



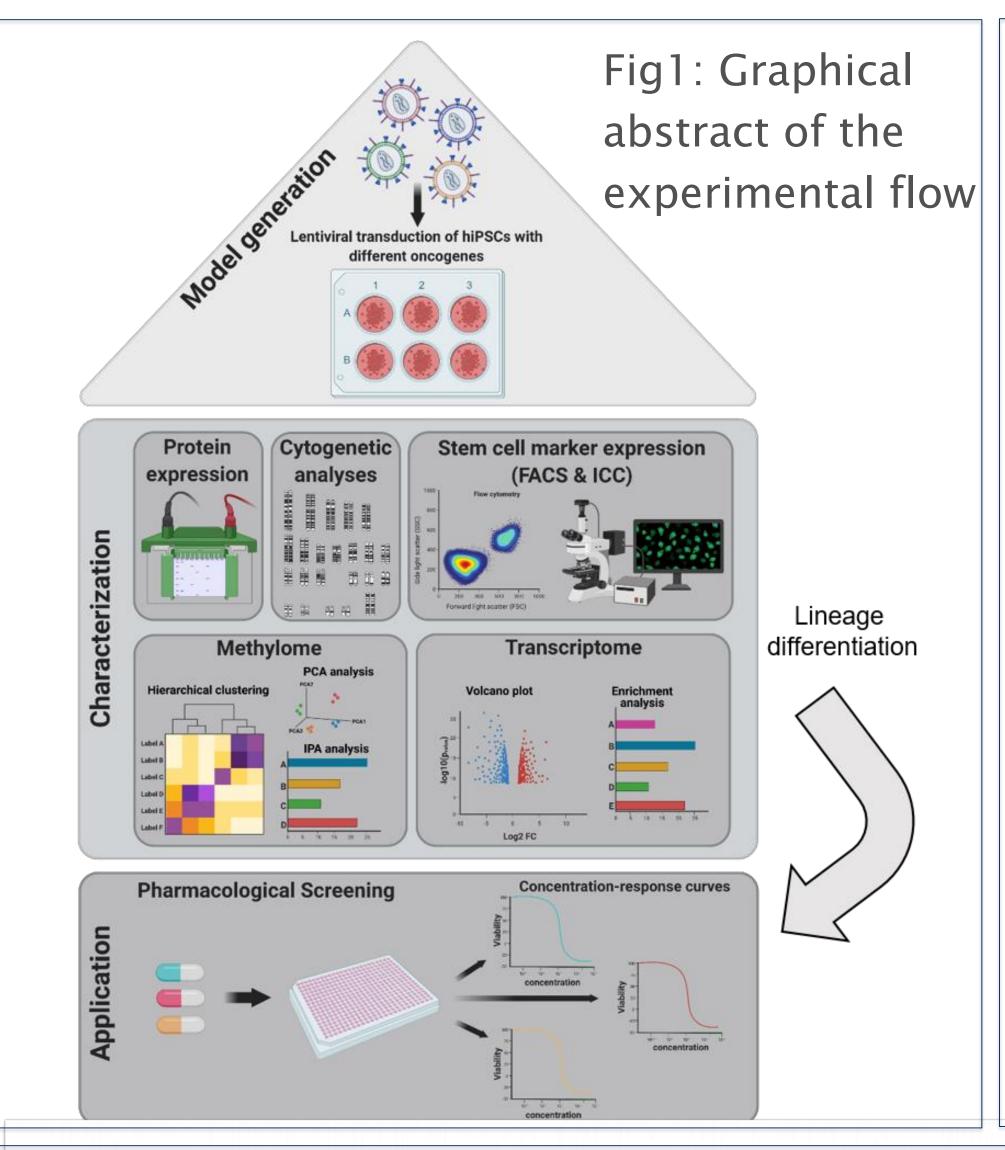


Progenitor cells from gene-engineered human induced pluripotent stem cells as synthetic cancer alternatives

Background:

Recent studies revealed limitations in genetic stability and recapitulating accurate pathophysiological properties of patient-derived (PD) cancer models opposing challenges for reproducible and translational research. Recent studies revealed limitations in genetic stability and recapitulating accurate pathophysiological properties of patient-derived (PD) cancer models opposing challenges for reproducible and translational research. In an attempt to develop functional cancer test systems in alternative to PD models, we have genetically engineered a portfolio of isogenic human induced pluripotent stem cells with different pan-cancer relevant onco-protein signatures.

