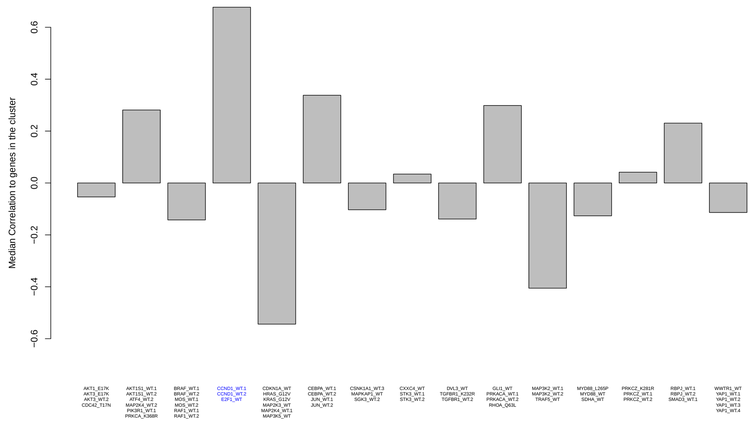
How similar is this cluster to the other clusters?



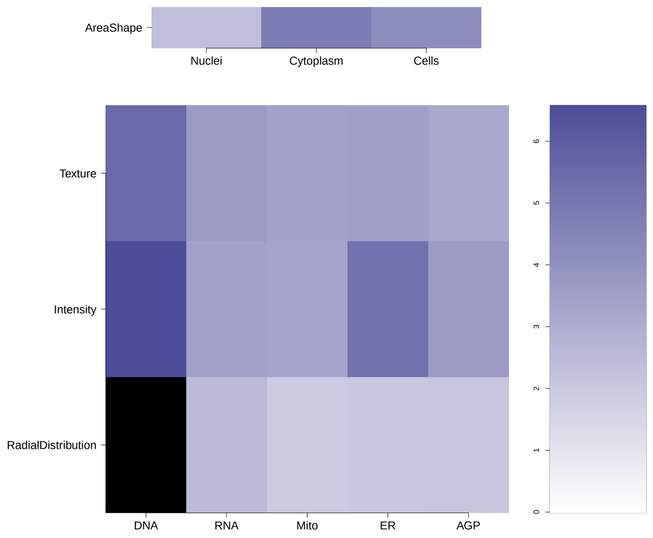
Top 5 genes negatively correlated to the cluster

	Expert Annotation			
Treatment	Pathway	Regulation Type	Mean Correlation	Standard Deviation
CDKN1A_WT	Canonical Cell Cycle	Inhibitor	-0.67	0.11
MAP3K5_WT	Canonical MAPK	Activator	-0.61	0.03
MAP2K4_WT.1	Canonical MAPK	Activator	-0.51	0.06
TP53_WT.1	Canonical DNA Damage	Activator	-0.50	0.22
MAP2K3_WT	Canonical MAPK	Activator	-0.49	0.10

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

	Expert Annotation	
Treatment	Pathway	Regulation Type
CCND1_WT.1	Canonical Cell Cycle	Activator
E2F1_WT	Canonical Cell Cycle	Activator
CCND1_WT.2	Canonical Cell Cycle	Activator

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?

