

## Supplemental figures

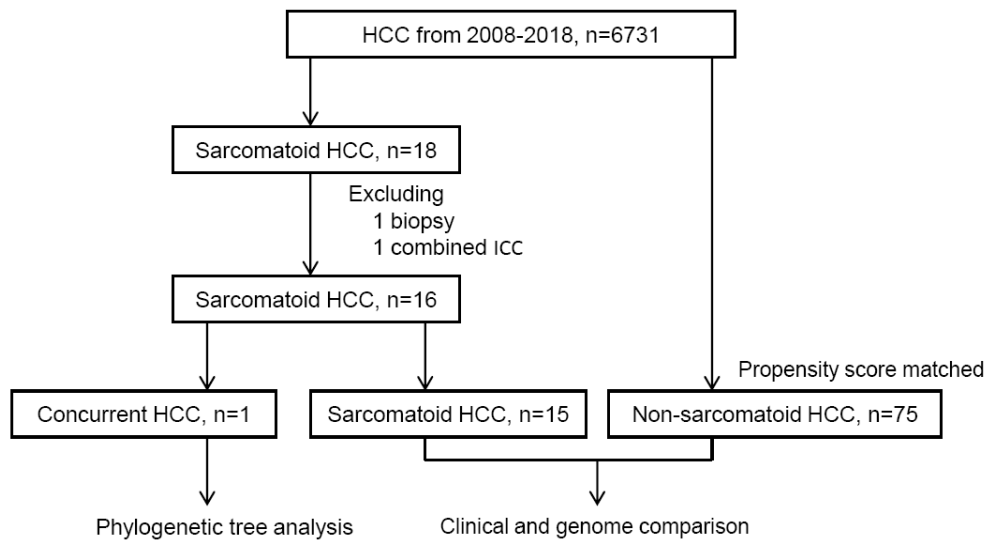


Fig. S1. Flow chart of patient selections.

