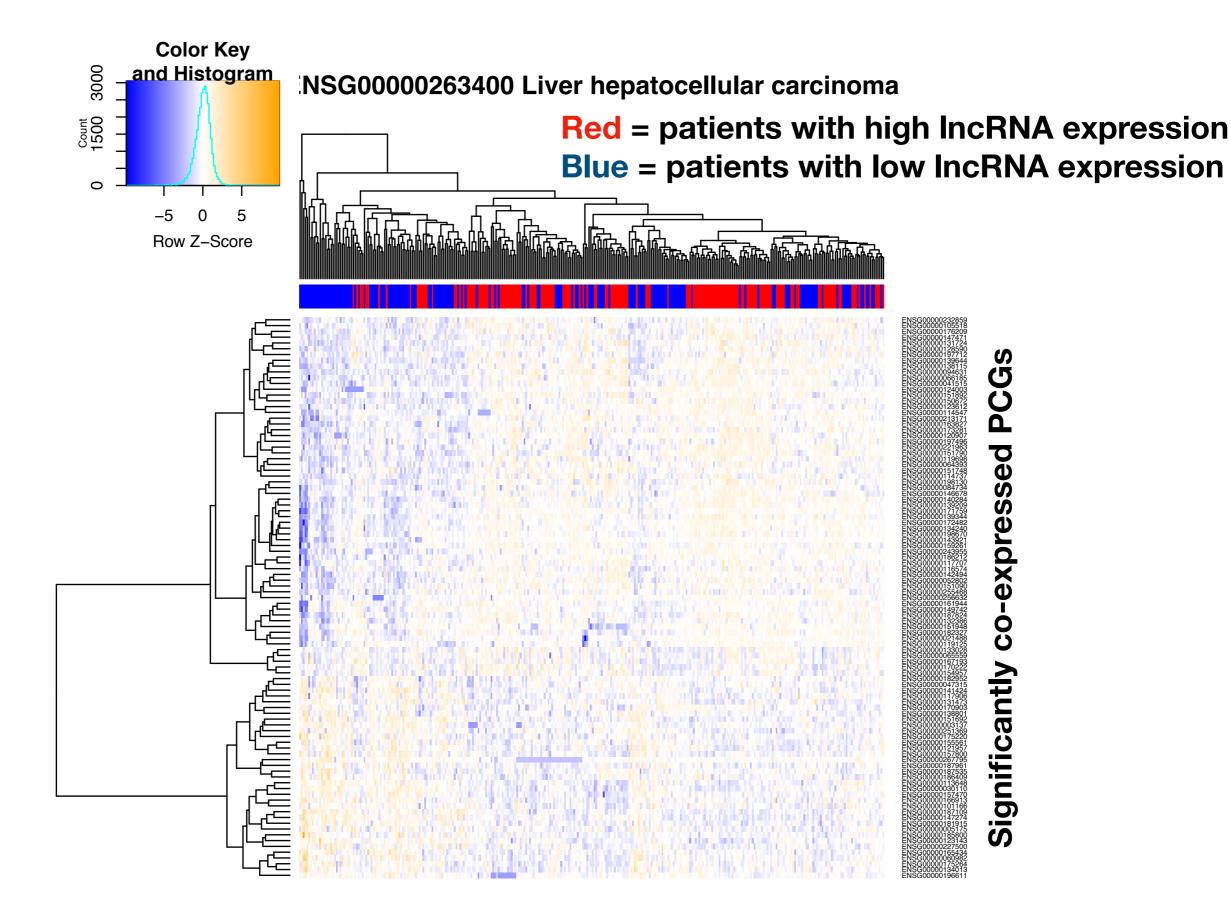
 Patients with high expression also have higher methylation of probes overlapping the IncRNA except for probe cg26234644