Results:



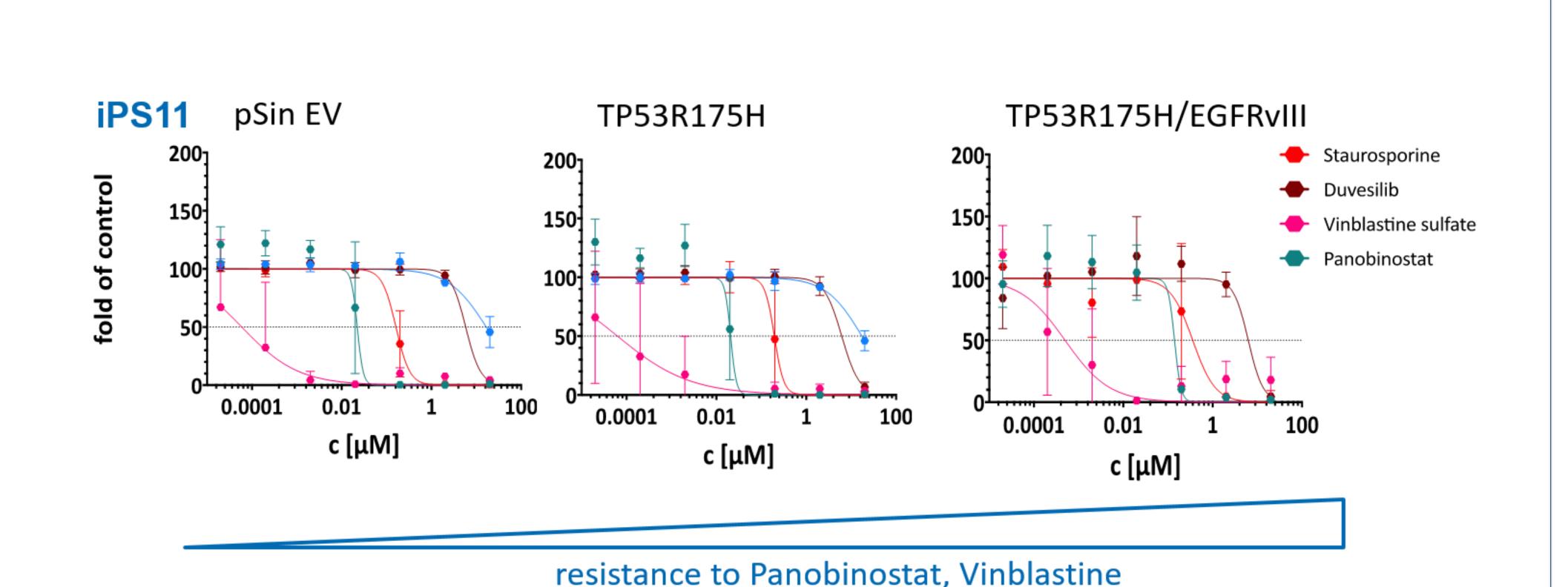
