

## Supplementary material for

# MicroRNAs as plasma biomarkers of hepatocellular carcinoma in patients with liver cirrhosis – a cross-sectional study

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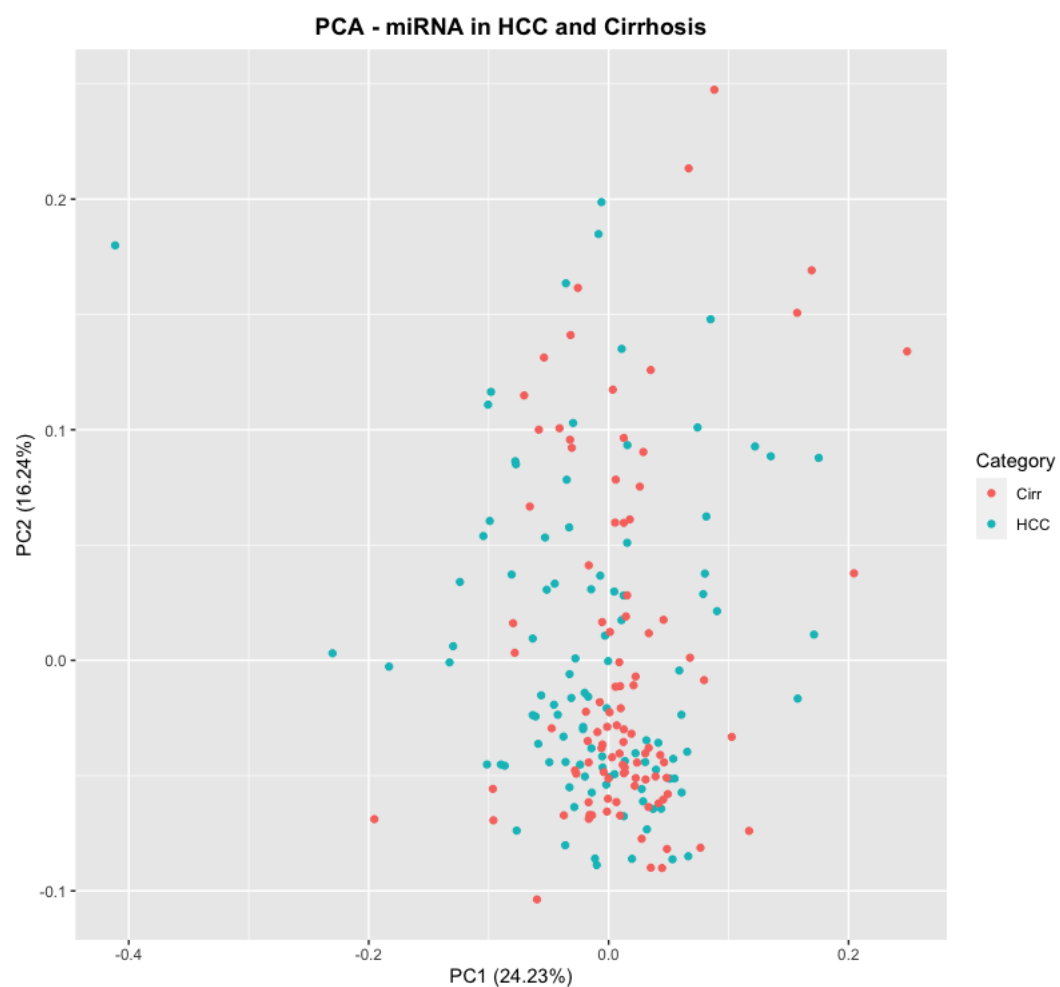
**Keywords:** HCC, surveillance, circulating biomarkers, miRNA, proteins

