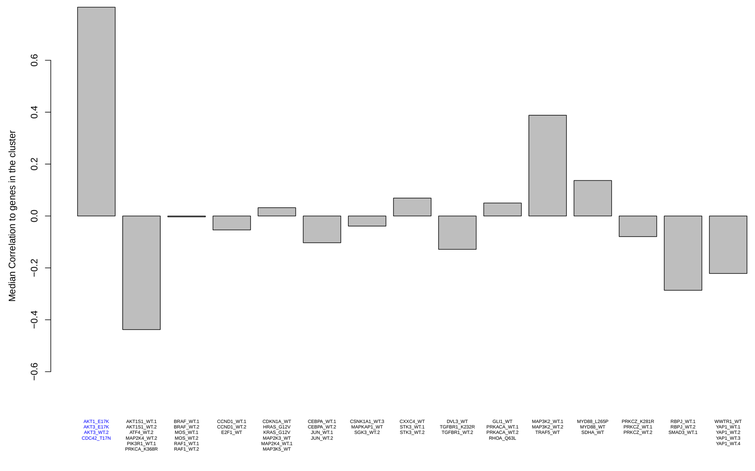
How similar is this cluster to the other clusters?



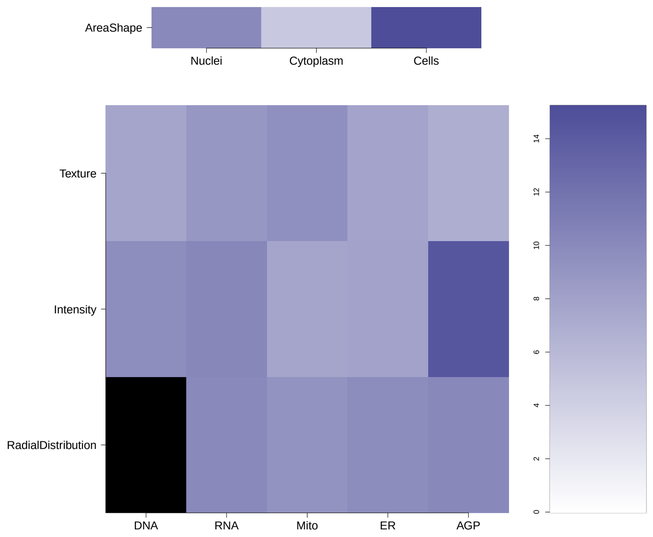
Genes in the cluster along with the pathways as annotated by experts

	Expert Annotation	
Treatment	Pathway	Regulation Type
CDC42_T17N	Canonical Cytoskeletal Re-org	Inhibitor
AKT1_E17K	Canonical PI3K/AKT	Activator
AKT3_WT.2	Canonical PI3K/AKT	Activator
AKT3_E17K	Canonical PI3K/AKT	Activator

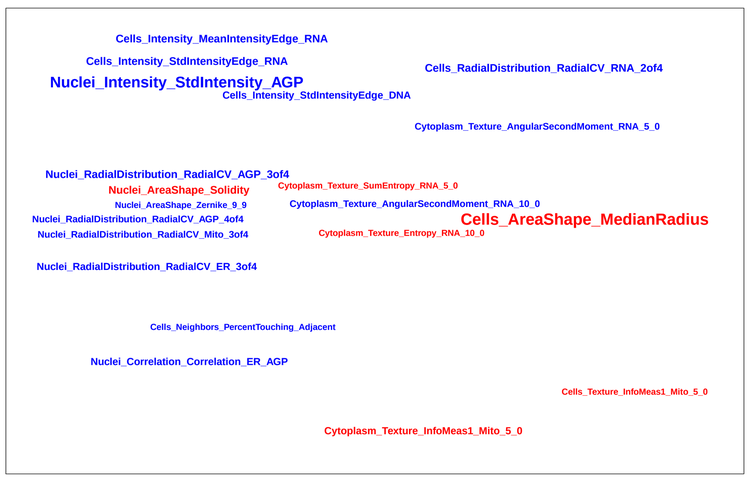
Top 5 genes negatively correlated to the cluster

	Expert Annotation			
Treatment	Pathway	Regulation Type	Mean Correlation	Standard Deviation
PIK3R1_WT.1	Canonical PI3K/AKT	Activator	-0.48	0.14
AKT1S1_WT.2	TOR	Inhibitor	-0.47	0.04
AKT1S1_WT.1	TOR	Inhibitor	-0.43	0.05
PRKACG_WT.3	PKA	Activator	-0.42	0.09
ATF4_WT.2	Canonical ER Stress/UPR	Activator	-0.40	0.06

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 cluster relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.



How strongly are genes within the cluster correlated?

