2016-09-26 (Positive) Control compounds based on Gustafsdottir 2013 data

(Gustafsdottir / data fusion 2016-06-19_cb72f0f1)

Summary :

Control Type	Compound 1	Compound 2	Comment	Images
Positive	**Fenbendazole** **BRD-K51318897-001-04-7**	**Parbendazole** **BRD-K02407574-001-03-0**	Similar phenotypes expected	
Positive	**Cycloheximide**	**Emetine dihydrochloride**	Similar phenotypes expected; but different from the previous pair of compounds	
Negative	**Adiphenine-hydrochloride** **BRD-K60907894-003-04-5**	**Repaglinide** **BRD-K82846253-001-03-0**	Both do not show any phenotype	

Here the active compounds are selected based on replicate correlation and distance from DMSO (in two stages). A total of 231 compounds are identified as hits.

The compounds are then processed in the order of their phenotype strength (distance from DMSO). To ensure diversity, a compound is added to the following list if its signature is not correlated more than 0.379 (cut-off threshold for selecting hits) to every already selected compound.

	Broad ID	Compound Name	Phenotype strength (distance from DMSO)	MOA (Top interacting gene in brackets)