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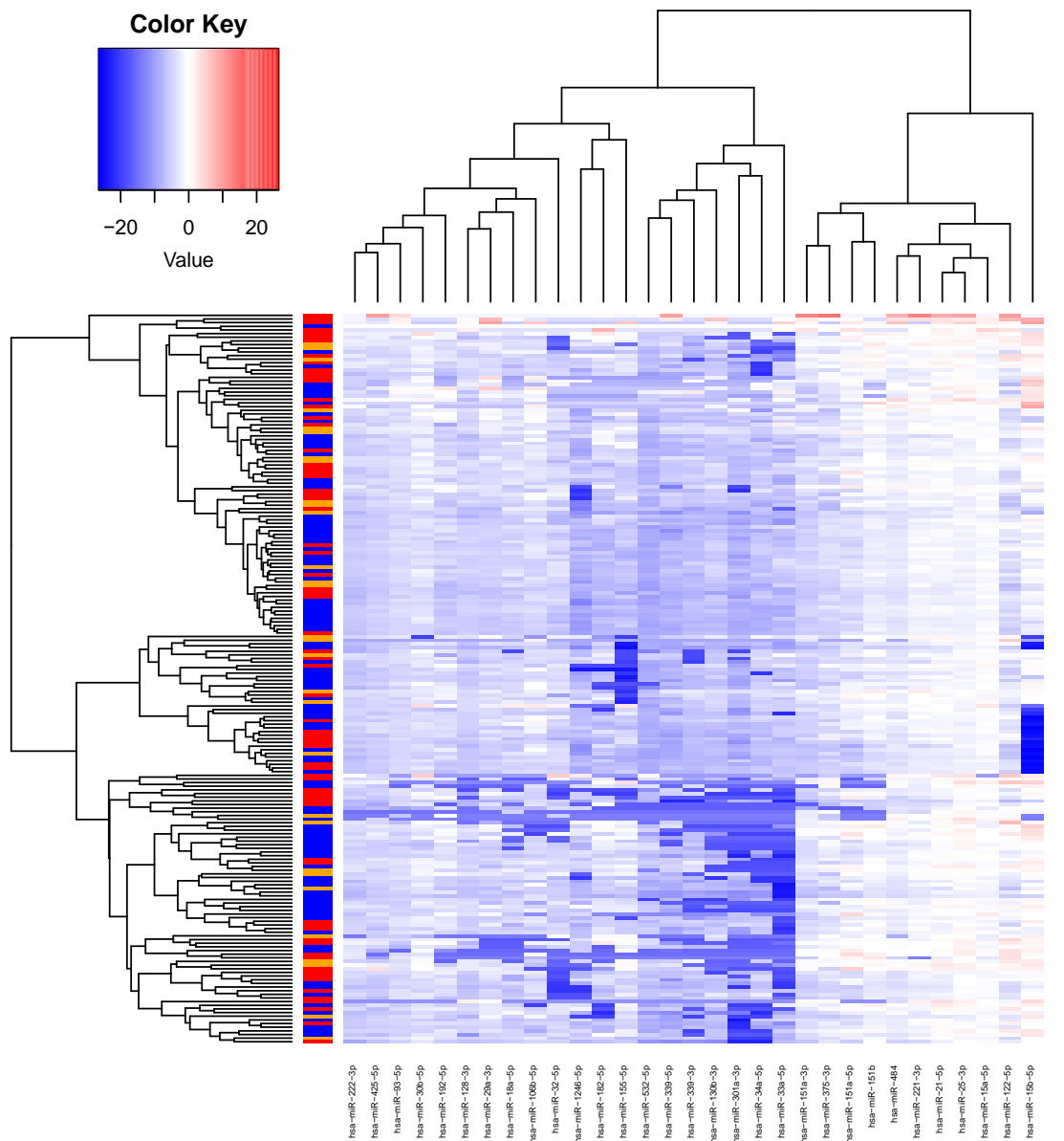
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### Supplementary figure S1