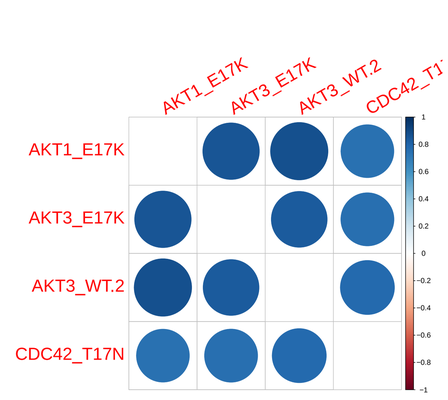
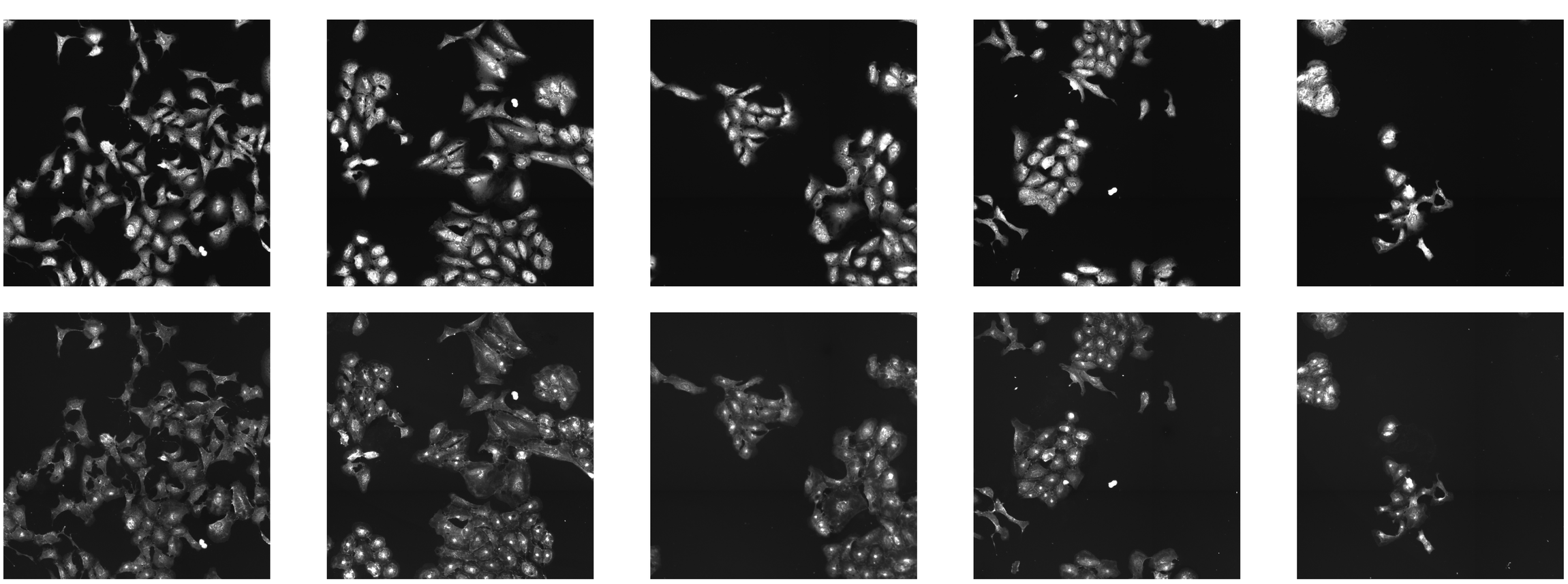
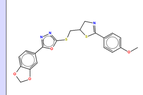
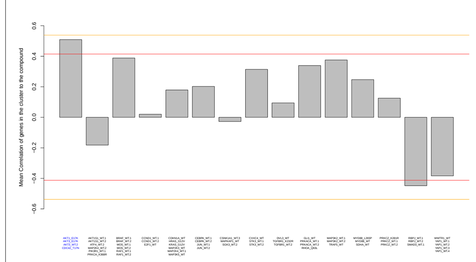
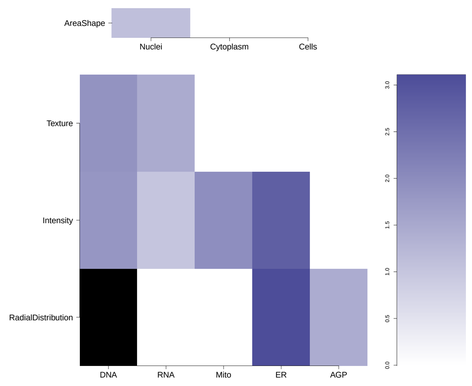
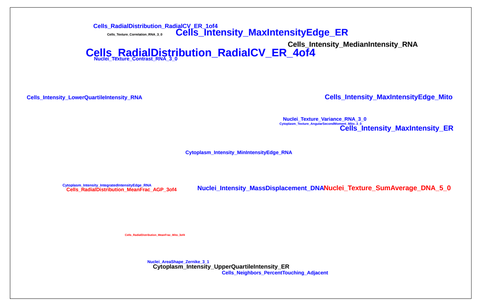
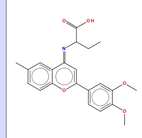
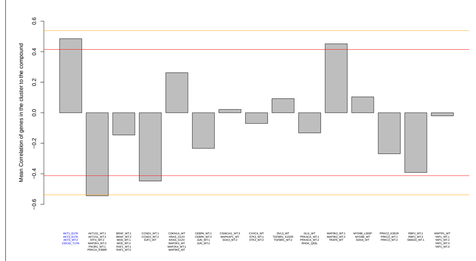
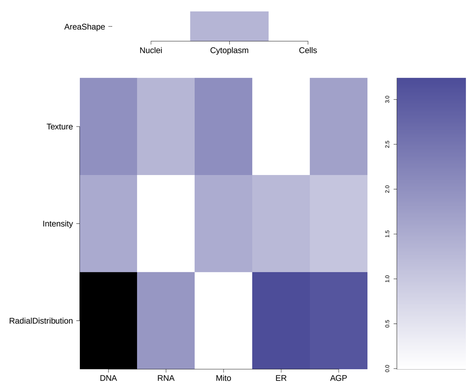
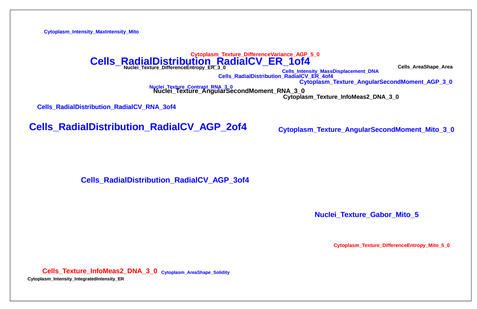
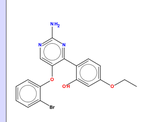
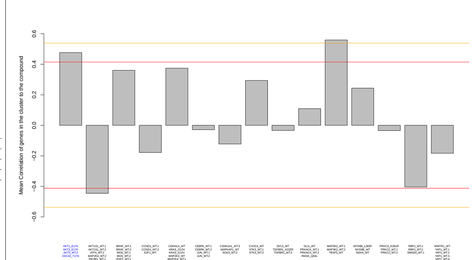
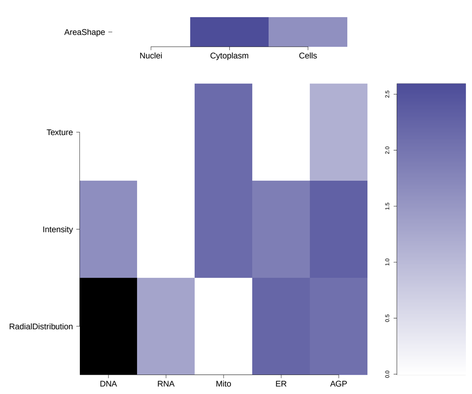
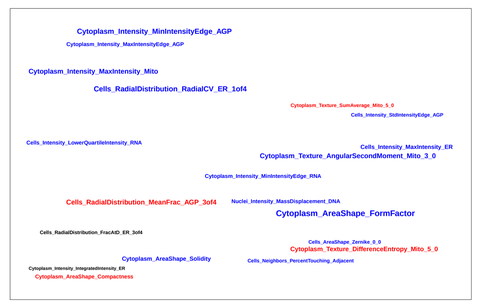
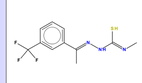
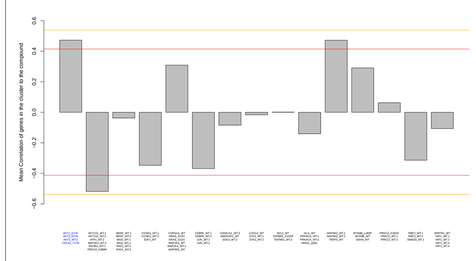
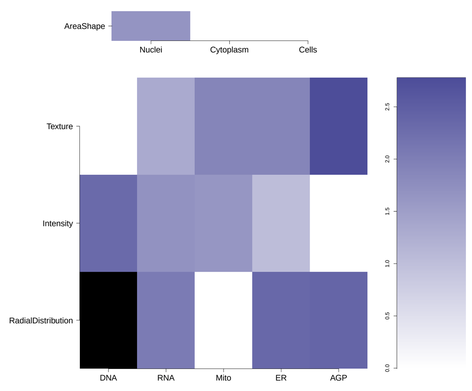
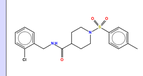
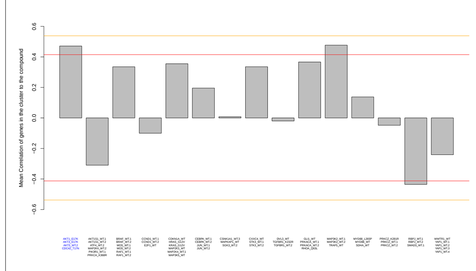
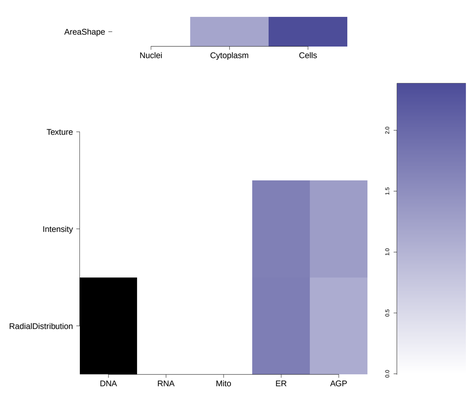
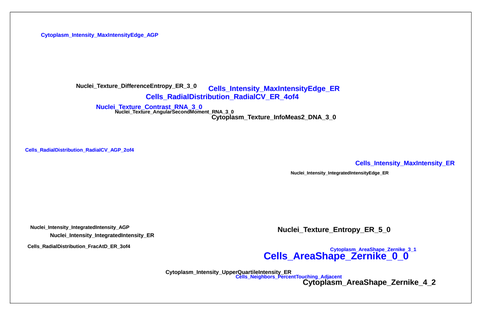