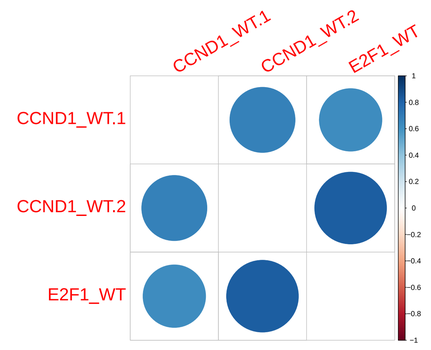
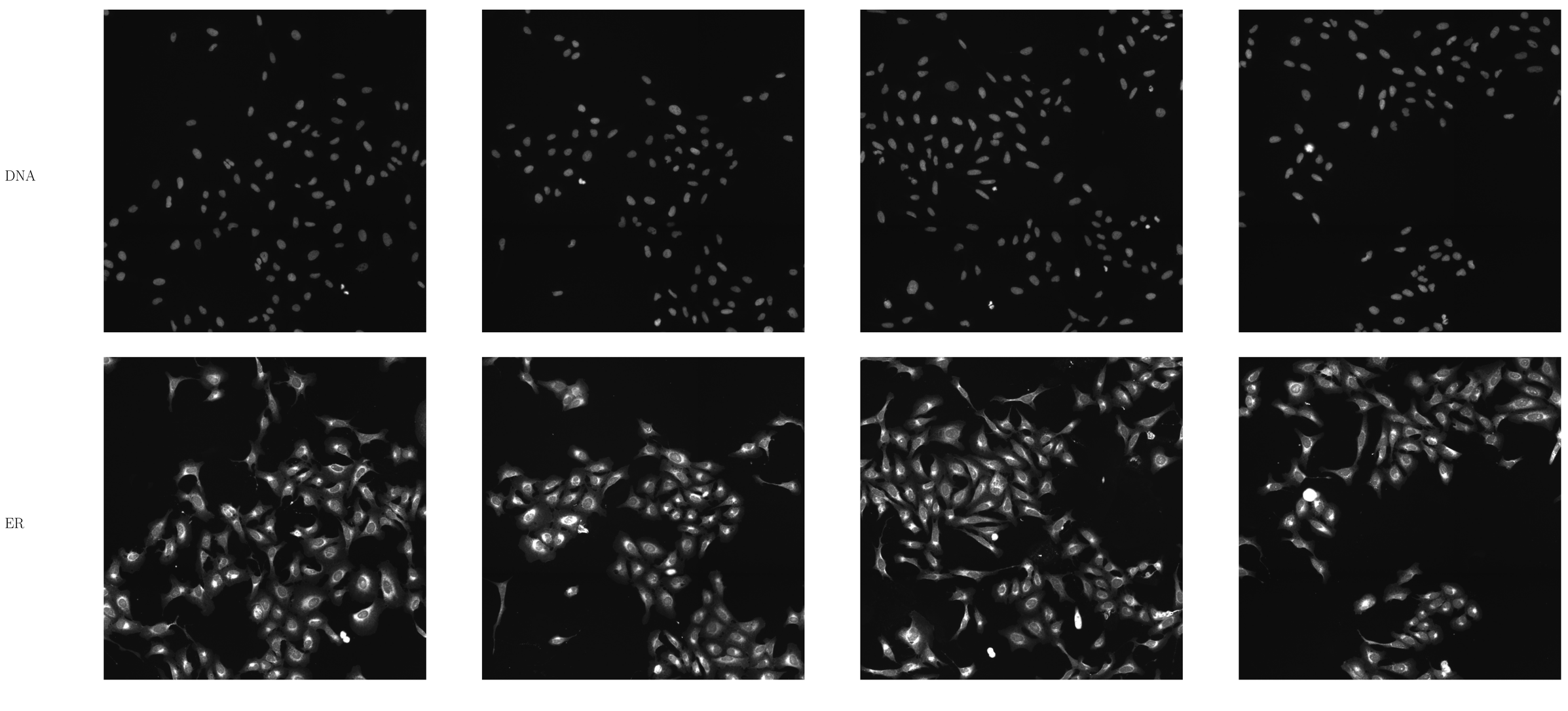
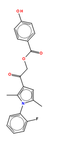


Plate : 41744 - Genes in the Cluster (Channels are sorted based on their dominance in the grid plot)



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 0.54)	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-K06736360-001-05-1
ZINC03416368
AC1M8DOD
MLS000760967
HMS2708G03
ZINC3416368
SMR000372267
T5315952
PubChem CID : 2535434

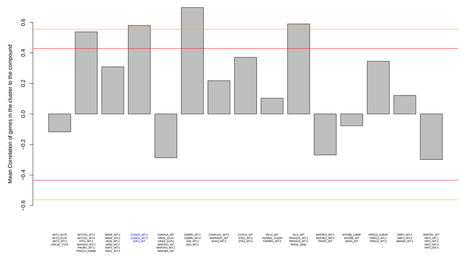


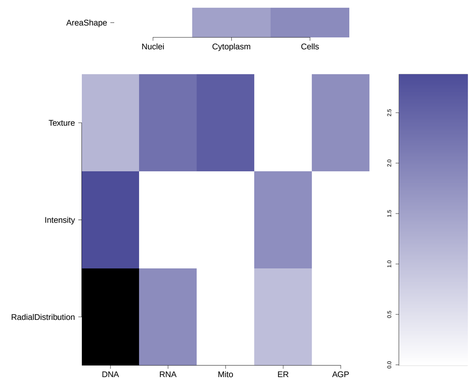
NA (in 1 replicates)