Patients with low expression also have more copy number deletions of region



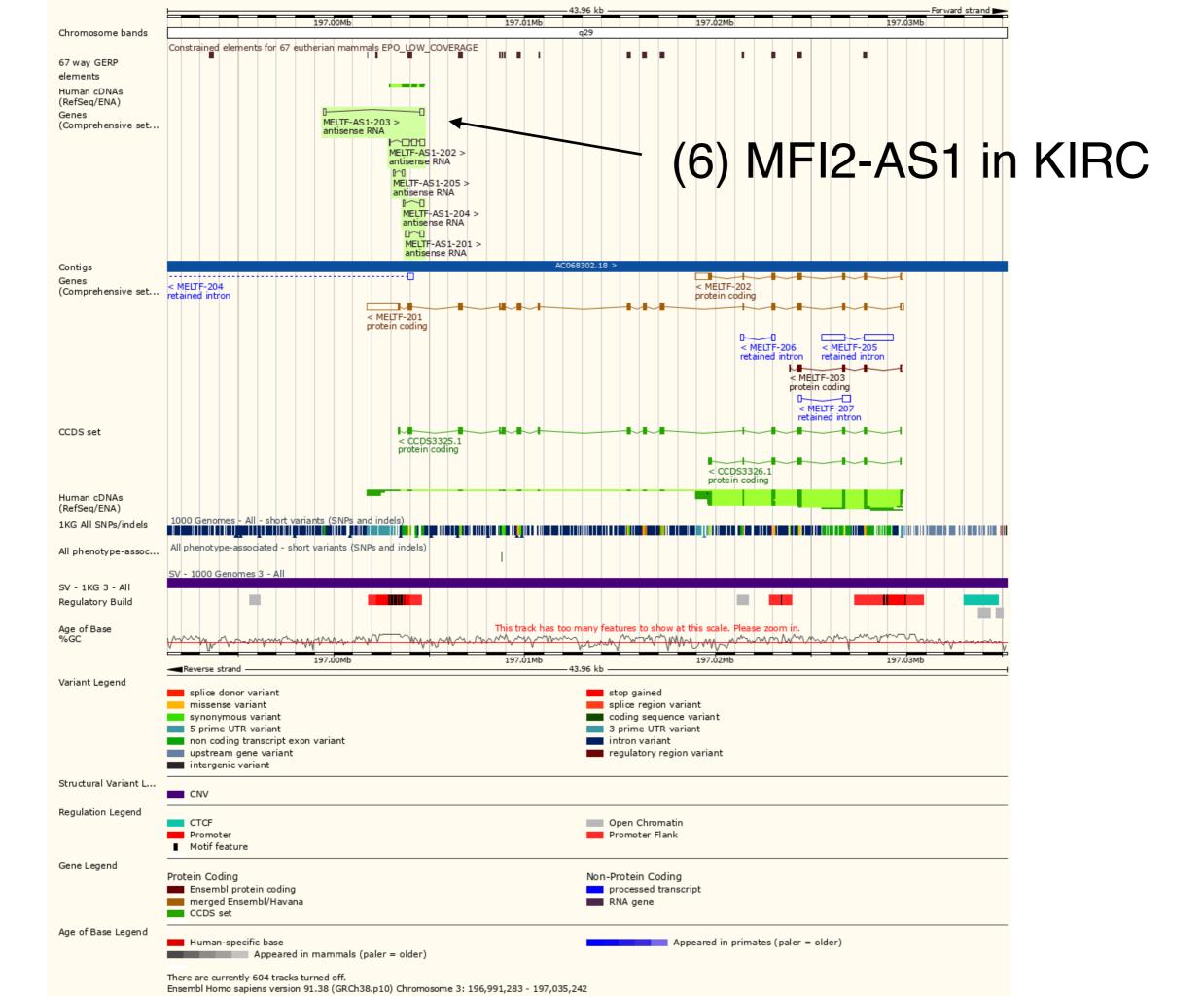


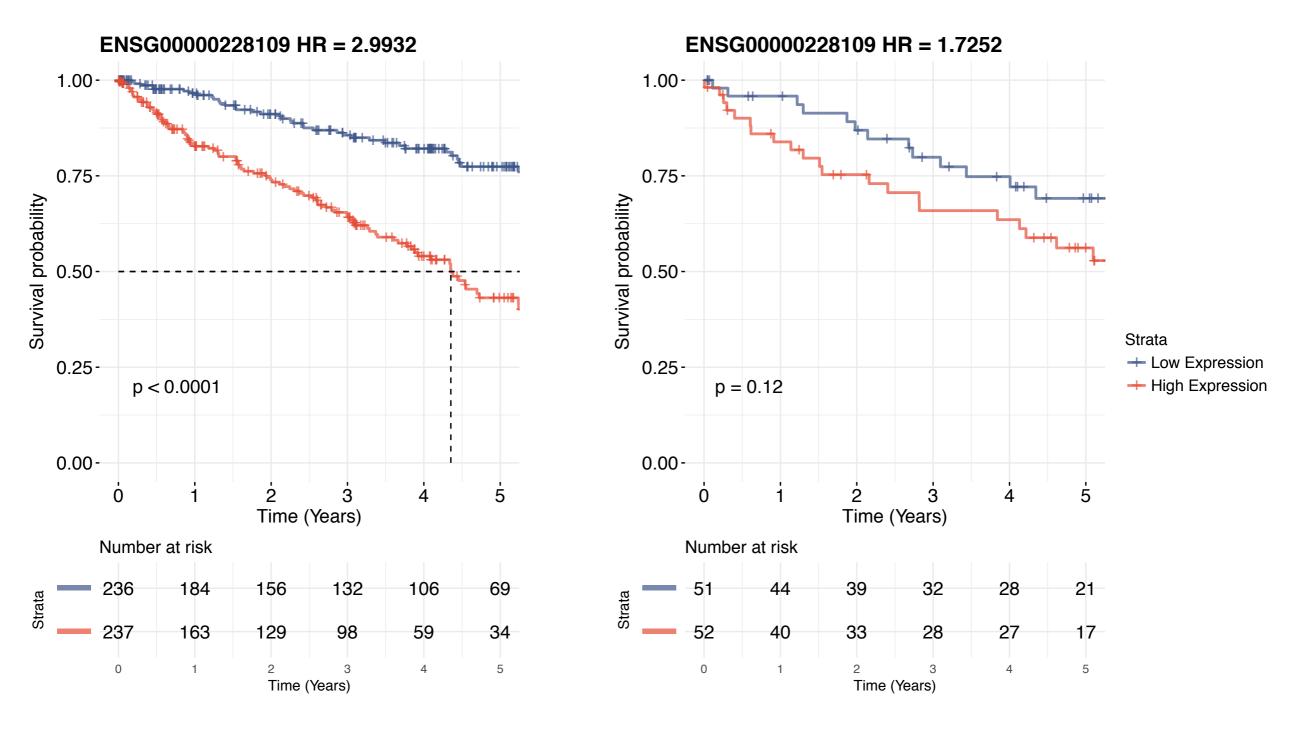




Identification of four prognostic LncRNAs for survival prediction of patients with hepatocellular carcinoma. Peer J. 2017

