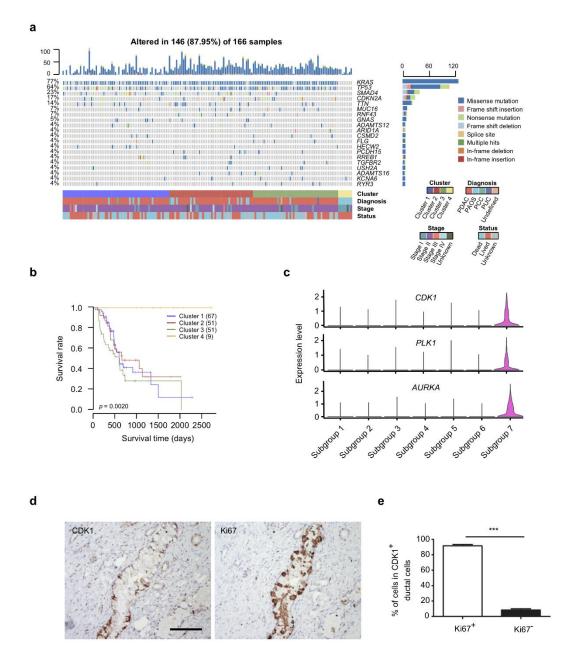
Supplementary information, Figure S4



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Figure S4. Unbiased Clustering and Survival Analysis of TCGA PAAD Samples Based on Malignant Ductal Markers, Related to Figure 4

(a) Integrated genomic information for 166 available PAAD samples. Genes were sorted by the mutation rate. Samples were labeled with the groups in Fig. 4a, clinical stage and status.

(**b**) Kaplan-Meier survival analysis of PAAD samples based on the clusters in Fig. 4**a**. The sample numbers for each cluster were shown in brackets. Statistical significance was determined by log-rank test.

(c) Violin plots showing the expression level of *CDK1*, *PLK1* and *AURKA* across the subgroups of malignant ductal cells. The y axis shows the normalized read count.

(**d**) IHC images of representative PDAC tissues from one patient stained for CDK1 and proliferative ductal cell marker (Ki67). Scale bar, 100 μm.

(e) Cells from (d) were assessed and quantified for the presence of CDK1⁺/Ki67⁺ or CDK1⁺/Ki67⁻ ductal cells. Three independent experiments were performed. The *P* value was calculated using Student's *t*-test. Error bars indicate the standard deviation. *** represents *P*<0.001.