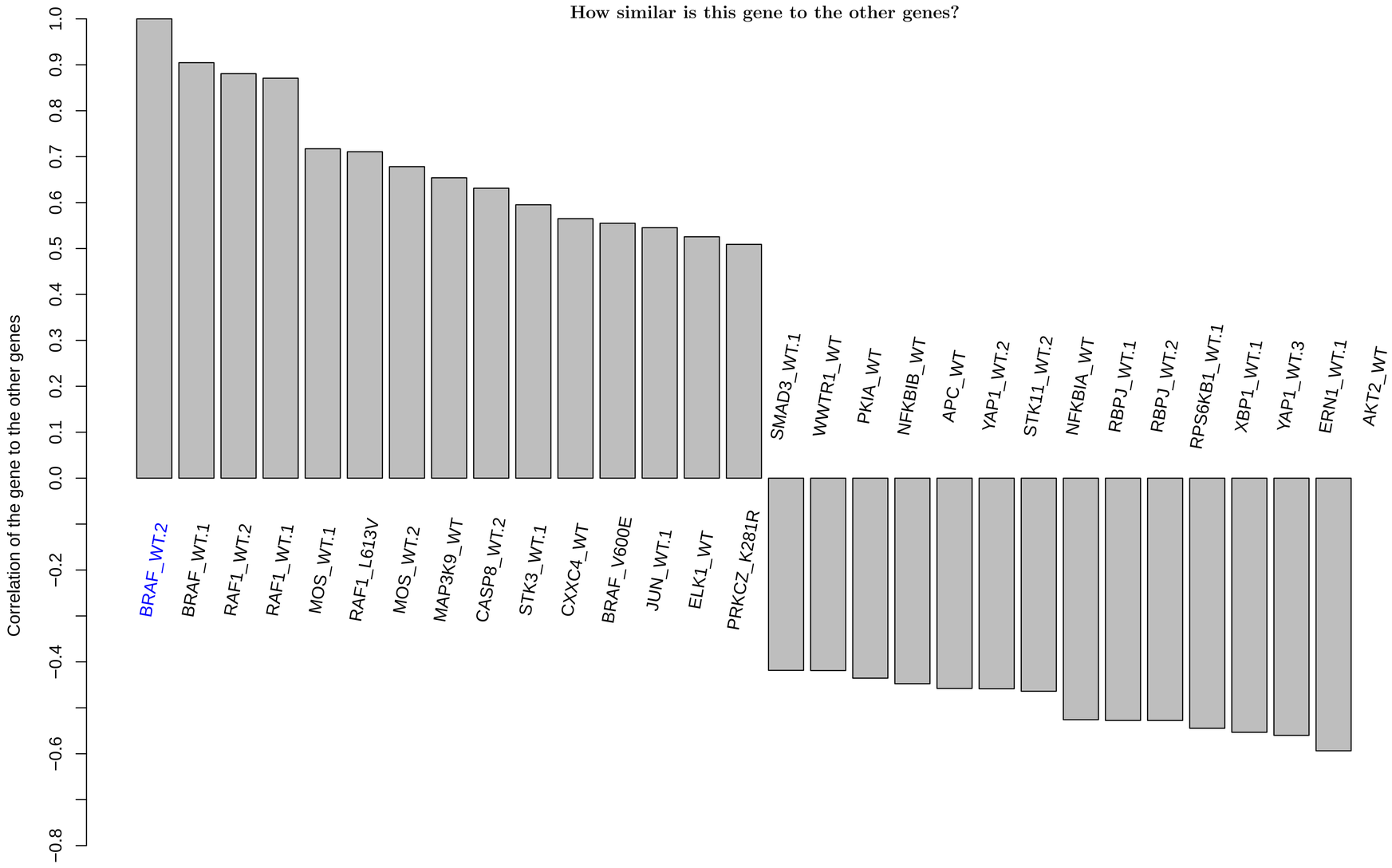
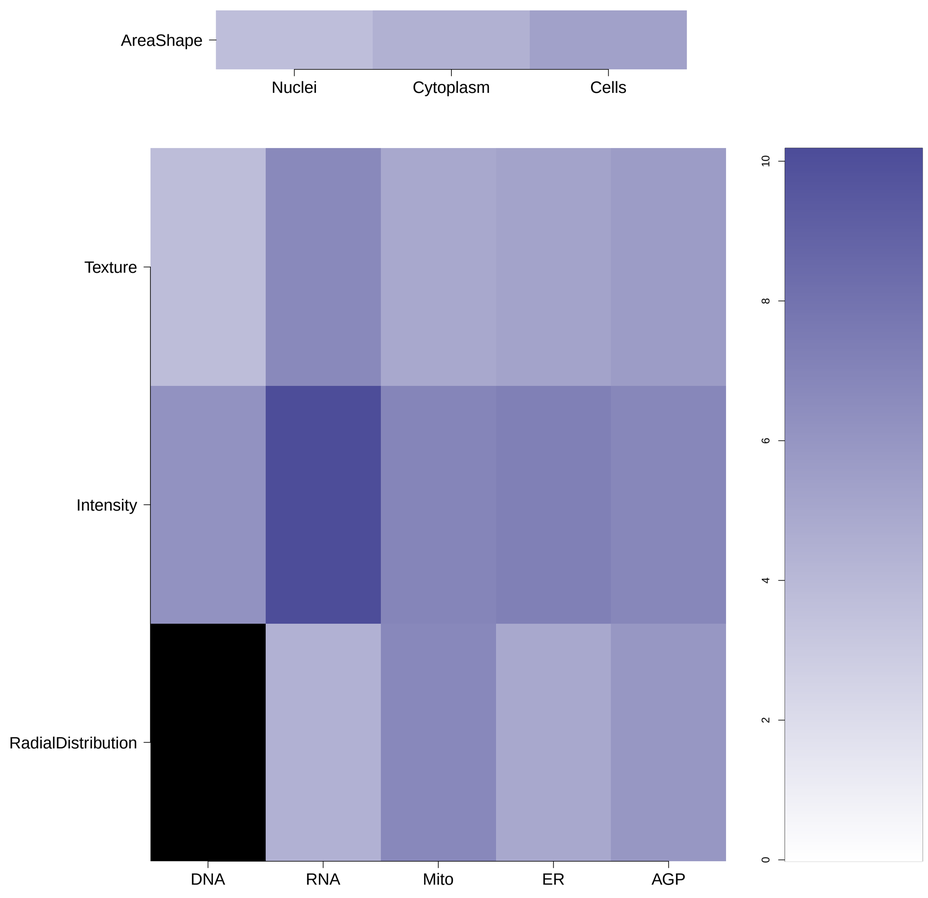
BRAF_WT.2 - in Canonical MAPK

How similar is this gene to the other genes?



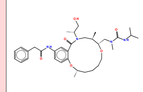
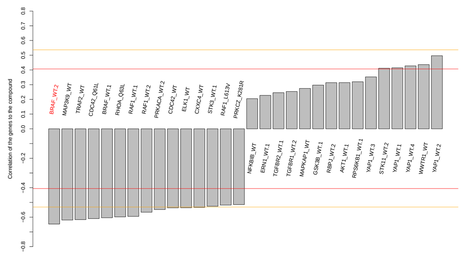
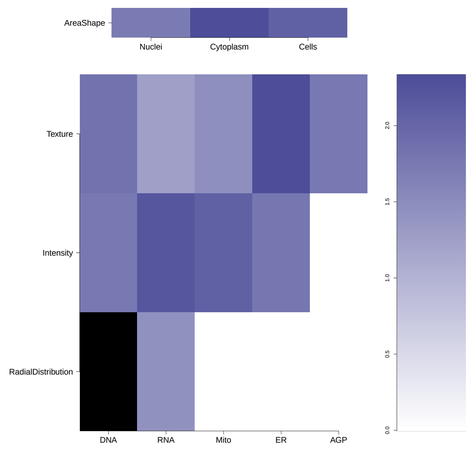
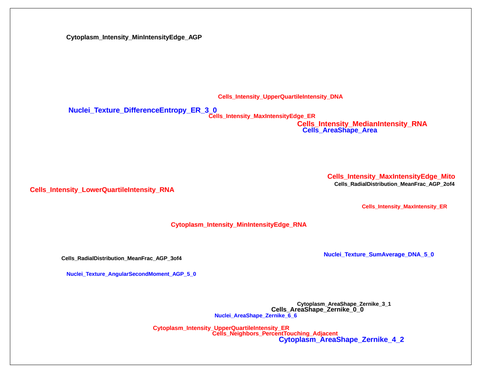
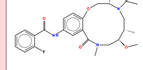
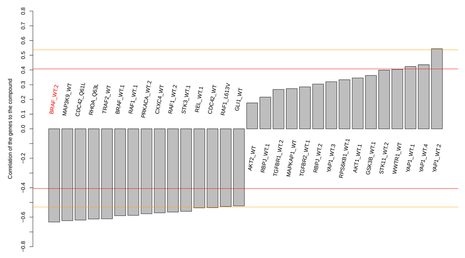
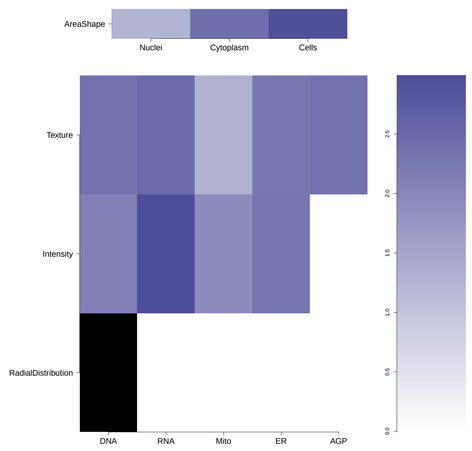
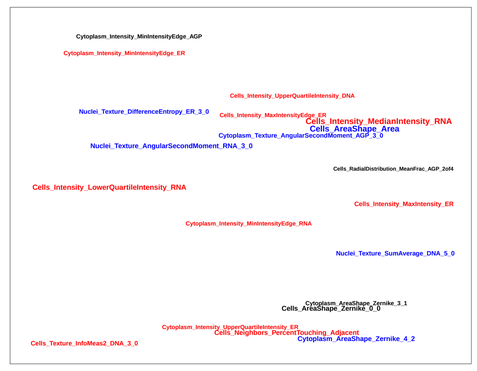
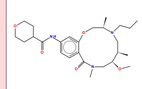
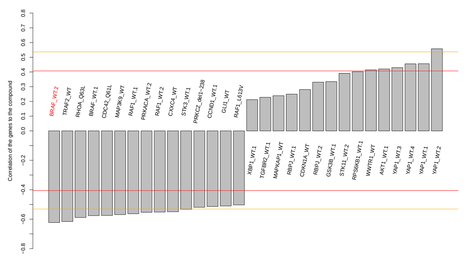
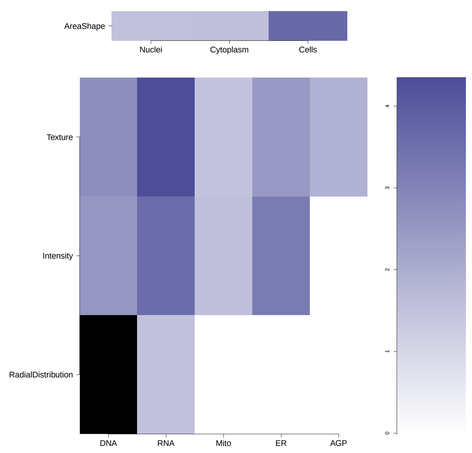
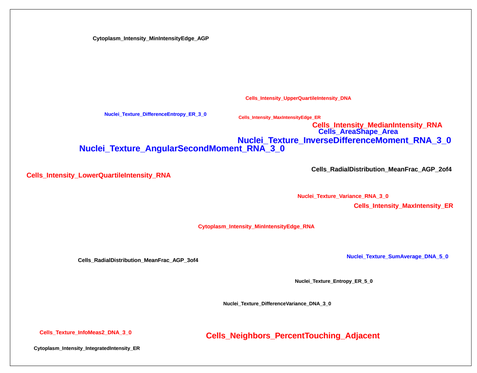
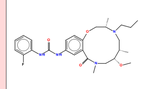
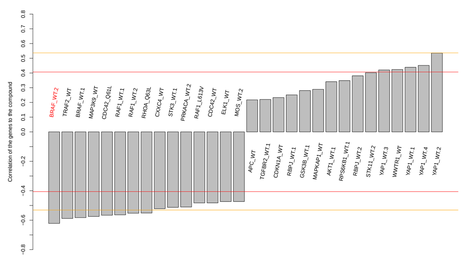
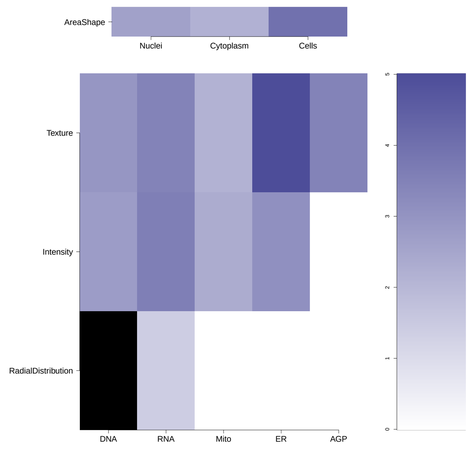
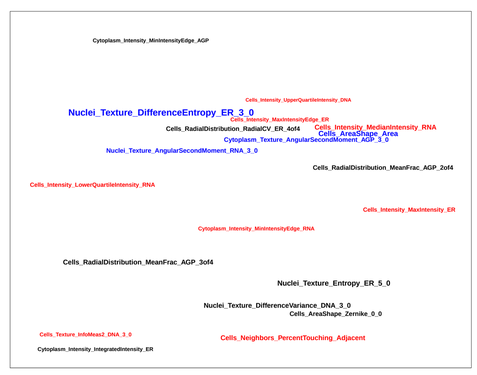
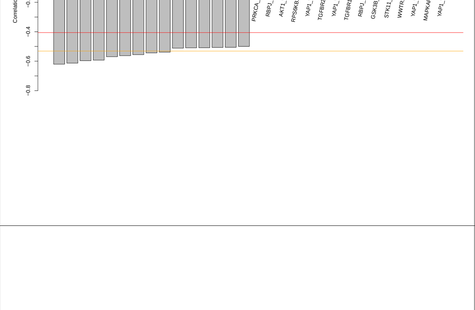
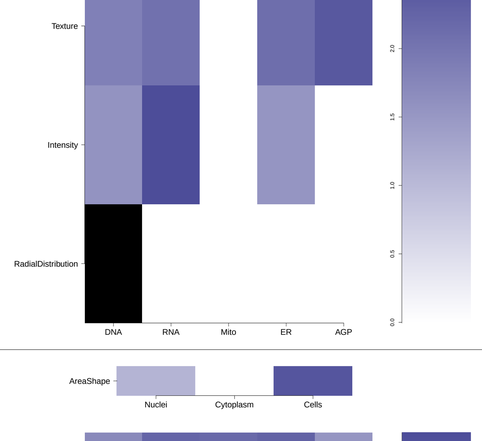
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the category