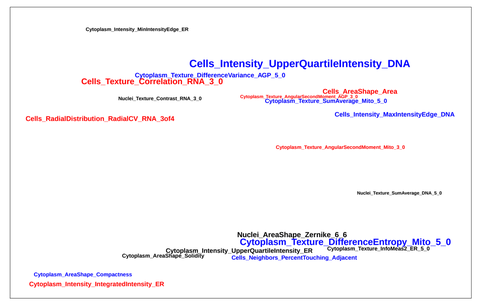
0.58 ± 0.06

Treatment	Score
CCND1.WT.1	0.51
CCND1.WT.2	0.64
E2F1.WT	0.59

NA







Total number of assays tested in: 624. Active in the following assays:

- Primary screen for compounds that activate Alzheimer's amyloid precursor (AID 1276)
- Luminescence-based primary biochemical high throughput screening assay to identify inhibitors of the Heat Shock Protein 90 (HSP90) (AID 1789)
- MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)
- Luminescence-based confirmation biochemical high throughput screening assay for inhibitors of the Heat Shock Protein 90 (HSP90) (AID 1846)
- Luminescence-based counterscreen assay for HSP90 inhibitors: biochemical high throughput screening assay to identify inhibitors of native luciferase. (AID 1847)
- Luminescence Cell-Based Primary HTS to Identify Inhibitors of Heat Shock Factor 1 (HSF1). (AID 2098)
- Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
- A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
- uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346)
- Single concentration confirmation of uHTS for Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 489028)
- Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of human platelet activating factor acetylhydrolase 2 (PAFAH2) (AID 492956)
- Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Full-Length Luciferase Counterscreen assay (AID 504607)
- Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652)
- Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Brca1/Bard1 BiLC Counterscreen assay. (AID 504668)
- 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 activate/potentiate calcium-activated chloride channels (TMEM16A) (AID 623877)
- qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417)
- Counterscreen for inhibitors of 5-meCpG-binding domain protein 2 (MBD2): TRFRET-based biochemical primary high throughput screening assay to identify inhibitors of binding of ubiquitin-like with PHD and ring finger domains 1 (UHRF1) to methylated oligonucleotide (AID 687016)
- HTS for Bacterial rRNA inhibitors Measured in Microorganism-Based System Using Plate Reader - 7056-01_Inhibitor_SinglePoint_HTS_Activity (AID 720706)

BRD-A06868307-001-05-0
MLS000068292
AC1NY786
HMS2162J13
CCG-112555
BAS 03842055
SMR000012625
PubChem CID : 5768475

NA (in 1 replicates)

0.58 ± 0.09

Treatment	Score
CCND1.WT.1	0.51
CCND1.WT.2	0.68
E2F1.WT	0.54

NA

Total number of assays tested in: 766. Active in the following assays:

- qHTS Assay for Activators of ClpP (AID 651965)

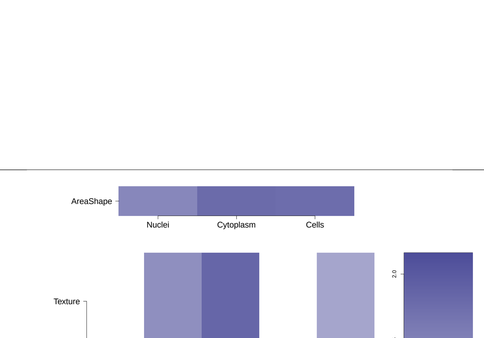
BRD-K22606571-001-05-1
ZINC02277811
AC1LCZ96
MLS000079219
HMS2426D20
ZINC2277811
STK759250
SMR000035371
ST049350
PubChem CID : 658691

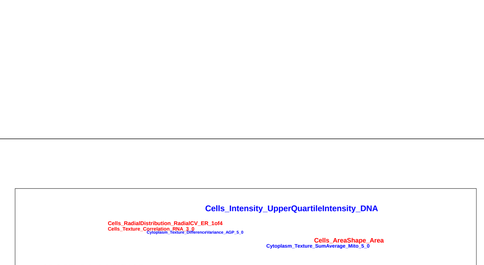
NA (in 1 replicates)

0.57 ± 0.15

Treatment	Score
CCND1.WT.1	0.40
CCND1.WT.2	0.70
E2F1.WT	0.62

NA





Total number of assays tested in: 760. Active in the following assays:

