

Supplemental Information.

Large-scale cytological profiling uncovers novel functions for hundreds of compounds

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Inventory of Supplemental Information.

Figure S1. High-resolution heat map of cytological profiles clustered by similarity (Euclidean distance, average linkage). Related to Figure 2.

Table S1. Cytological profiling data (as HD scores) for 399 compound-dose instances after eliminating instances due to weak phenotypes and toxicity. List of cytological features, their corresponding feature categories, compounds, and corresponding compound classes. Related to Figure 2.

Table S2. Data used for input into GSEA analysis. Sheet 1: Cytological profiling data for input into GSEA (.gct file). Sheet 2: Compound classes (.cls file). Sheet 3: Cytological feature categories (.gmt file). Related to Figure 3.

Figure S2. Chart showing compound-dose instances rank ordered by phenotypic vector magnitude, showing elimination of weak phenotypes and toxic instances. Related to Figure 5.

Table S3. Mode of Action Activity Rank (MAR) scores. Related to Figure 6.