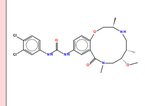
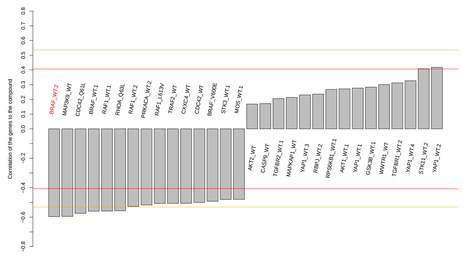
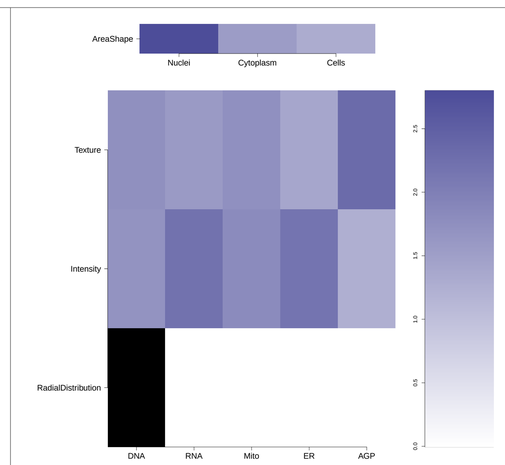
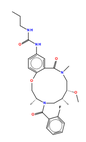
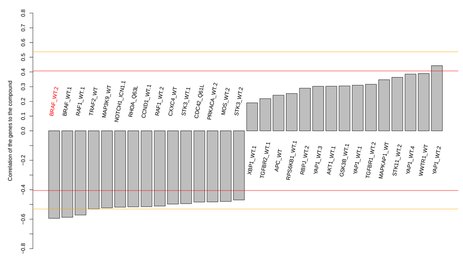
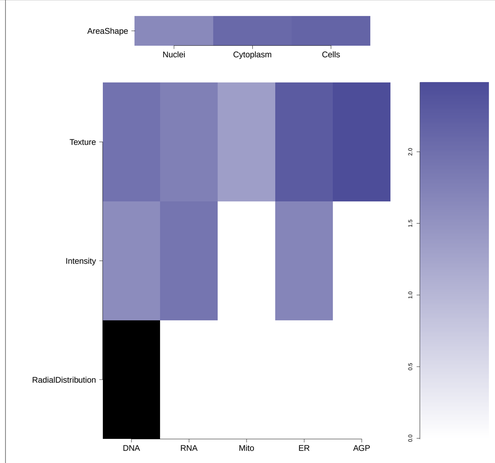
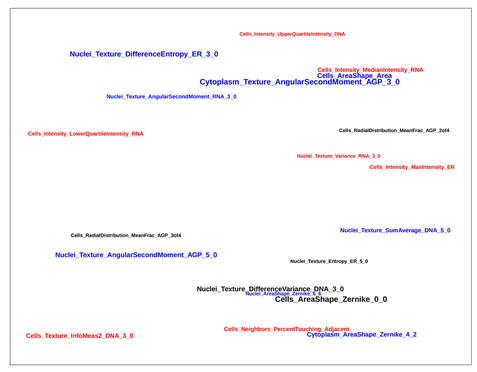
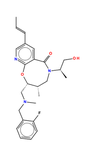
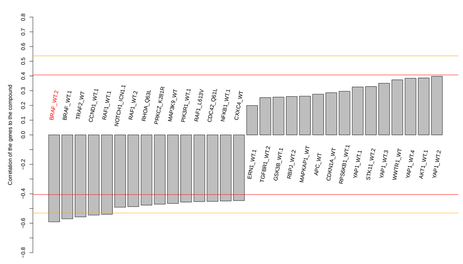
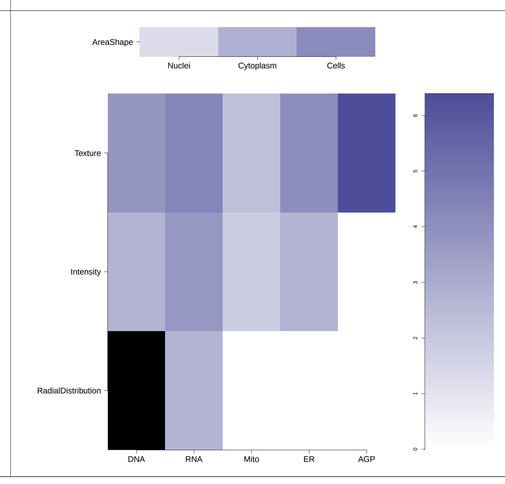


Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

	Empty	BRAF_WT.2 (41744)	BRAF_WT.2 (41755)	BRAF_WT.2 (41756)	BRAF_WT.2 (41757)	BRAF_WT.2 (41754)
RNA						
ER						

Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.52)	Correlation between compound the gene	Compound rank when scored against the gene using L1000 profiling	How similar is the compound signature to the genes in this experiment? (Yellow and red lines correspond to top/bottom 1st and 5th percentile DMSO correlation to all the genes)	Common