Plate : 41744 - Genes in the Cluster (Channels are sorted based on their dominance in the grid plot)



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)	Mean ± standard deviation correlation between compound and each gene in cluster; Tables contain data for individual genes	Mean compound rank when scored against genes in cluster using L1000 profiling ± standard deviation; Tables contain data for individual genes	How similar is the compound signature to the gene clusters 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 genes in the cluster 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 cluster	Number of PubChem assays in which the compound was tested; assays in which the compound was active are itemized

BRD-A83852736-001-06-9 T5235042 SMR000063406 AC1MHBUZ MLS000053977 MLS002635527 TCMDC-143594 HMS1727O03 HMS2385I15 PubChem CID : 2999476		0.63 (in 2 replicates)	0.51 ± 0.05 Treatment / Score AKT1.E17K: 0.56 AKT3.E17K: 0.53 AKT3.WT.2: 0.44 CDC42.T17N: 0.50	NA				Total number of assays tested in: 805. Active in the following assays: • Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738) • qHTS Assay for Inhibitors of HPGD (15-Hydroxyprostaglandin Dehydrogenase) (AID 894) • Leishmania major promastigote HTS (AID 1063) • Leishmania major promastigote HTS - primary screen repeat 1 uM (AID 1258) • Counterscreen for inhibitors of Janus kinase 2 mutant JAK2V617F: Cell-based high throughput assay to identify inhibitors of parental Ba/F3 cell viability. (AID 1486) • Luminescence Cell-Based/Microorganism Primary HTS to Identify Inhibitors of T.Cruzi Replication (AID 1885) • Leishmania major promastigote EC50 determinations (AID 2008) • Luminescence Cell-Based/Microorganism Dose Confirmation HTS to Identify Inhibitors of T.Cruzi Replication. (AID 2044) • Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the orexin 1 receptor (OX1R; HCRTR1) (AID 434989) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • Primary cell-based high-throughput screening for identification of compounds that inhibit/block calcium-activated chloride channels (TMEM16A) (AID 588511) • uHTS identification of small molecule inhibitors of the mitochondrial permeability transition pore via an absorbance assay (AID 602449) • qHTS for Antagonists of gsp, the Etiologic Mutation Responsible for Fibrous Dysplasia/McCune-Albright Syndrome: qHTS (AID 624288) • Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human trace amine associated receptor 1 (TAAR1) (AID 624466) • Single concentration confirmation of uHTS inhibitor hits of the mitochondrial permeability transition pore via a fluorescent based assay (AID 624504) • Trypanosoma brucei. Primary growth inhibition assay (AID 1159557) • TcCYP51 enzymatic inhibition (AID 1159558) • Trypanosoma cruzi. Primary growth inhibition assay (AID 1159559) • Leishmania donovani. Primary growth inhibition assay (AID 1159560) • Intra-macrophage L. donovani assay (AID 1159564) • Trypanosoma cruzi intracellular imaging assay (AID 1159565)
BRD-A14556598-001-06-7 MLS000402296 SMR000243030 AC1MWISV AC1Q2RLA BDBM63320 CTK6C7395 NE61401 EN300-05982 T0518-2801 956370-25-5 PubChem CID : 3749969		NA (in 1 replicates)	0.49 ± 0.08 Treatment / Score AKT1.E17K: 0.38 AKT3.E17K: 0.51 AKT3.WT.2: 0.48 CDC42.T17N: 0.57	NA				Total number of assays tested in: 651. Active in the following assays: • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • Confirmatory screen for compounds that activate the Choline Transporter (CHT) (AID 504833) • Counter screen assay of the parental HEK293 cells for compounds that activate the Choline Transporter (CHT) (AID 623908) • DENV2 CPE-Based HTS Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2149-01_Other_SinglePoint_HTS_Activity (AID 651640) • Fluorescence Intensity-based biochemical primary high throughput screening assay to identify activators of kallikrein-7 (K7) zymogen (AID 652039) • Fluorescence Intensity-based biochemical primary high throughput confirmation assay to identify activators of kallikrein-7 (K7) zymogen (AID 686949) • Counterscreen for activators of kallikrein-7 (K7) zymogen: Fluorescence intensity-based biochemical high throughput counterscreen assay for activators that optically interfere with measurement of EDANS-DABCYL fluorescence (AID 686952)
BRD-K12132610-001-05-3 AC1NZGFJ MLS000552085 HMS2158K11 STK850382 SMR000145810 ST50475406 PubChem CID : 5907754		0.52 (in 4 replicates)	0.48 ± 0.03 Treatment / Score AKT1.E17K: 0.44 AKT3.E17K: 0.50 AKT3.WT.2: 0.50 CDC42.T17N: 0.46	0.578 ± 0.356 Treatment / Score AKT1.E17K: 0.063 AKT3.E17K: 0.680 AKT3.WT.2: 0.683 CDC42.T17N: 0.885				Total number of assays tested in: 683. Active in the following assays: • Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738) • Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Primary Screen (AID 1362) • HTS for small molecule inhibitors of CHOP to regulate the unfolded protein response to ER stress (AID 2732) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834) • HTS to Find Inhibitors of Pathogenic Pemphigus Antibodies (AID 588358) • qHTS for Inhibitors of TGF-b: Cytotox Counterscreen (AID 588856) • qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-IDH1KD cell line (AID 686971) • QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM10. (AID 720582)
BRD-K03796490-001-05-1 T0509-9695 MLS001003678 HMS1763D10 ZINC6374094 SMR000347571 PubChem CID : 9622493		NA (in 1 replicates)	0.47 ± 0.07 Treatment / Score AKT1.E17K: 0.40 AKT3.E17K: 0.45 AKT3.WT.2: 0.48 CDC42.T17N: 0.56	NA				Total number of assays tested in: 638. Active in the following assays: • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Primary Screen (AID 1456) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay 3 with KCC2 cells (AID 1714) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counterscreen with HEK cells (AID 1716) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counterscreen 2 with HEK cells (AID 1718) • VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)
BRD-K43089177-001-06-1 SMR000123694 MLS000123058 STK178377 AC1LL2IR BDBM73383 HMS1914K05 HMS2437P20 ZINC789542 ZINC00789542 BAS 05018824 ST50276881 K786-1645 PubChem CID : 1077699		NA (in 1 replicates)	0.47 ± 0.05 Treatment / Score AKT1.E17K: 0.45 AKT3.E17K: 0.49 AKT3.WT.2: 0.42 CDC42.T17N: 0.52	NA				Total number of assays tested in: 700. Active in the following assays: • Leishmania major promastigote HTS (AID 1063) • Primary screen for compounds that activate Insulin promoter activity in TRM-6 cells (AID 1296) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Primary Screen (AID 1456) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Retesting of KCC2 cells with Ouabain (AID 1717) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of Protein Phosphatase Methylesterase 1 (PME-1). (AID 2130) • Fluorescence polarization-based biochemical high throughput confirmation assay for inhibitors of Protein Phosphatase Methylesterase 1 (PME-1). (AID 2171) • Fluorescence Polarization Cell-Free Homogeneous Primary HTS to Identify Inhibitors of the LANA Histone H2A/H2B Interaction (AID 2629) • uHTS fluorescent assay for identification of inhibitors of ATG4B (AID 504462) • Dose response confirmation of the uHTS fluorescent assay for identification of inhibitors of ATG4B. (AID 504756) • Single concentration confirmation of inhibitors of ATG4B via a fluorescent assay (AID 504757) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834) • Dose response counterscreen of uHTS hits for ATG4B inhibitors in a Phospholipase A2 assay (AID 588400)

