

## Appendix B

# The evolutionary history of breast adenocarcinoma

This appendix contains the evolutionary history of breast adenocarcinoma, which was constructed as part of Gerstung et al. (2017). It is referenced in Chapter 5.

The figure on the next page shows the summary of all results obtained per cancer type (a) Clustered heatmaps of mutational timing estimates for gained segments, per patient. Colours as indicated in main text: green represents early clonal events, purple represents late clonal. (b) Relative ordering of copy-number events and driver mutations across all samples per cancer type. (c) Distribution of mutations across early clonal, late clonal and subclonal stages, for the most common driver genes per cancer type. A maximum of 10 driver genes are shown. (d) Clustered mutational signature fold changes between early clonal and late clonal stages, per patient. Green and purple indicate, respectively, a signature decrease and increase in late clonal from early clonal mutations. Inactive signatures are coloured white. (e) As in (d) but for clonal vs. subclonal stages. Blue indicates a signature decrease and red an increase in subclonal from clonal mutations. (f) Typical timeline of tumour development, per cancer type.

# Supplementary Fig. 1. Breast-AdenoCA