distinguishing feature categories in the compound and the gene relative to the untreated samples	Distinguishing individual features for the compound relative to untreated samples. Black means a mismatch; i.e. active (= high z-score in magnitude) in the compound, and either inactive (= small z-score in magnitude) or oppositely active in the gene	Number of PubChem assays in which the compound was tested; assays in which the compound was active are itemized

BRD-K86621086-001-01-0 PubChem CID : 44494594		0.80 (in 4 replicates)	-0.65	NA				Total number of assays tested in: 50. Active in the following assays: • HTS for the detection of C. neoformans cell lysis via adenylate kinase (AK) release Measured in Microorganism System Using Plate Reader - 2162-01_Inhibitor_SinglePoint_HTS_Activity (AID 651654)
BRD-K92096002-001-01-8 PubChem CID : 54632208		0.71 (in 4 replicates)	-0.63	0.206				Total number of assays tested in: 39. Active in the following assays: • DENV2 CPE-Based HTS Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2149-01_Other_SinglePoint_HTS_Activity (AID 651640) • MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2139-01_Inhibitor_SinglePoint_HTS_Activity (AID 651687)
BRD-K34425773-001-01-7 PubChem CID : 54632548		0.86 (in 4 replicates)	-0.62	0.022				Total number of assays tested in: 35.
BRD-K22246751-001-01-7 PubChem CID : 54631914		0.85 (in 4 replicates)	-0.62	0.280				Total number of assays tested in: 31.
BRD-K16172779-001-01-1 PubChem CID : 54631934		0.75 (in 4 replicates)	-0.62	0.263				Total number of assays tested in: 39. Active in the following assays: • Inhibition of T.cruzi proliferation in culture Measured in Cell-Based System Using Plate Reader - 2138-01_Inhibitor_SinglePoint_HTS_Activity (AID 624255)
BRD-K46295497-001-01-5 PubChem CID : 44495475		0.66 (in 4 replicates)	-0.62	NA				Total number of assays tested in: 43.
