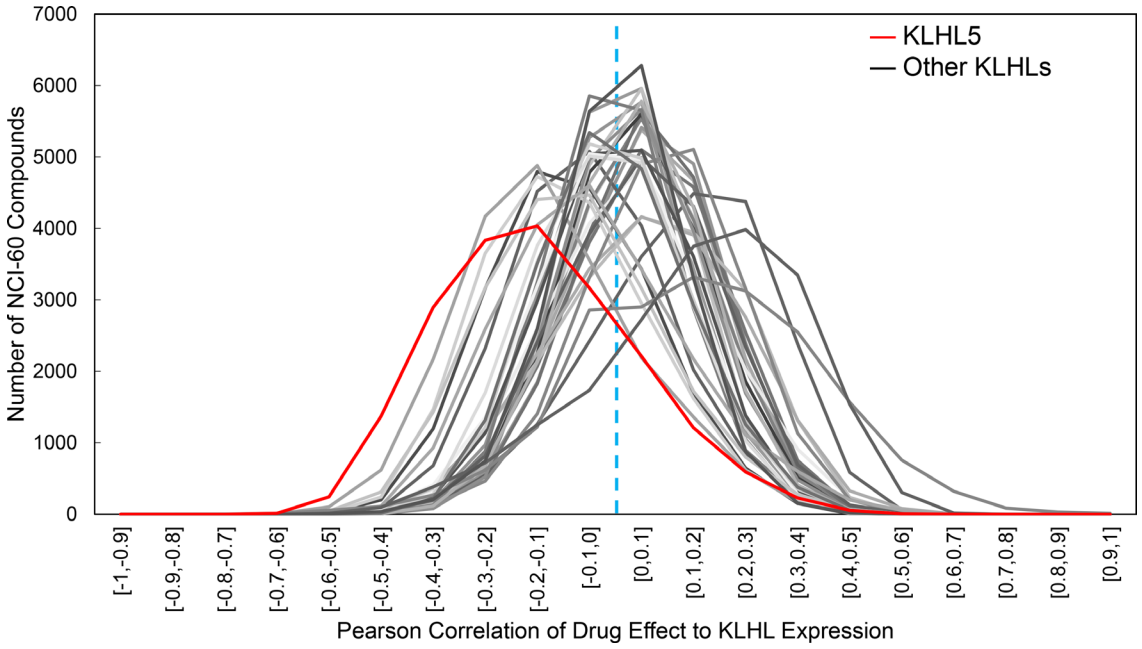
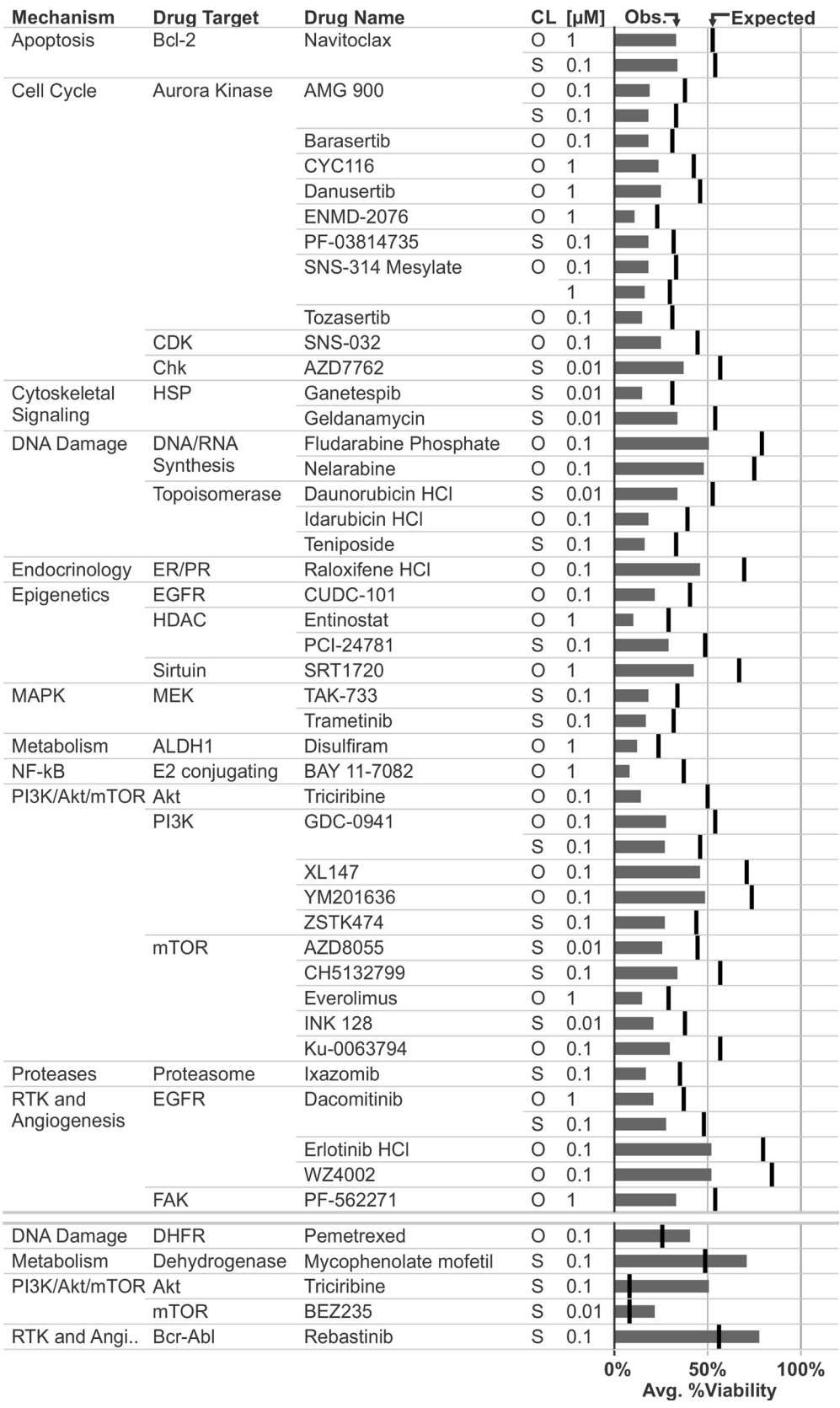
KLHL5 knockdown increases cellular sensitivity to anticancer drugs