- Human A549 Lung Tumor Cell Growth Inhibition Assay (AID 371)
- CYP2C9 Assay (AID 777)
- qHTS Assay for Identification of Small Molecule Antagonists for Hypoxia Response Element Signaling Pathway (AID 915)
- Multiplexed high-throughput screen for small molecule regulators of RGS family protein interactions, specifically RGS16-Galphao. (AID 1441)
- Multiplexed high-throughput screen for small molecule regulators of RGS family protein interactions. (AID 1504)
- qHTS Multiplex Assay to Identify Dual Action Probes in a Cell Model of Huntington: Aggregate Formation (GFP) (AID 1688)
- Primary cell-based screen for identification of compounds that inhibit the Choline Transporter (CHT) (AID 488975)
- Confirmatory screen for compounds that inhibit the Choline Transporter (CHT) (AID 493221)
- Nrf2 qHTS screen for inhibitors (AID 504444)
- Dose responses of compounds that inhibit the Choline Transporter (CHT) - 5 point CRC (AID 504840)
- Dose responses of compounds that inhibit the Choline Transporter (CHT) - 10 point CRC (AID 588401)
- A Quantitative High throughput Screen to Identify Chemical Modulators of PINK1 Expression (AID 624263)
- qHTS for Antagonists of gsp, the Etiologic Mutation Responsible for Fibrous Dysplasia/McCune-Albright Syndrome: qHTS (AID 624288)
- Counterscreen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483)
- 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)
- Confirmed inhibitors of the Choline Transporter (CHT) (AID 1053196)

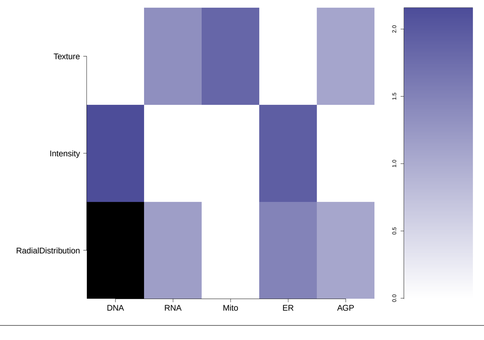
BRD-K54768399-001-05-0
AC1MJYTX
BAS 03150481
MLS001210472
HMS1371E16
HMS2820H13
ZINC4151963
CCG-19476
ZINC04151963
SMR000518311
ST50451353
PubChem CID : 3145514

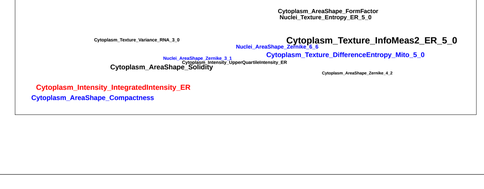
NA (in 1 replicates)