BRD-K17923226-001-01-5 PubChem CID : 54619100		0.77 (in 4 replicates)	-0.61	0.280				Total number of assays tested in: 38. Active in the following assays: • MLPCN SirT-5 Measured in Biochemical System Using Imaging - 7044-01_Inhibitor_SinglePoint_HTS_Activity_Set5 (AID 652115) • Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-01_Inhibitor_Dose_DryPowder_Activity (AID 1159566) • Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-05_Inhibitor_Dose_CherryPick_Activity (AID 1159567) • HepG2 cytotoxicity counterscreen Measured in Cell-Based System Using Plate Reader - 2153-03_Inhibitor_Dose_DryPowder_Activity (AID 1159569) • Plasmodium falciparum 3D7-ScDHODH Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-02_Inhibitor_Dose_DryPowder_Activity (AID 1159570) • Plasmodium falciparum PfNITD609-resistant ATP4 D1247Y Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-11_Inhibitor_Dose_DryPowder_Activity (AID 1159571) • HepG2 cytotoxicity counterscreen Measured in Cell-Based System Using Plate Reader - 2153-03_Inhibitor_Dose_CherryPick_Activity (AID 1159577)

BRD-K11188962-001-01-9 PubChem CID : 54633174		0.61 (in 4 replicates)	-0.60	0.869				Total number of assays tested in: 34. Active in the following assays: • HEK293 Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 7071-01_Inhibitor_Dose_CherryPick_Activity_Set5 (AID 1053117) • Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader (AID 1159554) • Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-05_Inhibitor_Dose_CherryPick_Activity (AID 1159567) • HepG2 cytotoxicity counterscreen Measured in Cell-Based System Using Plate Reader - 2153-03_Inhibitor_Dose_CherryPick_Activity (AID 1159577)
BRD-K19019278-001-01-7 PubCID : 54631454		0.73 (in 4 replicates)	-0.59	0.280				Total number of assays tested in: 34.
BRD-K84951013-001-01-1 PubCID : 54620189		0.91 (in 4 replicates)	-0.59	NA				Total number of assays tested in: 36.