

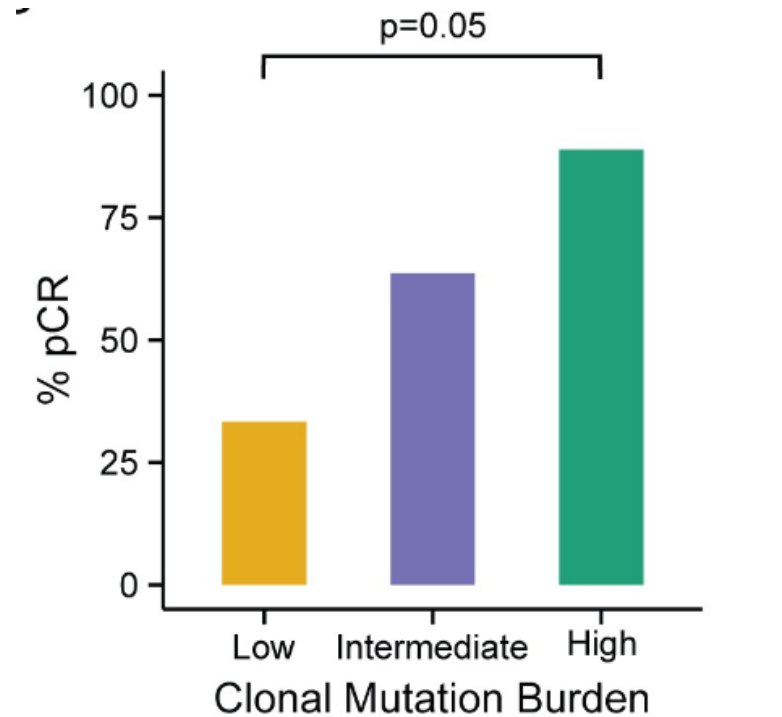
Clonal Mutation Burden Analysis for PCAWG Somatic SNVs

Xiaotong Li

Predictors of Chemosensitivity in Triple Negative Breast Cancer: An Integrated Genomic Analysis

Tingting Jiang, Weiwei Shi, Vikram B. Wali, Lórin S. Pongor, Charles Li, Rosanna Lau, Balázs Gyórfy, Richard P. Lifton, William F. Symmans, Lajos Pusztai, Christos Hatzis

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pCR, pathologic complete response

- **Mutational Burden and Clonality as Predictors of Chemosensitivity in Triple Negative Breast Cancer**
 - **Methods**
 - Combine **mutation rate** (MR) and **mutant allele tumor heterogeneity** (MATH) into a composite score, as **Clonal Mutation Burden** (CMB)
 - Captures both the clonality of a tumor and the number of somatic mutations per clone.
 - MR and MATH scores were **median-dichotomized** in the cohort, and CMB categories were defined as **low** (low MR, high MATH), **high** (high MR, low MATH), or **intermediate** (all others).
 - Tumors with high CMB appear to be extremely chemosensitive.

Distribution of cancer samples in each CMB category