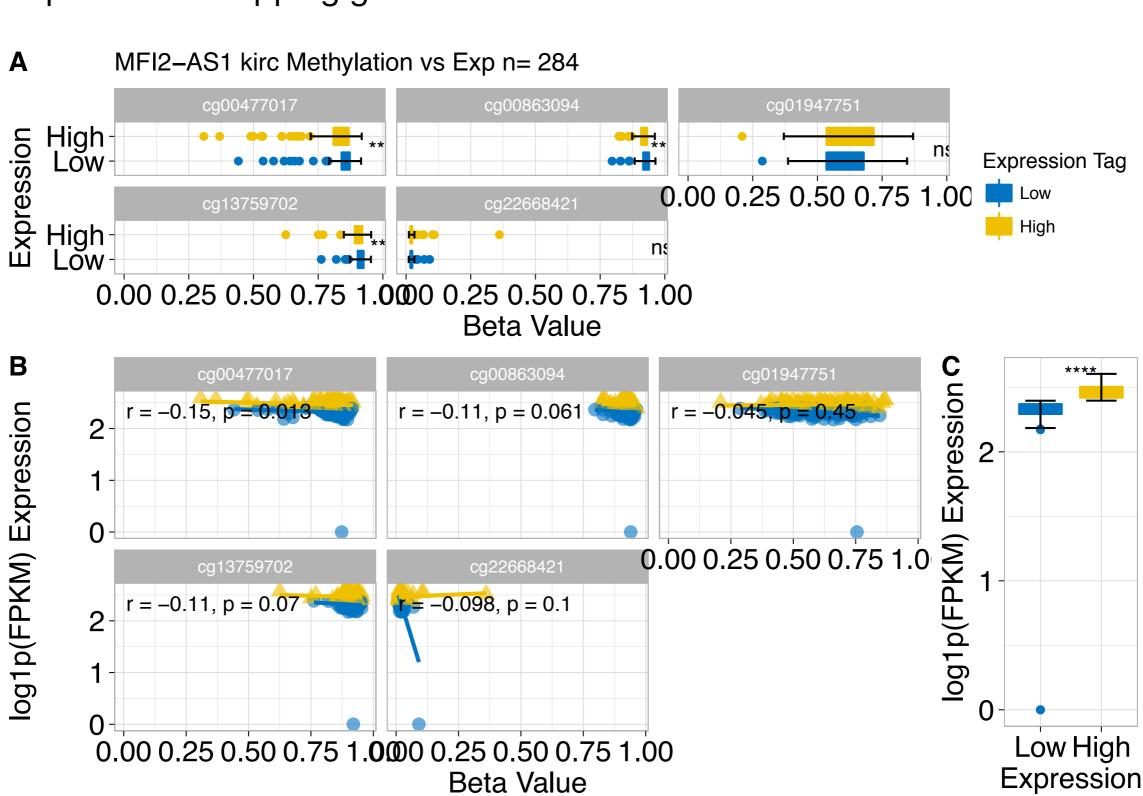
Four IncRNAs (RP11-322E11.5, RP11-150O12.3, AC093609.1, CTC-297N7.9) were found to be significantly and independently associated with survival of HCC patients.