0.55 ± 0.08

Treatment	Score
CCND1.WT.1	0.48
CCND1.WT.2	0.63
E2F1.WT	0.55

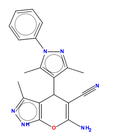
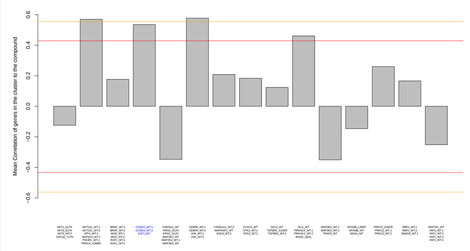
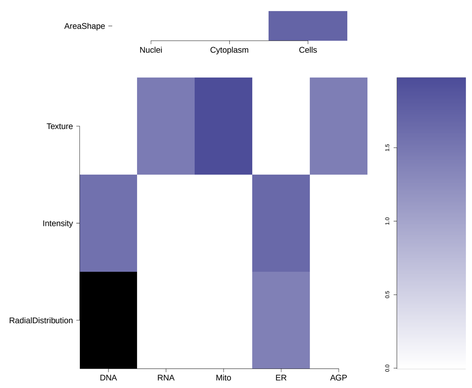
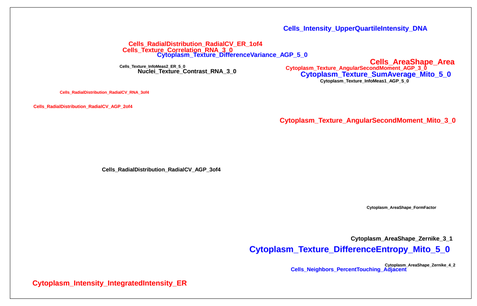
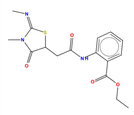
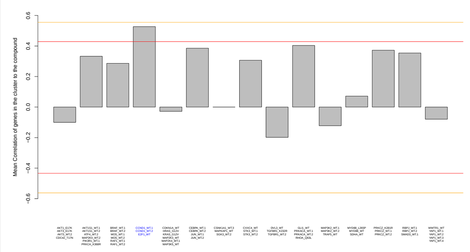
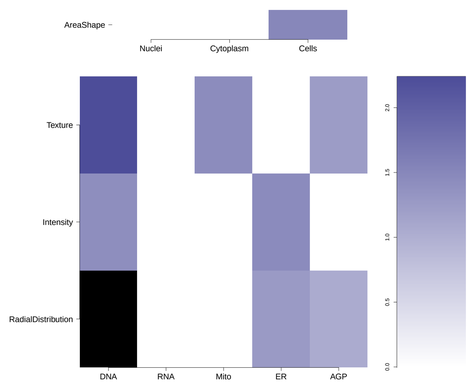
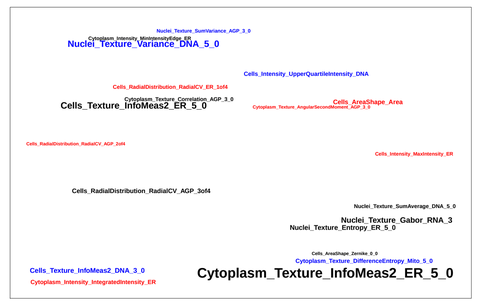
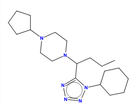
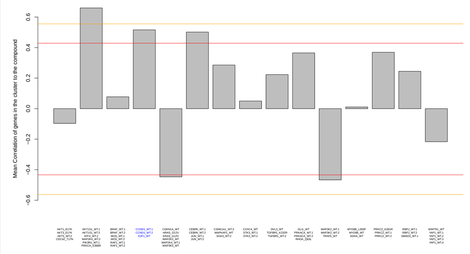
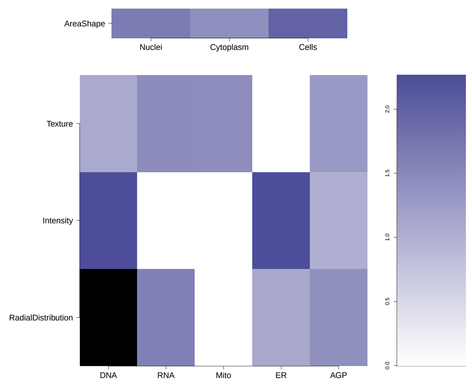
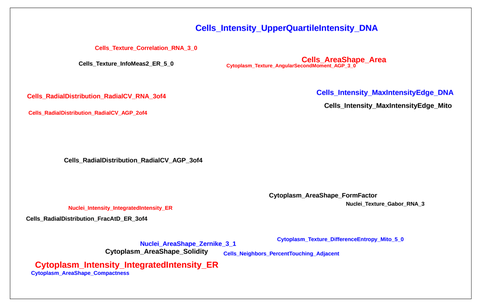
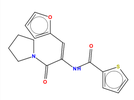
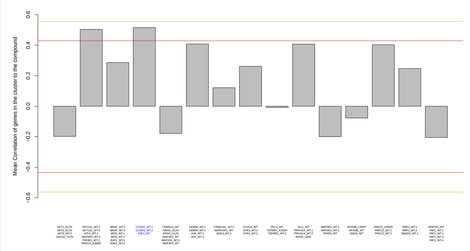
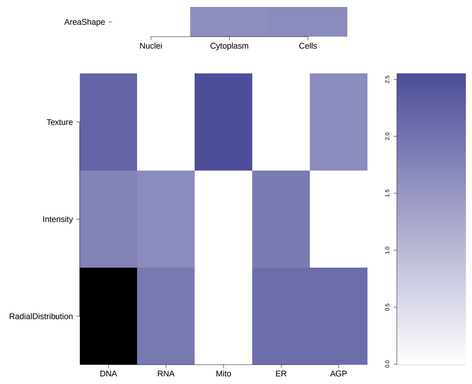
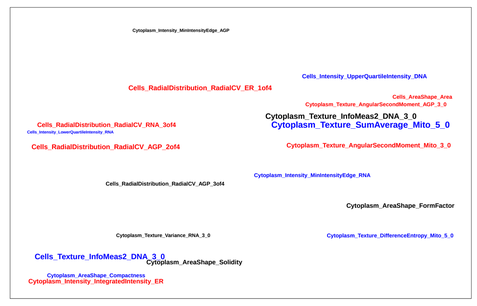
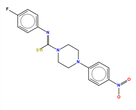
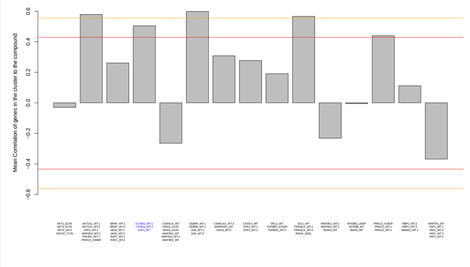
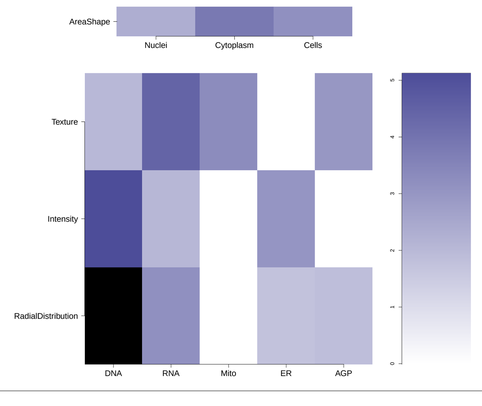
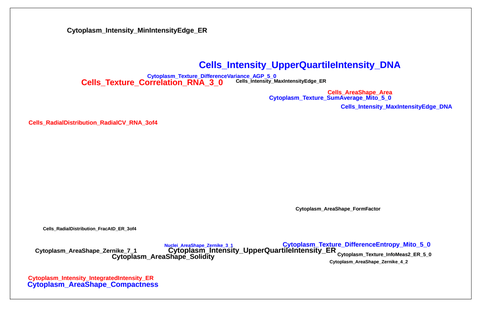
NA