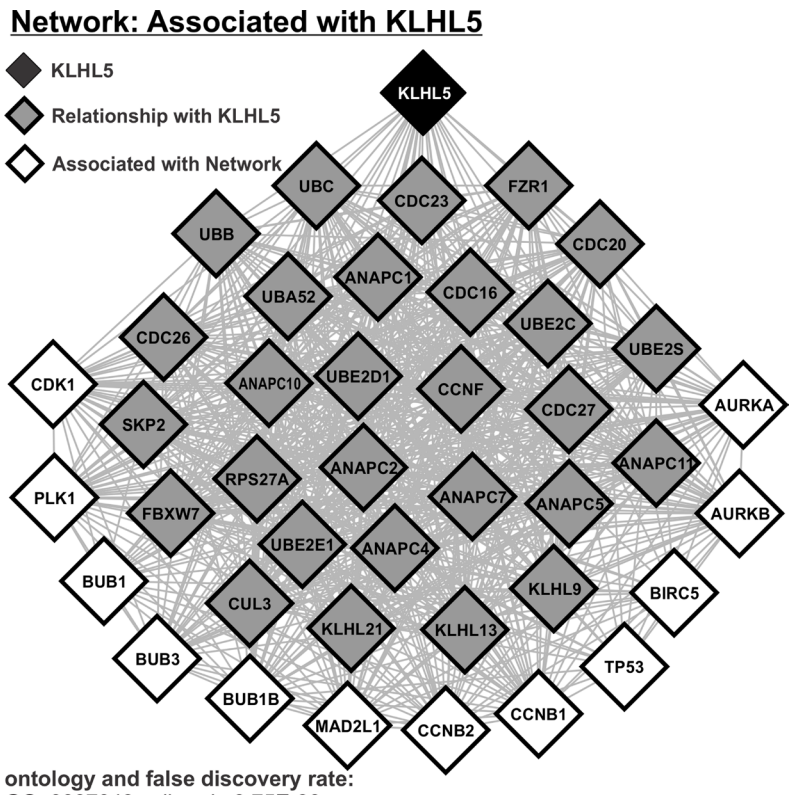
SUPPLEMENTARY MATERIALS

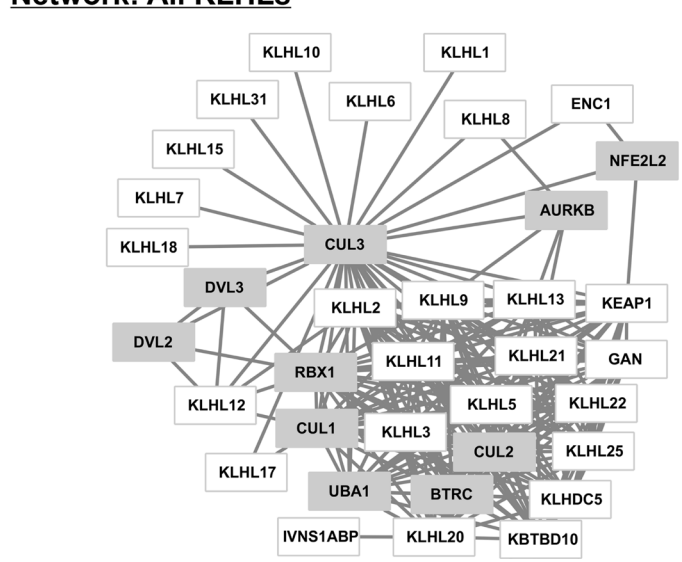


Supplementary Figure 1: Pearson correlations between KLHLs and anticancer compounds. Histogram for KLHLs indicates that KLHL5 possesses a high number of moderate or high negative correlations with compounds (< –0.4) and a distribution of correlations with the ~20,000 compounds that is shifted in distribution towards a negative correlation.



Supplementary Figure 2: Highly synergistic/antagonistic drugs with KLHL5 knockdown. Drugs with highest synergy or antagonism with KLHL5 knockdown. Cell line (CL) SN12C (S) was treated at 0.1 and 0.01 µM concentrations and OVCAR-8 (O) was treated at 1 and 0.1 µM concentrations. The viabilities upon treatment with compounds with the highest differences between the expected (knockdown only x drug only) and observed (knockdown and drug combined treatment) from the screening tests are shown.





Supplementary Figure 3: STRING network analysis. String-db.org was consulted for information about interactions between KLHLs as well as proteins known or suspected to associate with KLHL5.