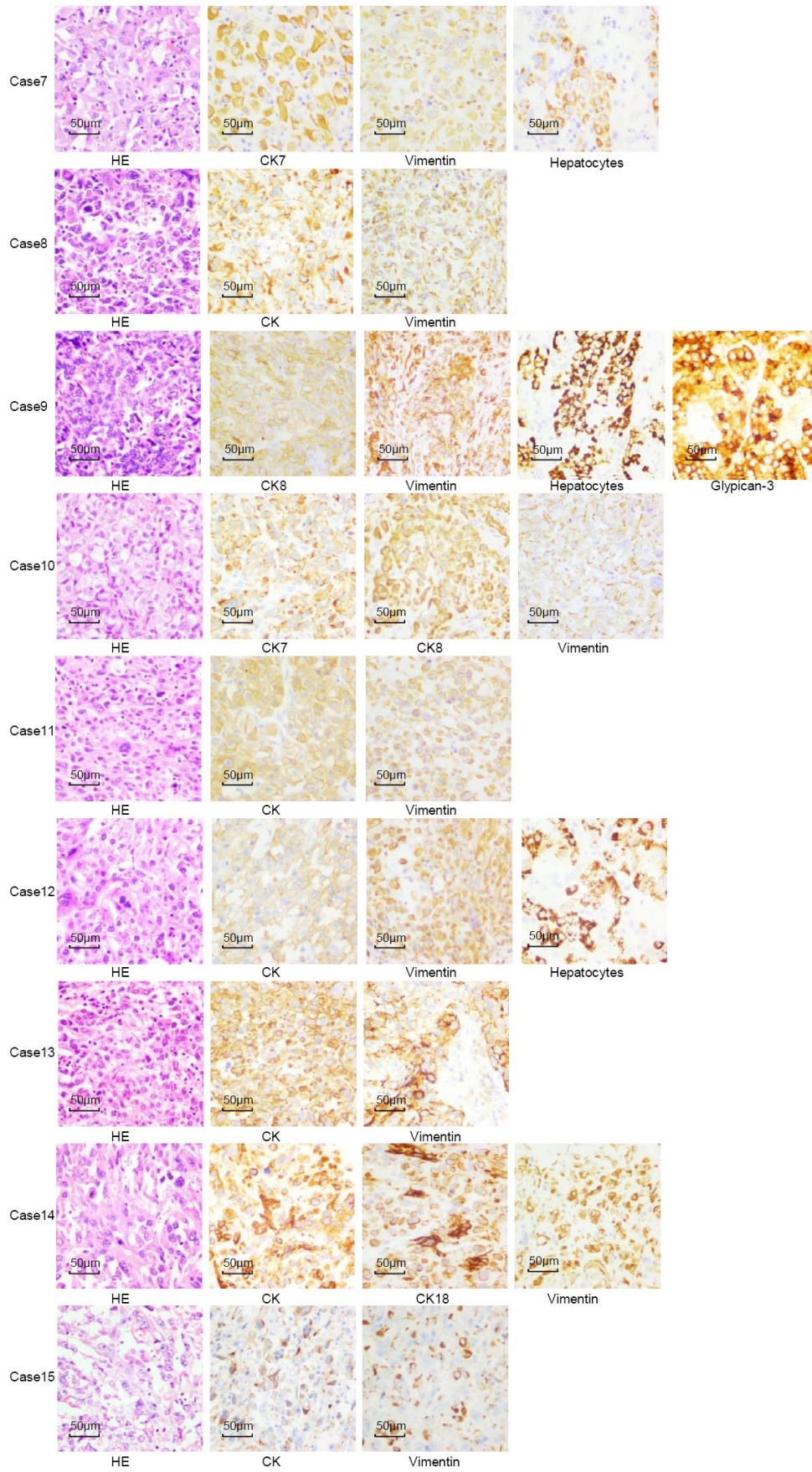
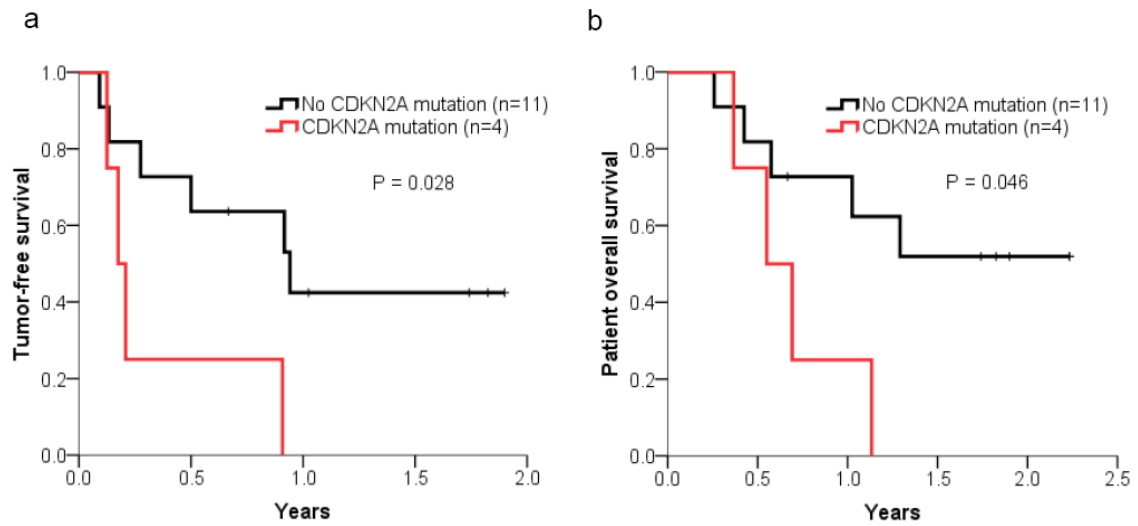


Fig. S2. The histopathological presentation of sarcomatoid HCC (case 7-15).



**Fig. S3.** The comparison of survival curves between sarcomatoid HCC patients with and without CDKN2A mutation. **a** tumor-free survival curves; **b** patient overall survival curves.