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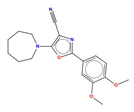
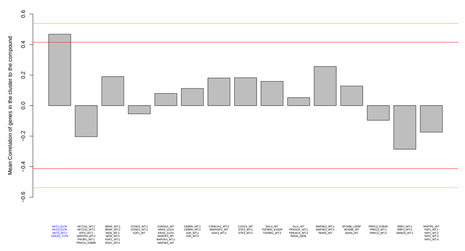


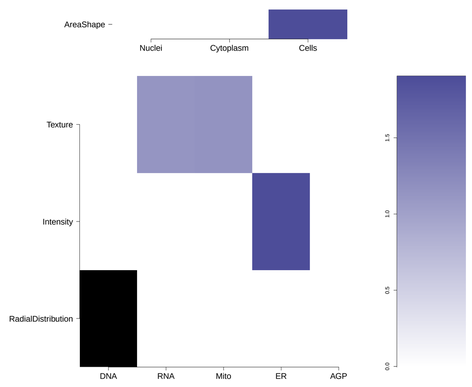
NA (in 1 replicates)

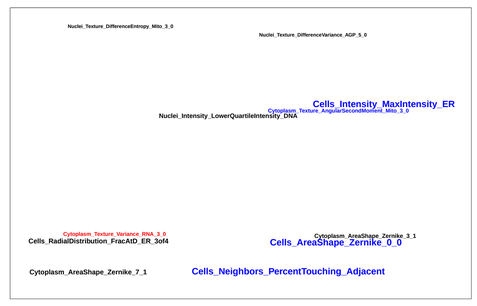
0.47 ± 0.08

Treatment	Score
AKT1.E17K	0.39
AKT3.E17K	0.57
AKT3.WT.2	0.47
CDC42.T17N	0.44

NA







Total number of assays tested in: 786. Active in the following assays:

- qHTS Assay for Spectroscopic Profiling in 4-MU Spectral Region (AID 589)
- qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590)
- Cell signaling CRE-BLA (Fsk stim) (AID 662)
- Profiling the NIH Molecular Libraries Small Molecule Repository: Autofluorescence at 339/460 nm (AID 709)
- Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738)
- CYP2C9 Assay (AID 777)
- qHTS Assay for Inhibitors of HSD17B4, hydroxysteroid (17-beta) dehydrogenase 4 (AID 893)
- Luminescence Microorganism Primary HTS to Identify Inhibitors of the SUMOylation Pathway Using a Temperature Sensitive Growth Reversal Mutant Mot1-301 (AID 2716)
- qHTS Assay for Inhibitors of BAZ2B (AID 504333)
- Counterscreen for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis: Absorbance-based biochemical high throughput Glycerophosphate Dehydrogenase-Triosephosphate Isomerase (GDH-TPI) full deck assay to identify assay artifacts (AID 588335)
- Fluorescence-based biochemical primary high throughput screening assay to identify inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 588726)
- Inhibition of the MLL-AF4-AF9 Interaction in Pediatric Leukemia Measured in Biochemical System Using Plate Reader - 2160-01_Inhibitor_SinglePoint_HTS_Activity (AID 651704)
- qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
- HTS for Bacterial rRNA inhibitors Measured in Microorganism-Based System Using Plate Reader - 7056-01_Inhibitor_SinglePoint_HTS_Activity (AID 720706)

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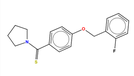


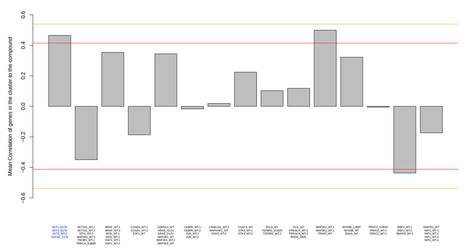
0.72 (in 4 replicates)

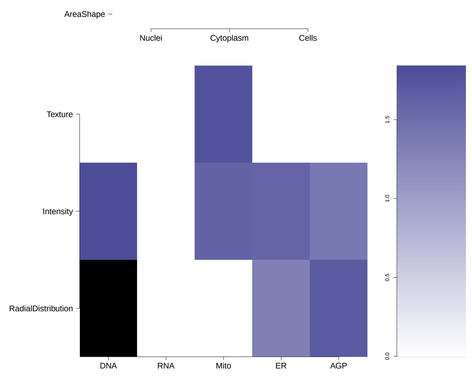
0.46 ± 0.06

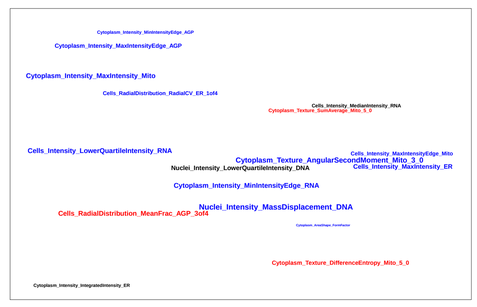
Treatment	Score
AKT1.E17K	0.41
AKT3.E17K	0.53
AKT3.WT.2	0.42
CDC42.T17N	0.50

0.792 ± 0.139

Treatment	Score
AKT1.E17K	0.931
AKT3.E17K	0.680
AKT3.WT.2	0.892
CDC42.T17N	0.665







Total number of assays tested in: 504. Active in the following assays:

- MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)
- Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
- A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
- HTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 8 (SENP8) (AID 2540)
- uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 6 (SENP6) (AID 2599)
- A yeast HTS for caloric restriction mimetics that inhibit age-related superoxide (AID 2690)
- Dose Response confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488901)
- Dose Response confirmation of uHTS for inhibitors of Sentrin-specific protease 8 (SENP8) using a Luminescent assay (AID 488903)
- Dose Response confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 488904)
- Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 488917)
- Dose Response confirmation of uHTS for inhibitors of Sentrin-specific protease 6 (SENP6) using a Luminescent assay (AID 488921)
- SAR Analysis of small molecule inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 504488)
- SAR Analysis of small molecule inhibitors of Sentrin-specific protease 6 (SENP6) using a Luminescent assay (AID 504492)
- SAR Analysis of small molecule inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 504497)
- SAR Analysis of small molecule inhibitors of Sentrin-specific protease 8 (SENP8) using a Luminescent assay (AID 504501)
- MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Activator_Dose_CherryPick_Activity (AID 540258)
- MITF Act Counter Assay: HeLa CTG Assay Measured in Cell-Based System Using Plate Reader - 2084-08_Activator_Dose_CherryPick_Activity (AID 540259)
- qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)
- qHTS Assay to Identify Small Molecule Activators of BRCA1 Expression (AID 624202)
- MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Activator_Dose_DryPowder_Activity (AID 651775)

