Contents in supplementary dataset (provided in zip file)

- MAGENTA_supplementary_dataset.xlsx –this file contains the drug interaction training and validation data
 - the sheet 'triplet predictions' contains the experimental drug interaction validation data for 56 three-way combinations
 - the sheet 'media predictions' contains the experimental drug interaction training data for MAGENTA
 - the sheet 'media predictions test' contains the experimental drug interaction validation data for 55 two-way combinations measured in glycerol media
 - the sheet 'acinetobacter' contains the experimental drug interaction validation data for 15 two-way combinations in three conditions – LB, glucose and glycerol for A. baumannii
- ecoli_acinetobacter_orthologs.xlsx this file contains the list of orthologs between E. coli and A. baumannii
- MAGENTA_tutorial.m this MATLAB file reproduces all the results in the manuscript

The raw experimental data used in our study are provided in the following files -

- Ecoli_screens.xlsx All pairwise interactions among 8 drugs in 2 conditions, corresponding to 16 384-well microplates (Displayed in Figure 1).
- Ecoli-triplets.xlsx All 3-way interactions among 8 drugs, corresponding to 4 microplates (Displayed in Figure 2).
- Ecoli-M9Glycerol.xlsx All pairwise interactions among 11 drugs in glycerol media, corresponding to 10 microplates (Displayed in Figure 3).
- Abaumannii_screens.xlsx All pairwise interactions among 6 drugs in three different media in A. baumannii, corresponding to 6 microplates (Displayed in Figure 4).