Supplemental Figure 1

Statistical analysis plan.

- **dMMR vs. MSI comparison**
  - **Cohort:** 70 ICI LOT with both biomarkers available

- **Assessment of differences between patients MSI-H and MSS**

- **Assessment differences in outcomes: TTNT and TTD**

- **Likelihood ratio test to compare MSI (NGS) vs. dMMR (IHC)**

- **1st Line ICI vs. Chemo**
  - **Cohort:** 371 patients (28 ICI, 343 Chemo)

- **Assessment of differences between MSI-H on chemo vs. MSI-H on ICI vs. MSS on chemo vs. MSS on ICI**

- **Prognostic Risk Score Generation among patients treated with chemo**

- **Multivariable analysis of TMB prediction**

- **MSI vs. TMB comparison**
  - **Cohort:** 1,097 LOT with tissue specimens profiled with CGP

- **Assessment of TMB (continuous) by MSI status**

- **Interaction term assessment between 1st line therapy and molecular biomarkers (MSI and TMB status)**

- **Assessment of differences in outcomes: TTNT and OS**