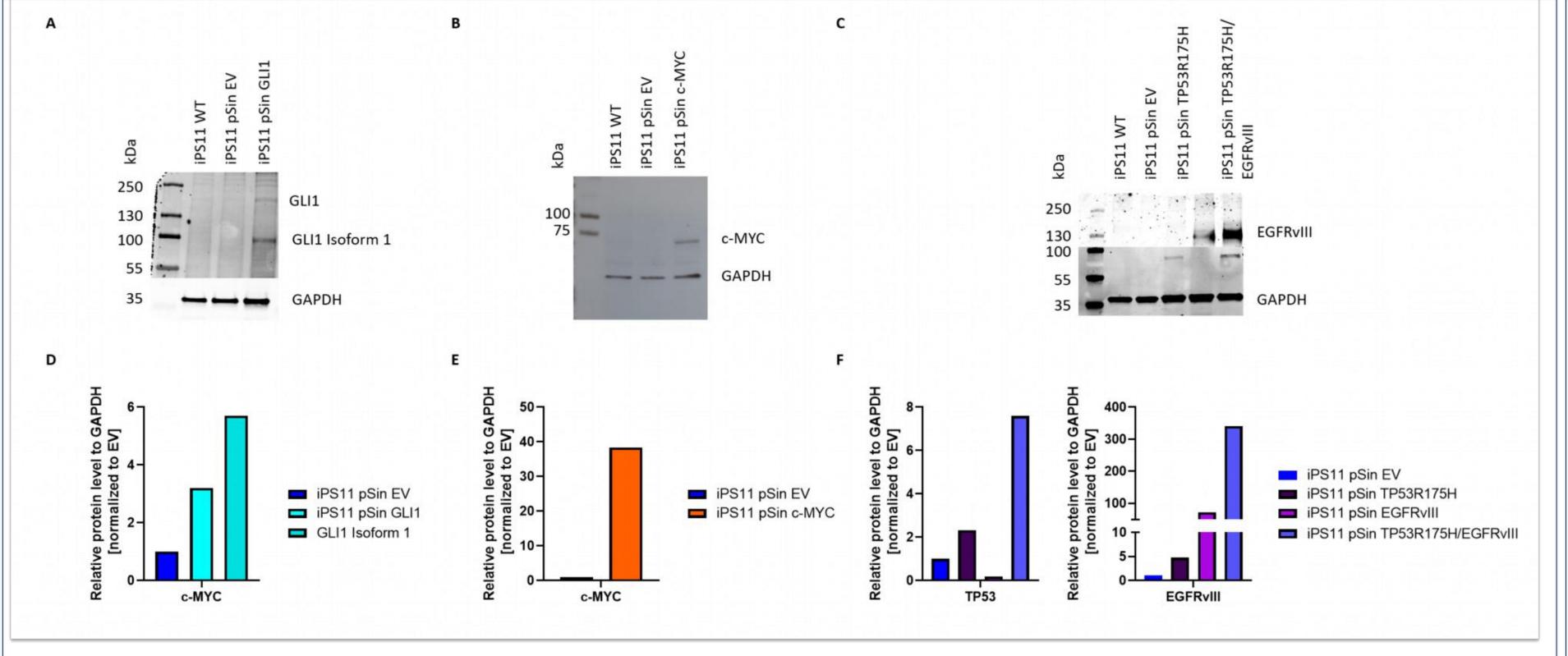
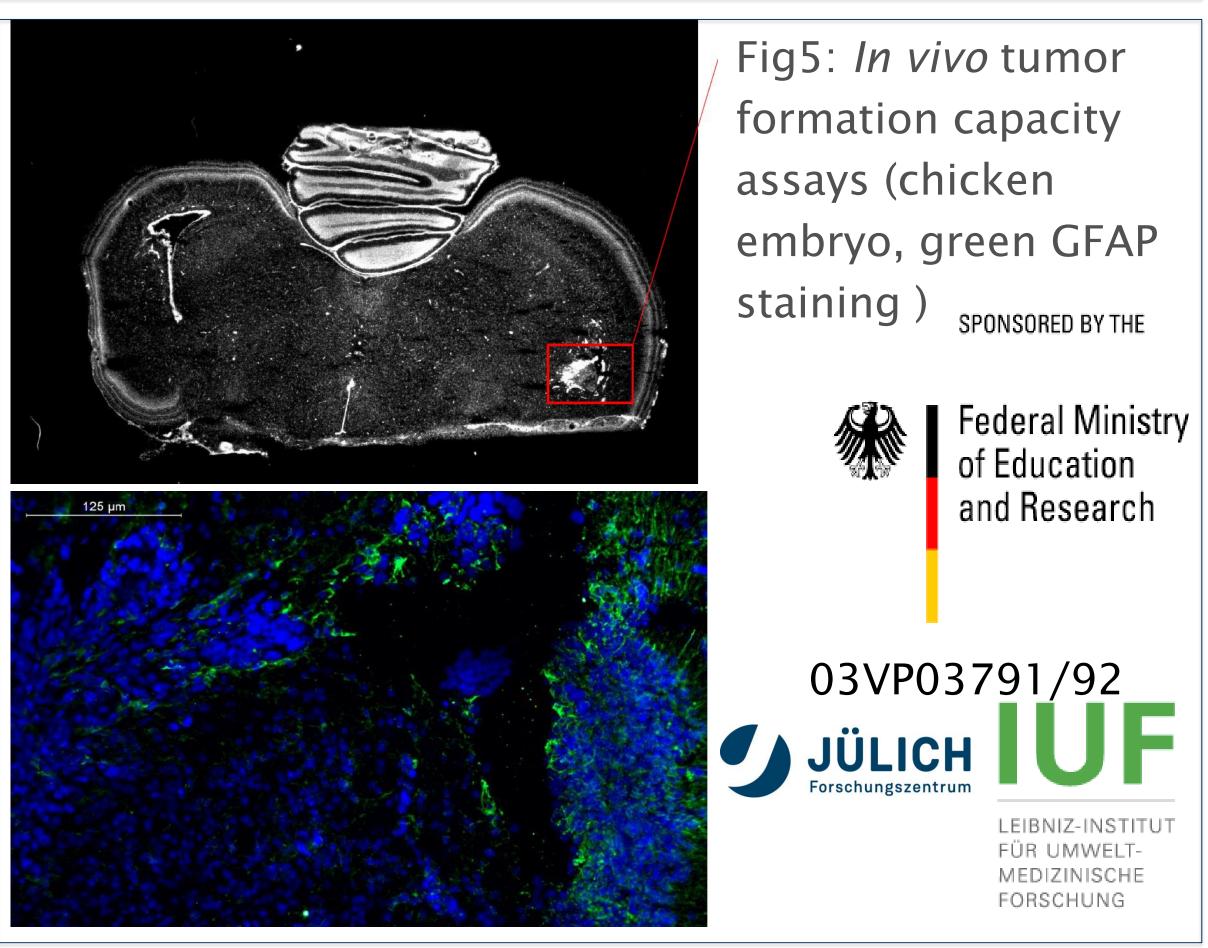
