**Annotated Cluster Multidimensional Enrichment (ACME) Analysis of Small-Molecule Cancer Cell-Line Sensitivity Profiling Data**

CTRPv2.2\_2015\_pub\_CancerDisc\_5\_1210.zip

Reference: Seashore-Ludlow, B., et al., Harnessing Connectivity in a Large-Scale Small-Molecule Sensitivity Dataset. Cancer Discovery (2015) 5:1210-1223.

The package contains 8 data files, a README file that describes the data, and a COLUMNS file of descriptions of column headers shared by the 8 data files.

***metadata files***

* **v22.meta.per\_compound.txt:** contextual compound information and annotation
* **v22.meta.per\_cell\_line.txt:** contextual cancer cell line information and annotation
* **v22.meta.media\_comp.txt:** basal media names and short description of media additives

***annotation files***

* **v22.anno.cpd\_protein\_targets.txt:** annotation mapping between compounds and protein targets
* **v22.anno.ccl\_anno\_features.txt:** annotation mapping between cell lines and cellular annotations (such as tissue of origin, histological terms)
* **v22.anno.ccl\_mut\_features.txt:** annotation mapping between cell lines and mutation annotations

***data files***

* **v22.data.auc\_sensitivities.txt:** unpivoted table of area-under-concentration-response curve (AUC) sensitivity scores for each cancer cell line and each compound
* **v22.acme\_hotspots.txt:** table of ACME-derived associations between enriched protein targets and cellular or genetic features of cell lines, including all relevant statistics