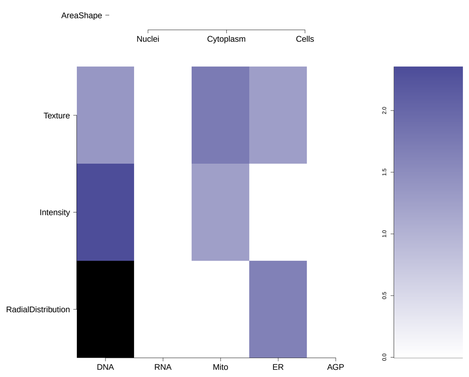
BRD-K71919342-001-06-4
AC1N4ZAA
MLS001003683
CTK0B5719
HMS2685K03
ZINC5257101
PL045918
SMR000347522
14265-35-1
PubChem CID : 4136929

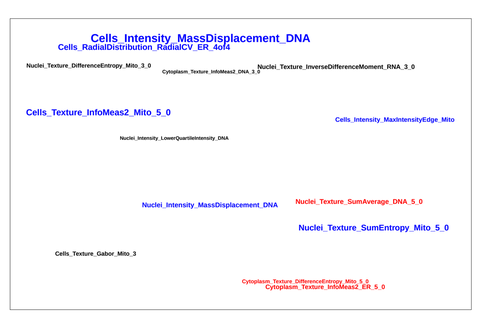
NA (in 1 replicates)

0.46 ± 0.04

Treatment	Score
AKT1.E17K	0.44
AKT3.E17K	0.51
AKT3.WT.2	0.46
CDC42.T17N	0.43

NA





Total number of assays tested in: 652. Active in the following assays:

- Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932)
- Counter Screen for Glucose-6-Phosphate Dehydrogenase-based Primary Assay (AID 1020)
- qHTS for Inhibitors of Tau Fibril Formation, Thioflavin T Binding (AID 1460)
- Primary biochemical high throughput screening assay to identify inhibitors of VIM-2 metallo-beta-lactamase (AID 1527)
- MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)
- QFRET-based counterscreen for PFM18AAP inhibitors: biochemical high throughput screening assay to identify inhibitors of the Cathepsin L proteinase (CTSL1). (AID 1906)
- Fluorescence polarization-based counterscreen for RBBP9 inhibitors: primary biochemical high throughput screening assay to identify inhibitors of the oxidoreductase glutathione S-transferase omega 1(GSTO1). (AID 1974)
- Homogeneous Time-Resolved Fluorescence Resonance Energy Transfer (HTRF) Assay (AID 2073)
- Primary biochemical high throughput screening assay to identify inhibitors of BCL2-related protein, long isoform (BCLXL). (AID 2129)
- Fluorescence polarization-based biochemical high throughput confirmation assay for inhibitors of the oxidoreductase glutathione S-transferase omega 1(GSTO1). (AID 2176)
- Fluorescence Cell-Free Homogenous Primary HTS to Identify Inhibitors of RecA Intein Splicing Activity (AID 2221)
- Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
- A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
- qHTS Assay for Inhibitors of Fructose-1,6-bisphosphate Aldolase from Giardia Lamblia (AID 2451)
- qHTS Assay for Inhibitors of Fructose-1,6-bisphosphate Aldolase from Giardia Lamblia: Coupling assay counterscreen (AID 2472)
- qHTS Assay for Inhibitors of Bloom's syndrome helicase (BLM) (AID 2528)
- uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 6 (SENP6) (AID 2599)
- Fluorescence Cell-Free Homogeneous Counter Screen to Identify Inhibitors of GFP Chromophore Formation (AID 434968)
- Fluorescence Cell-Free Homogeneous Dose Retest to Identify Inhibitors of RecA-Intein Splicing Activity (AID 435010)
- Fluorescence Cell-Free Homogeneous Secondary Screen to Identify Non-Covalent Inhibitors of RecA-Intein Splicing Activity (AID 449750)
- FRET-based cell-based primary high throughput screening assay to identify antagonists of the orexin 1 receptor (OX1R; HCRTR1) (AID 485270)
- qHTS Assay for Inhibitors of DNA Polymerase Beta (AID 485314)
- qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364)
- Single concentration confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488918)
- uHTS Fluorescent assay for identification of inhibitors of Apaf-1 (AID 489030)
- qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
- uHTS identification of small molecule modulators of myocardial damage (AID 588492)
- Primary and Confirmatory Screening for Flavivirus Genomic Capping Enzyme Inhibition (AID 588689)
- uHTS identification of modulators of interaction between CendR and NRP-1 using Fluorescence Polarization assay (AID 602438)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296)
- qHTS of TDP-43 Inhibitors (AID 652104)
- VEID(2) R110 Enzymatic Primary HTS to identify Inhibitors of Caspase 6 Measured in Biochemical System Using Plate Reader - 7052-01_Inhibitor_SinglePoint_HTS_Activity_Set2 (AID 686996)
- VEID(2) R110 Enzymatic Primary HTS to identify Inhibitors of Caspase 6 Measured in Biochemical System Using Plate Reader - 7052-01_Inhibitor_Dose_CherryPick_Activity (AID 720632)
- Development of Small Molecule Probes of the Histone Methyltransferase, NSD2 Measured in Biochemical System Using Plate Reader - 7053-01_Inhibitor_SinglePoint_HTS_Activity_Set2 (AID 743445)

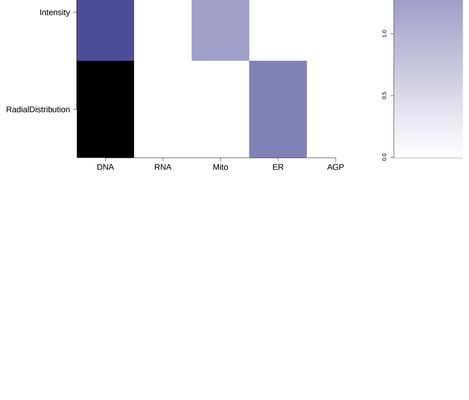
BRD-A41484464-001-06-0
BRN 1211793
67086-81-1
F1912-0001
AC1MCJDX
MLS000678441
CTK5I7353
HMS2721O10
HE088600
KB-92026
SMR000323916
KB-323361
LS-151122
PubChem CID : 2771064

NA (in 1 replicates)

0.46 ± 0.05

Treatment	Score
AKT1.E17K	0.39
AKT3.E17K	0.48
AKT3.WT.2	0.45
CDC42.T17N	0.50

NA



Total number of assays tested in: 617. Active in the following assays:

- uHTS identification of TNAP inhibitors in the absence of phosphate acceptor performed in luminescent assay (AID 1012)
- Aqueous Solubility from MLSMR Stock Solutions (AID 1996)
- Primary biochemical fluorescence polarization-based high throughput screening assay to identify inhibitors of protein arginine methyltransferase 1 (PRMT1) (AID 652257)