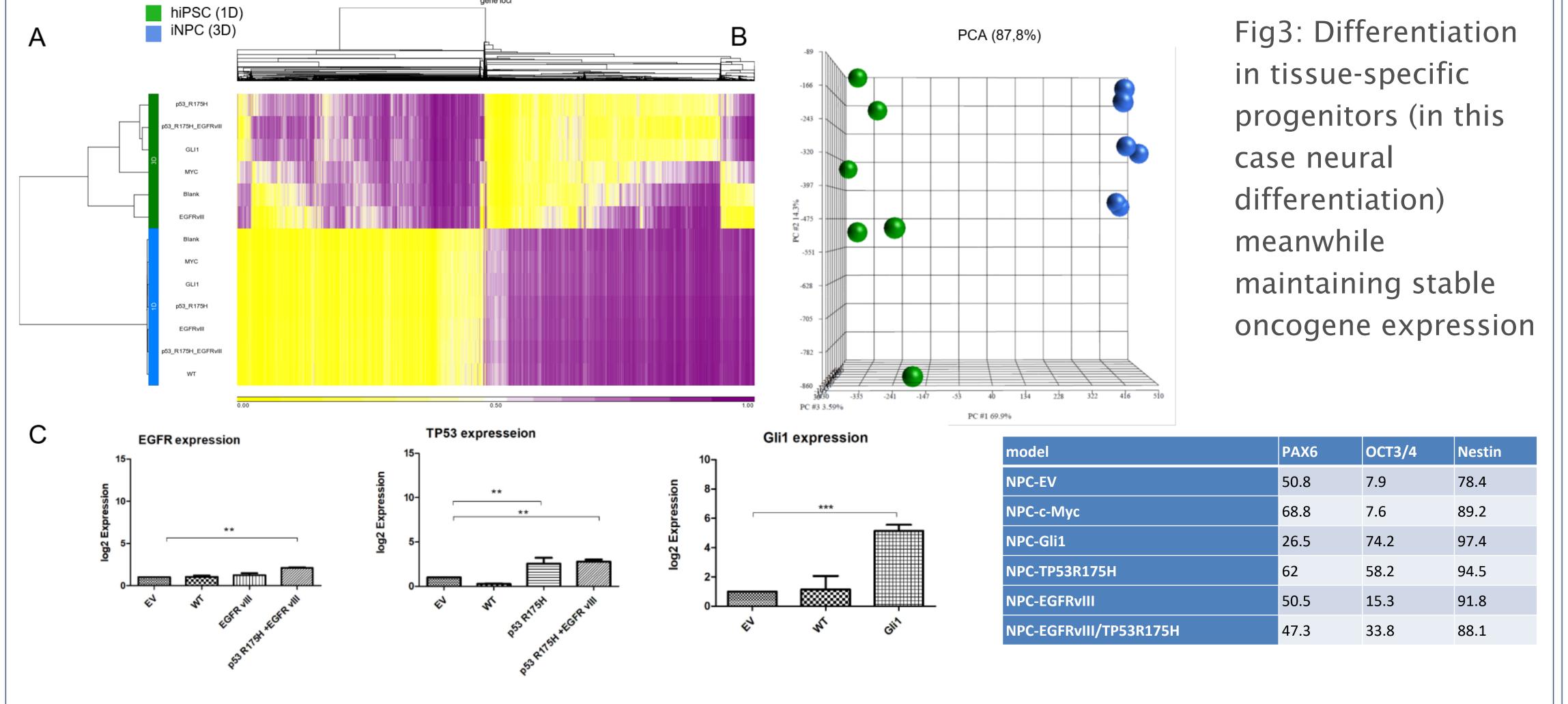