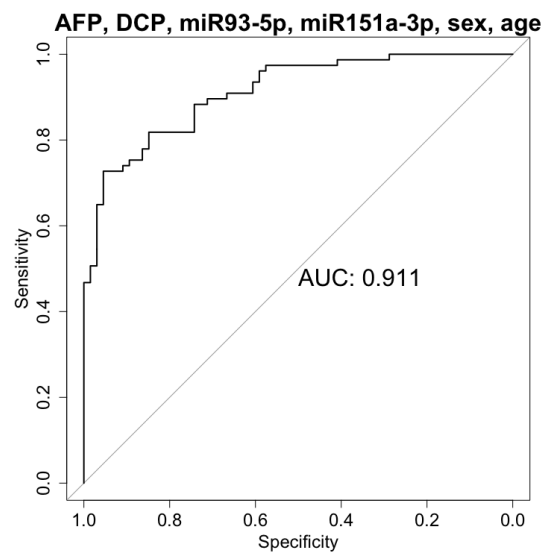
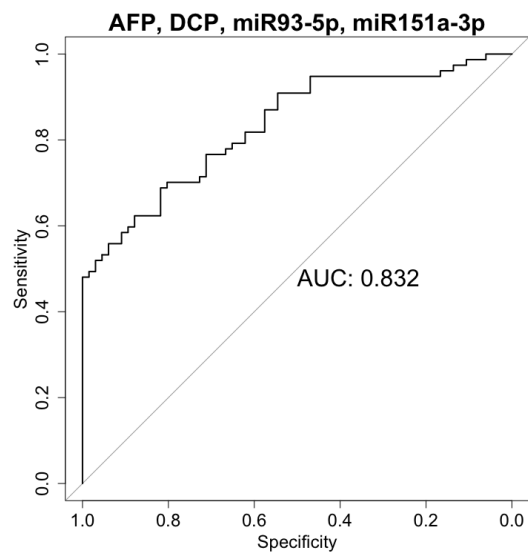
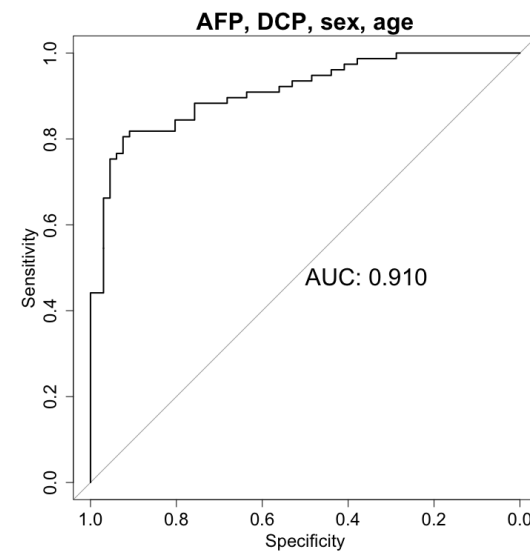
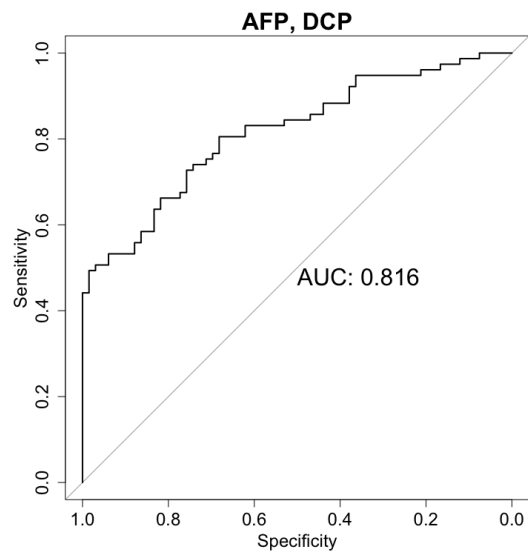
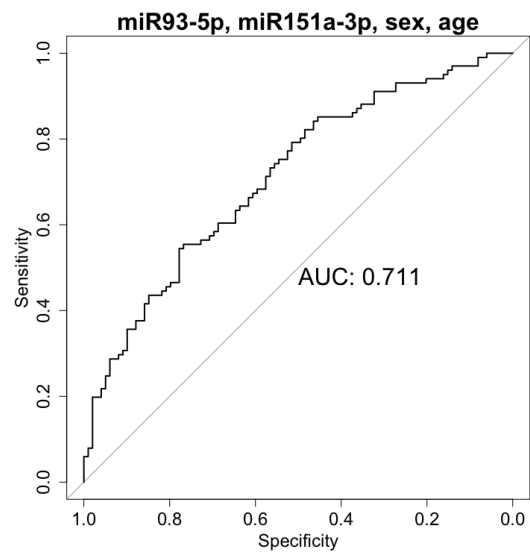
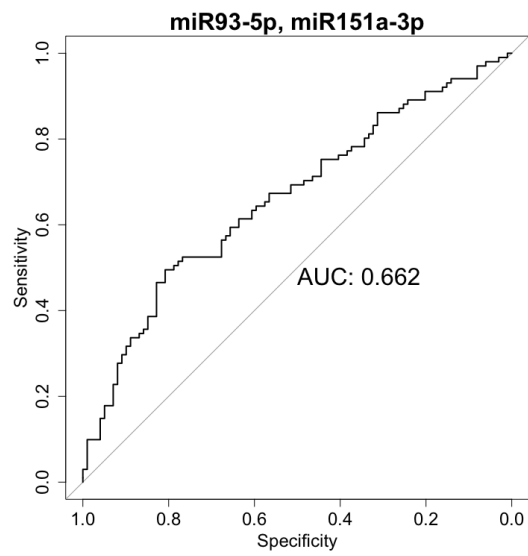
**Supplementary figure S1.** Principal component analysis (PCA) of microRNA for HCC and Cirrhosis. Principal component 1 (PC1) accounts for 24.23% while principal component 2 (PC2) accounts for 16.24%.

**Supplementary figure S2**



**Supplementary figure S2.** Hierarchical clustering with patients depicted in rows and microRNA in columns. The Color Key depicts the CT-value for each microRNA. The left row side colors represent patient category with blue = cirrhosis, orange = HCC and red = HCC + cirrhosis. There were no enrichments of either category in the clusters generated.

**Supplementary figure S3**



**Supplementary figure S3.** ROC curves for regression models depicted in Table 4 in main article. AFP and DCP in combination had a AUC of 0.816, but increased to 0.832 when miR93-5p and miR151a-3p were added. However, when sex and age were also included with AFP and DCP, the addition of miR93-5p and miR151a-3p did not improve the AUC further.