BRD-K36118155-001-05-5
ST50425817
MLS000554594
AC1NT7O4
ZINC13111749
BAS 01809698
SMR000171974
T0504-6972
PubChem CID : 5347874

NA (in 1 replicates)

0.45 ± 0.11

Treatment	Score
AKT1.E17K	0.47
AKT3.E17K	0.59
AKT3.WT.2	0.37
CDC42.T17N	0.37

NA

Total number of assays tested in: 647. Active in the following assays:

- Total Fluorescence Counterscreen for Inhibitors of the Interaction of Thyroid Hormone Receptor and Steroid Receptor Coregulator 2 (AID 1479)
- uHTS fluorescence polarization assay for the identification of translation initiation inhibitors (eIF4H) (AID 2012)
- qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)

BRD-K67411319-001-01-8
PubChem CID : 44501932

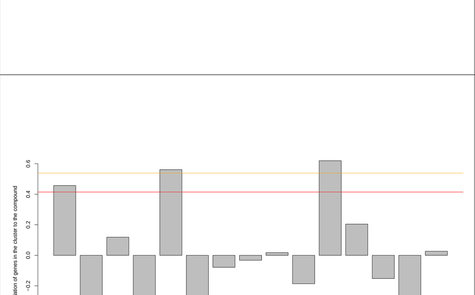
0.86 (in 3 replicates)

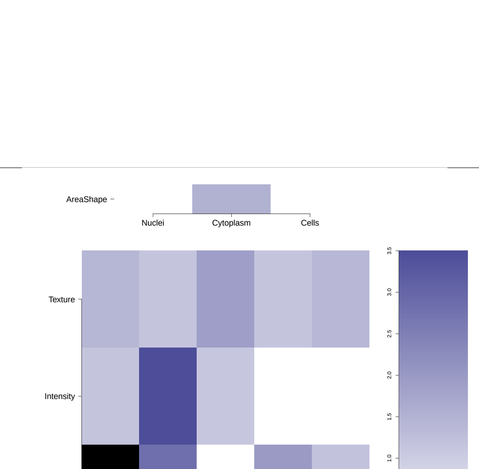
-0.55 ± 0.04

Treatment	Score
AKT1.E17K	-0.49
AKT3.E17K	-0.58
AKT3.WT.2	-0.58
CDC42.T17N	-0.57

0.440 ± 0.229

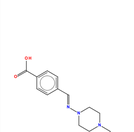
Treatment	Score
AKT1.E17K	0.339
AKT3.E17K	0.320
AKT3.WT.2	0.317
CDC42.T17N	0.782





Total number of assays tested in: 47.

BRD-K48693155-001-01-2
PubChem CID : 54618096

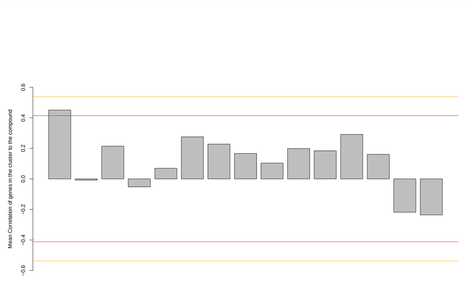


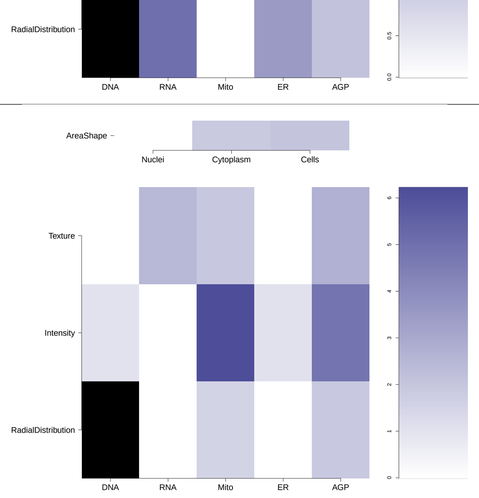
0.87 (in 4 replicates)