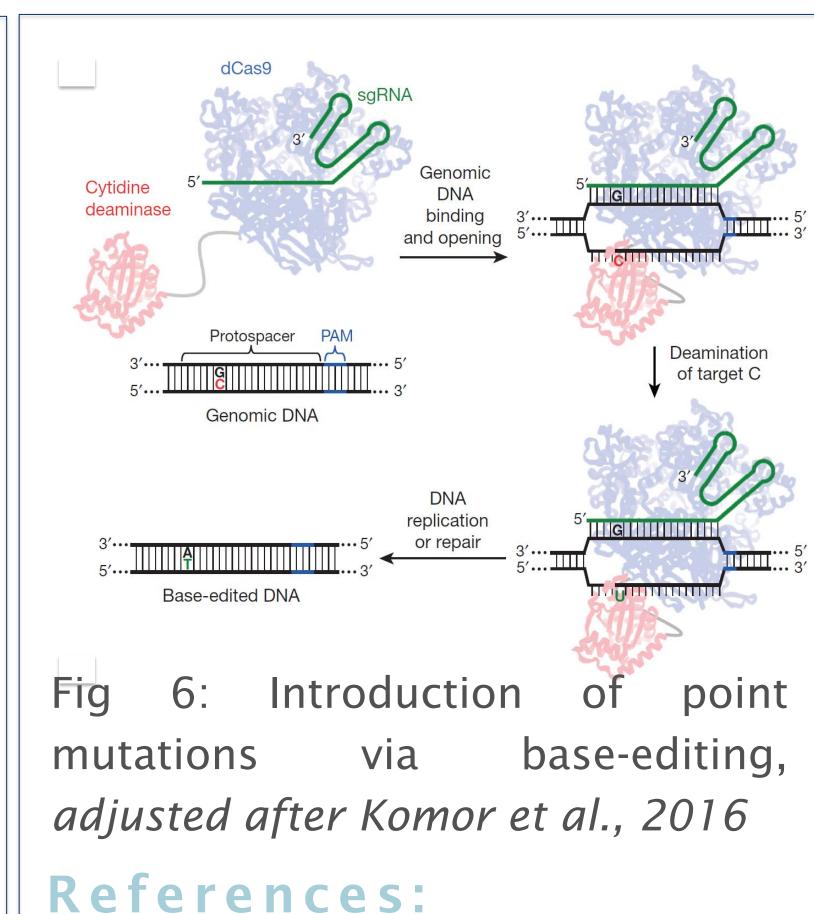
Fig4: Identification of altered resistance levels towards substance interventions in a highly biomarker-specific, isogenic controlled conditions











[1] Uhlmann et al., 2022;

[2] Kahn et al., 2021;