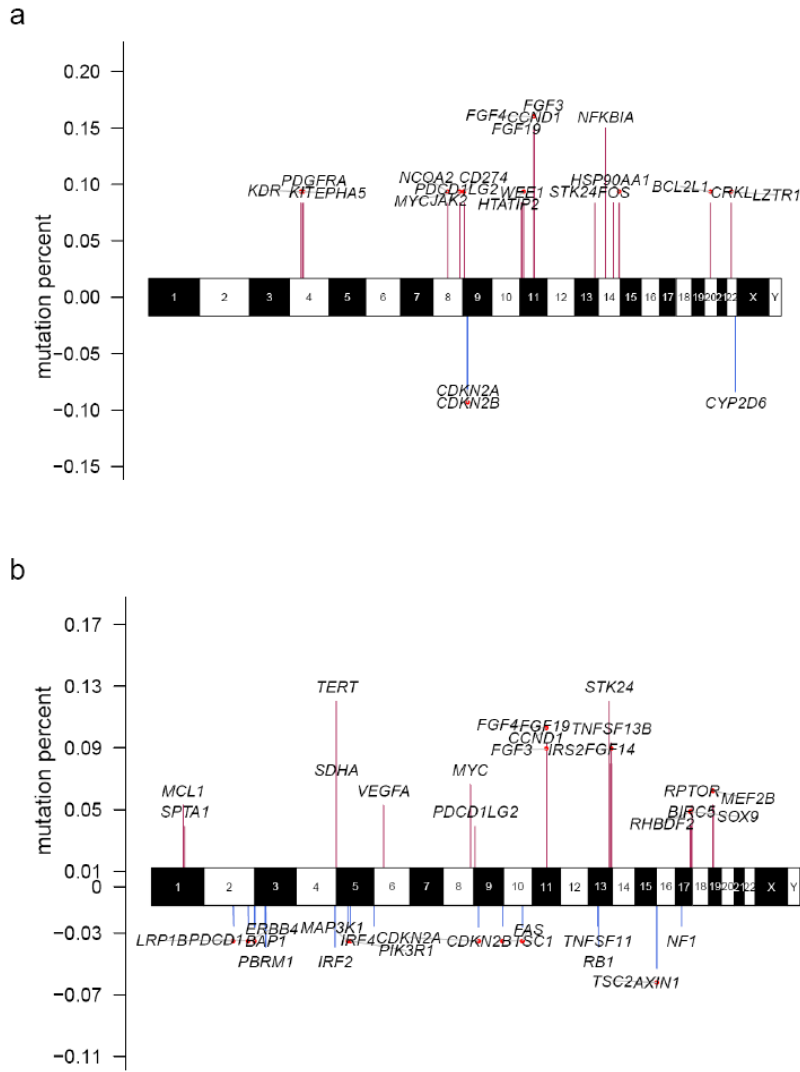
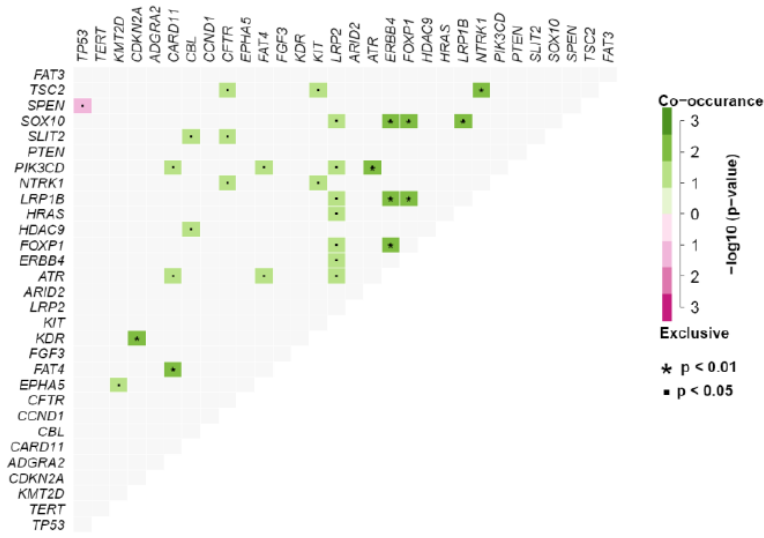


Fig. S4. Copy number variants in sarcomatoid HCC (a) and non-sarcomatoid HCC (b).

a



b

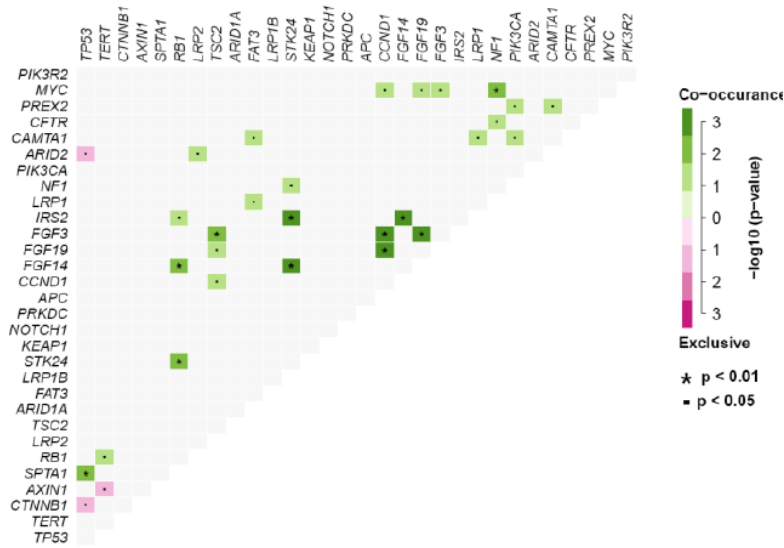


Fig. S5. Concomitant genomic alterations detected in sarcomatoid HCC (a) and non-sarcomatoid HCC (b).