

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: List of cell lines included in at least one of the two individual screens with cross-institute identifiers, lineage and cancer subtype annotations and dataset of origin.

File Name: Supplementary Data 2

Description: Top 10 list of enriched MsigDB gene sets found for the first two principal components of the CRISPRcleanR processed dataset.

File Name: Supplementary Data 3

Description: List of significant tissue specific biomarker and dependency associations under the three different pre-processing methods and four batch correction pipelines.

File Name: Supplementary Data 4

Description: List of common essential genes with associated Tiers.