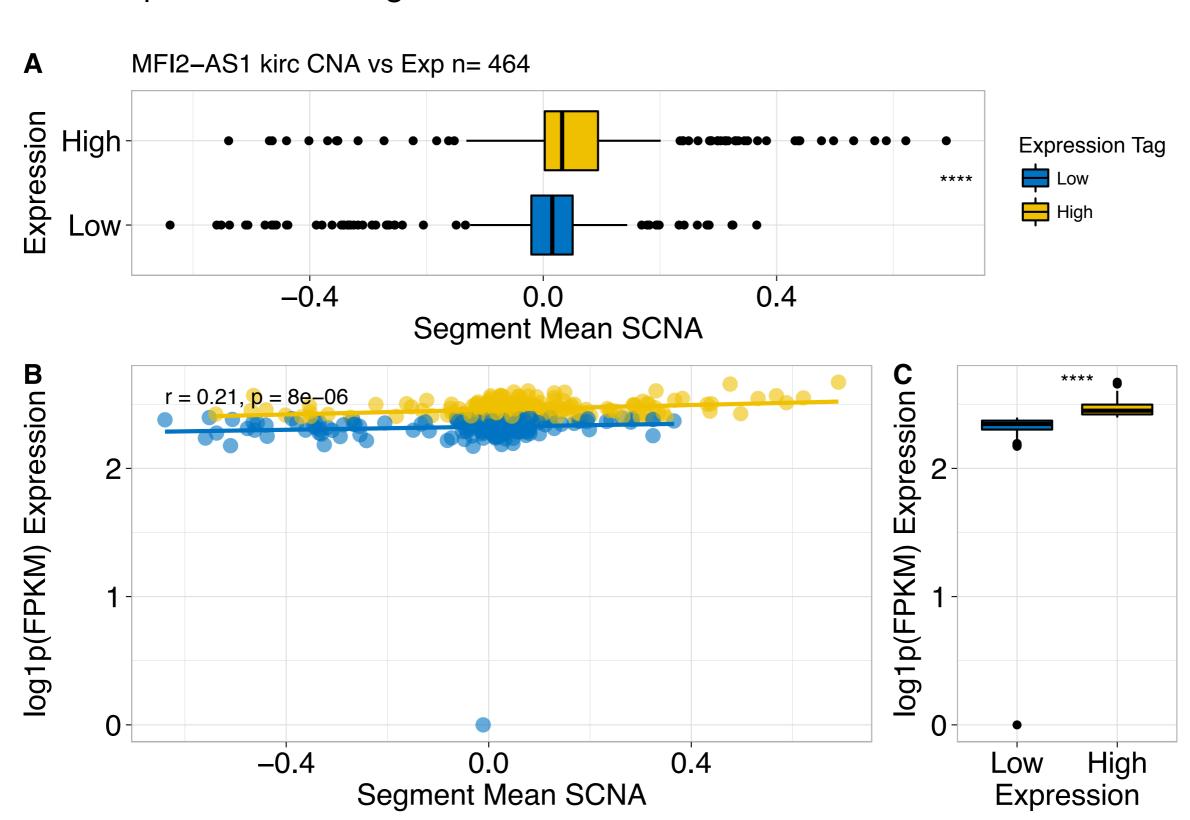


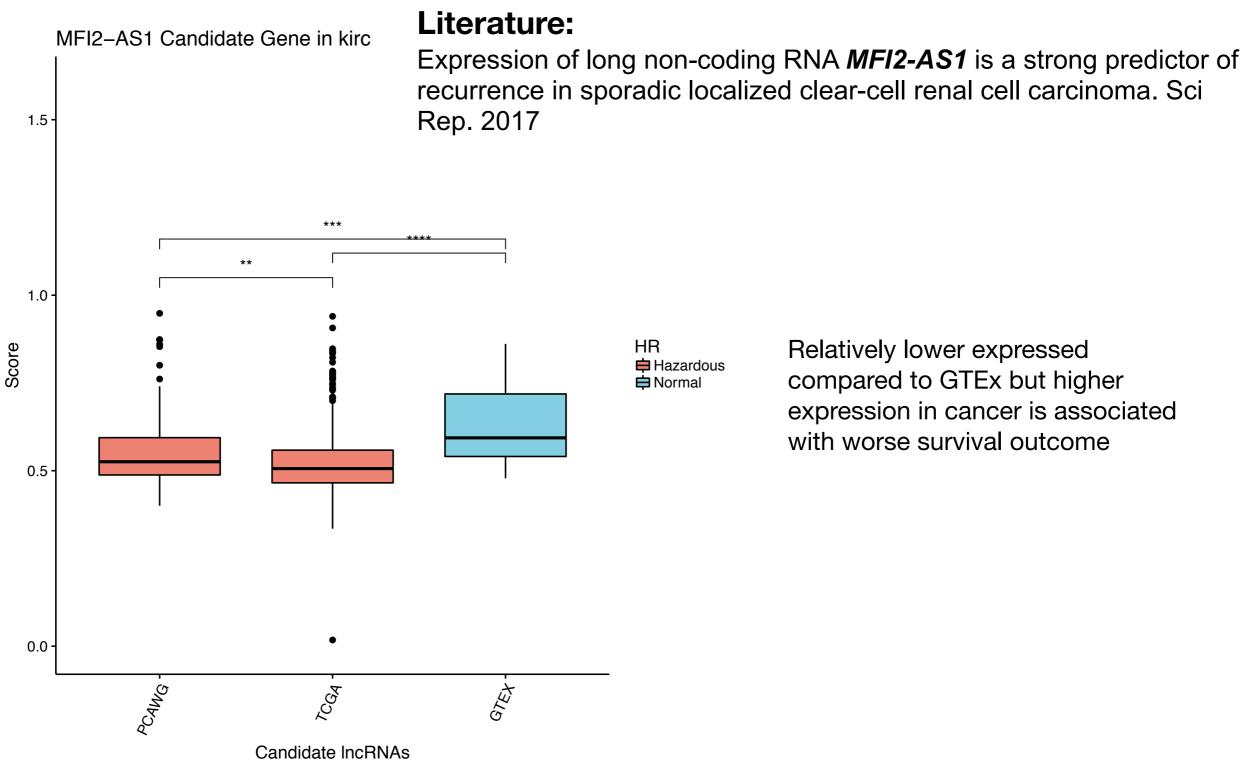
TCGA PCAWG

 Patients with low expression also have higher methylation of most probes overlapping gene



Patients with high expression also have more copy number amplifications of region





recurrence in sporadic localized clear-cell renal cell carcinoma. Sci

Relatively lower expressed compared to GTEx but higher expression in cancer is associated with worse survival outcome

MFI2-AS1 KIRC