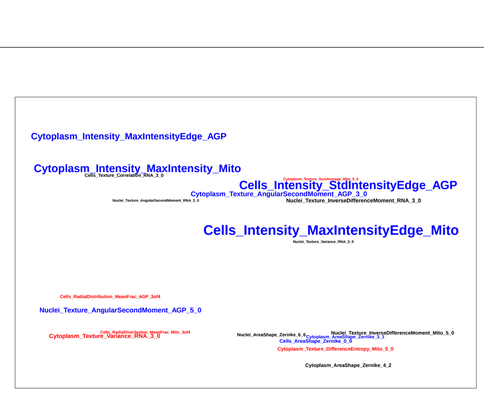
-0.52 ± 0.04

Treatment	Score
AKT1.E17K	-0.47
AKT3.E17K	-0.55
AKT3.WT.2	-0.53
CDC42.T17N	-0.54

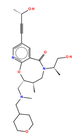
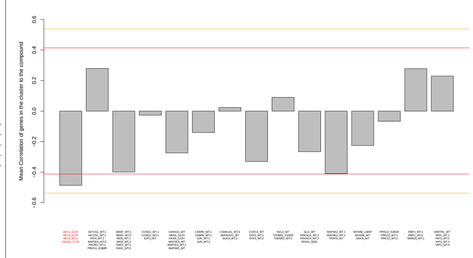
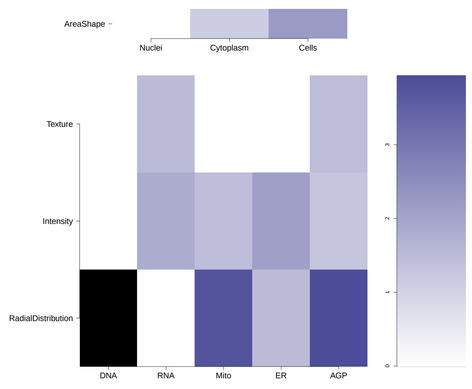
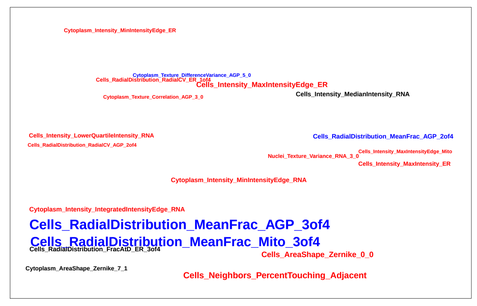
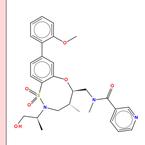
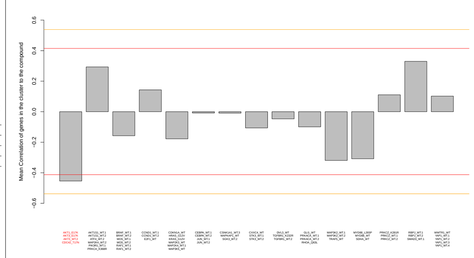
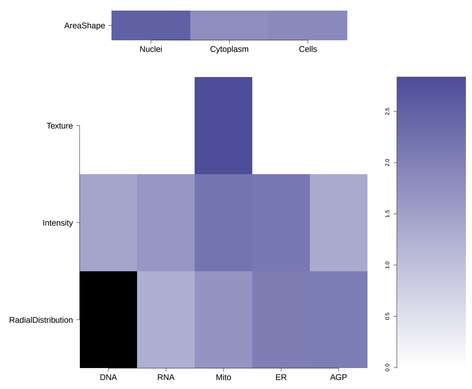
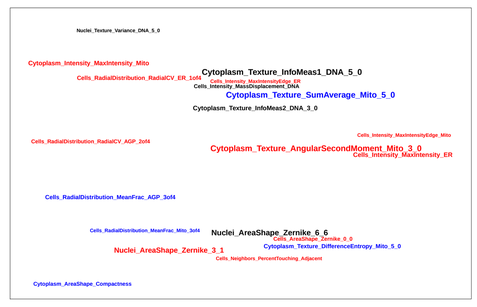
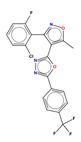
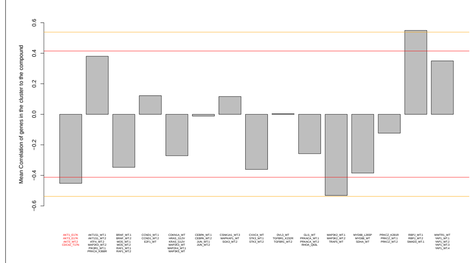
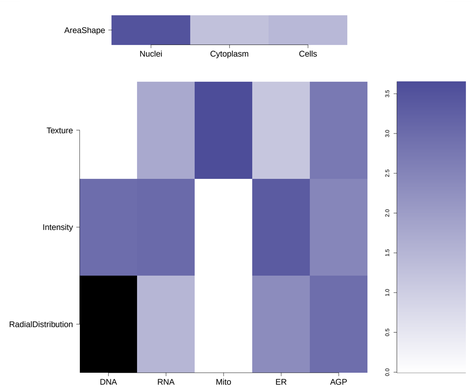
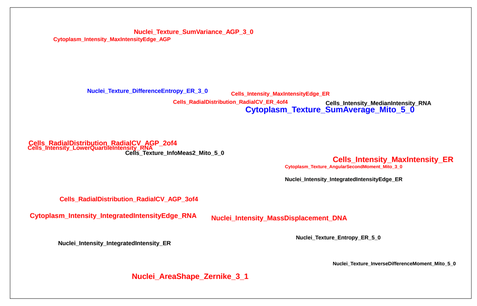
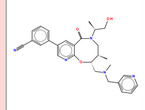
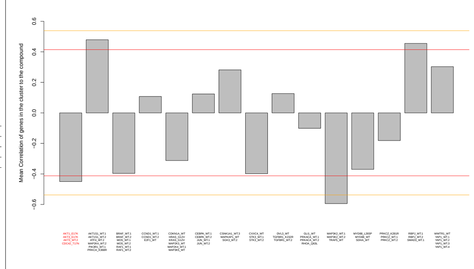
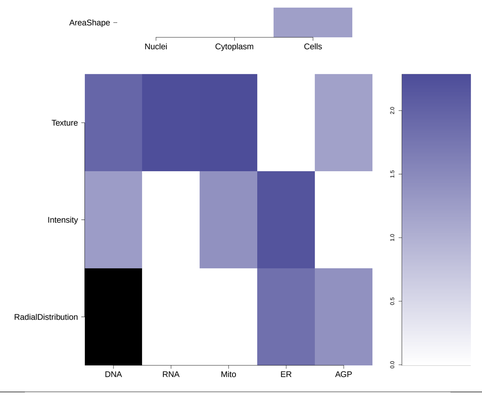
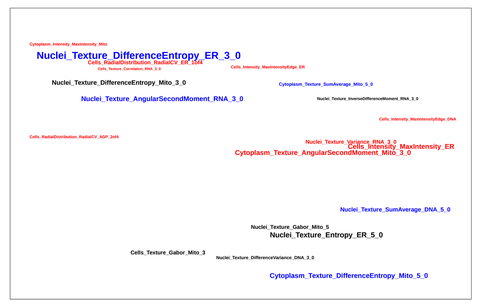
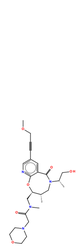
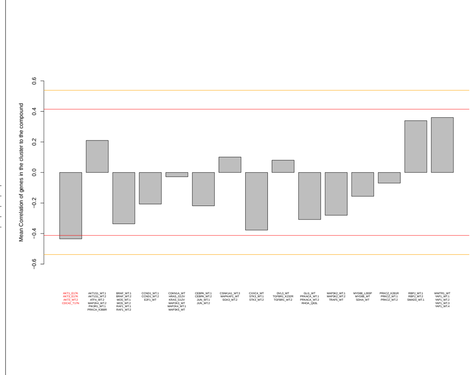
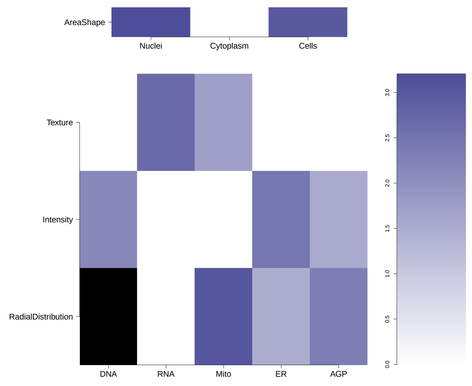
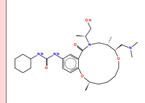
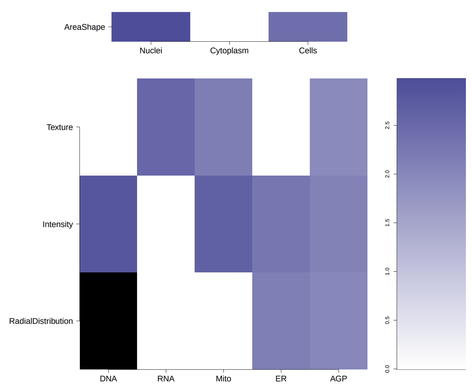
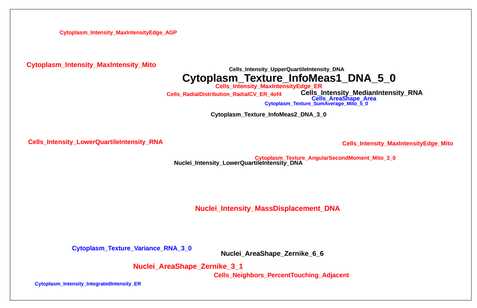
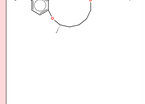
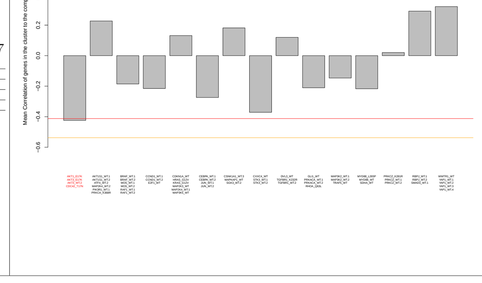
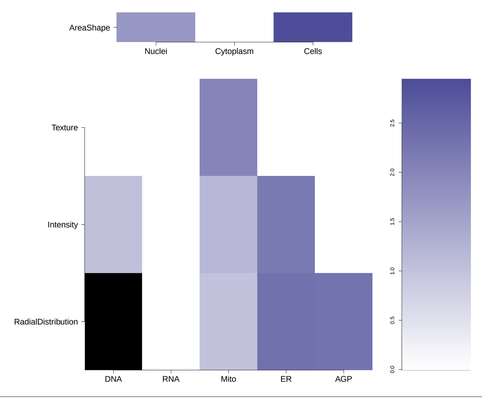
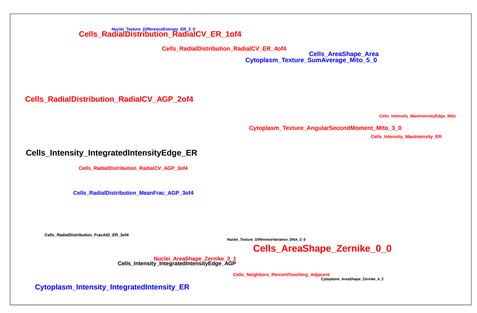
NA







Total number of assays tested in: 37.

BRD-K27824357-001-01-4 PubChem CID : 54618409		0.71 (in 4 replicates)	-0.49 ± 0.02 Treatment | Score AKT1.E17K | -0.46 AKT3.E17K | -0.52 AKT3.WT.2 | -0.49 CDC42.T17N | -0.47	0.325 ± 0.352 Treatment | Score AKT1.E17K | 0.339 AKT3.E17K | 0.102 AKT3.WT.2 | 0.816 CDC42.T17N | 0.042				Total number of assays tested in: 37.
BRD-K09779552-001-01-5 PubCid : 54618116		0.68 (in 4 replicates)	-0.45 ± 0.03 Treatment | Score AKT1.E17K | -0.42 AKT3.E17K | -0.50 AKT3.WT.2 | -0.45 CDC42.T17N | -0.45	0.394 ± 0.295 Treatment | Score AKT1.E17K | 0.339 AKT3.E17K | 0.111 AKT3.WT.2 | 0.317 CDC42.T17N | 0.808				Total number of assays tested in: 43. 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-K04968712-001-05-7 MLS000858711 SMR000458790 AC1MDPY6 BDBM45738 HMS2811A04 ZINC1034543 ZINC01034543 PubChem CID : 2814981		NA (in 1 replicates)	-0.45 ± 0.08 Treatment | Score AKT1.E17K | -0.41 AKT3.E17K | -0.45 AKT3.WT.2 | -0.38 CDC42.T17N | -0.57	NA				Total number of assays tested in: 545. Active in the following assays: • Factor XIIa 1536 HTS (AID 800) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834) • Confirmation screen for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504848) • Confirmation screen for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504850) • qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-IDH1KD cell line (AID 686971)
BRD-K60656884-001-01-0 PubCid : 54618107		0.76 (in 4 replicates)	-0.45 ± 0.03 Treatment | Score AKT1.E17K | -0.43 AKT3.E17K | -0.41 AKT3.WT.2 | -0.47 CDC42.T17N | -0.49	0.565 ± 0.277 Treatment | Score AKT1.E17K | 0.842 AKT3.E17K | 0.765 AKT3.WT.2 | 0.317 CDC42.T17N | 0.335				Total number of assays tested in: 36.
BRD-K33075278-001-01-1 PubCid : 54619040		0.71 (in 4 replicates)	-0.44 ± 0.01 Treatment | Score AKT1.E17K | -0.42 AKT3.E17K | -0.45 AKT3.WT.2 | -0.44 CDC42.T17N | -0.43	0.517 ± 0.248 Treatment | Score AKT1.E17K | 0.772 AKT3.E17K | 0.320 AKT3.WT.2 | 0.686 CDC42.T17N | 0.289				Total number of assays tested in: 36.
BRD-K78642007-001-01-2 PubCid : 44618797		0.78 (in 4 replicates)	-0.42 ± 0.05 Treatment | Score AKT1.E17K | -0.44 AKT3.E17K | -0.45 AKT3.WT.2 | -0.36 CDC42.T17N | -0.45	0.234 ± 0.148 Treatment | Score AKT1.E17K | 0.264 AKT3.E17K | 0.320 AKT3.WT.2 | 0.017 CDC42.T17N | 0.335				Total number of assays tested in: 23.
BRD-K31884664-001-01-0 PubCid : 44486426		0.61 (in 4 replicates)	-0.42 ± 0.05 Treatment | Score AKT1.E17K | -0.37 AKT3.E17K | -0.43 AKT3.WT.2 | -0.50 CDC42.T17N | -0.40	0.559 ± 0.397 Treatment | Score AKT1.E17K | 0.339 AKT3.E17K | 0.890 AKT3.WT.2 | 0.111 CDC42.T17N | 0.895				Total number of assays tested in: 46.

BRD-K47910511-001-05-1
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MLS000682109
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ZINC13523700
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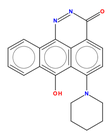
PubChem CID : 723174

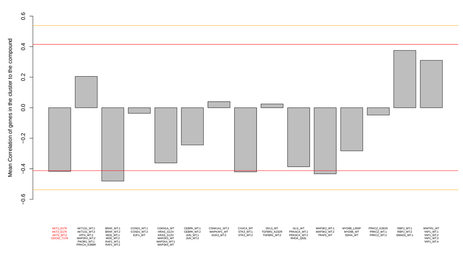


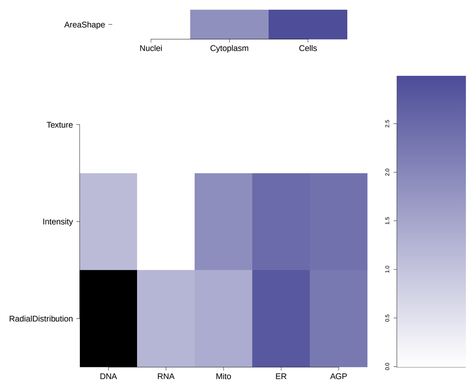
0.71 (in 2 replicates)

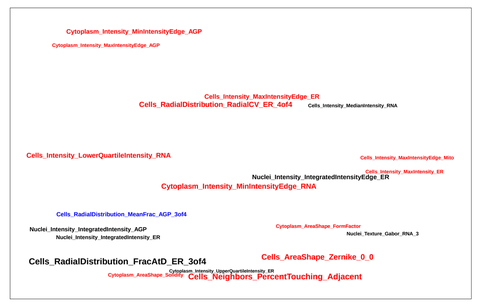
-0.42 ± 0.04

Treatment	Score
AKT1.E17K	-0.43
AKT3.E17K	-0.44
AKT3.WT.2	-0.35
CDC42.T17N	-0.44

NA







Total number of assays tested in: 642. Active in the following assays:

- Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Primary Screen (AID 1362)
- qHTS for Inhibitors of Tau Fibril Formation, Thioflavin T Binding (AID 1460)
- qHTS Multiplex Assay to Identify Dual Action Probes in a Cell Model of Huntington: Aggregate Formation (GFP) (AID 1688)
- HTS for small molecule inhibitors of CHOP to regulate the unfolded protein response to ER stress (AID 2732)
- Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of the plasma platelet activating factor acetylhydrolase (pPAFAH) (AID 463082)
- uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346)
- qHTS for Inhibitors of mutant isocitrate dehydrogenase 1 (IDH1): Confirmation of Cherrypicks (AID 624002)
- qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
- Fluorescence-based biochemical primary high throughput screening assay to identify molecules that bind r(CAG) RNA repeats (AID 651821)
- Counterscreen for molecules that bind rCAG RNA repeats: fluorescent based biochemical counterscreen assay for inhibitors of the DNA-based (5'CAG/3'GTC) TO-PRO-1 dye complex (AID 652068)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
- qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)