Total number of assays tested in: 517. Active in the following assays:

- Fluorescence-based biochemical primary high throughput screening assay to identify inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 588726)
- Fluorescence-based biochemical high throughput confirmation assay for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 651616)
- uHTS identification of inhibitors of cullin neddylation in a TR-FRET assay (AID 651699)
- Counterscreen for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis: Fluroescence-based biochemical high throughput Glycerophosphate Dehydrogenase-Triosephosphate Isomerase (GDH-TPI) assay to identify assay artifacts (AID 652141)
- qHTS for Inhibitors of KCHN2 3.1: Mutant qHTS (AID 720553)

BRD-A72832265-001-06-3 MLS000548215 AC1NAQN8 HMS2366J06 STK315958 SMR000114937 PubChem CID : 4431146		0.78 (in 2 replicates)	0.54 ± 0.09 Treatment / Score CCND1.WT.1 / 0.49 CCND1.WT.2 / 0.64 E2F1.WT / 0.48	NA				Total number of assays tested in: 668. Active in the following assays: • Multiplex HTS Screen of TOR pathway GFP-fusion proteins in Saccharomyces cerevisiae_specifically_ MEP2_MLPCN. (AID 2016) • Multiplex HTS Screen of TOR pathway GFP-fusion proteins in Saccharomyces cerevisiae_specifically_ RPL19A_MLPCN. (AID 2025) • Fluorescence Cell-Free Homogenous Primary HTS to Identify Inhibitors of RecA Intein Splicing Activity (AID 2221) • 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 Inhibitors of DnaB-Intein Splicing Activity (AID 449749) • Fluorescence Cell-Free Homogeneous Secondary Screen to Identify Non-Covalent Inhibitors of RecA-Intein Splicing Activity (AID 449750) • High-throughput multiplex microsphere screening for inhibitors of toxin protease, specifically Botulinum neurotoxin light chain F protease, MLPCN compound set (AID 588497) • qHTS for Inhibitors of Glutaminase (GLS) (AID 624170)
BRD-A76506127-001-05-9 ST50274698 F1199-0106 SMR000012808 AC1LCS57 MLS000076356 MLS002537053 HMS616N19 HMS2184P11 STK392265 BAS 04357921 EU-0012475 PubChem CID : 655159		NA (in 1 replicates)	0.53 ± 0.10 Treatment / Score CCND1.WT.1 / 0.61 CCND1.WT.2 / 0.55 E2F1.WT / 0.42	NA				Total number of assays tested in: 751.
BRD-A04599535-003-05-3 SMR000004833 AC1O7EWO MLS000029919 MLS002534451 PubChem CID : 6602651		NA (in 1 replicates)	0.52 ± 0.14 Treatment / Score CCND1.WT.1 / 0.37 CCND1.WT.2 / 0.64 E2F1.WT / 0.53	NA				Total number of assays tested in: 752. Active in the following assays: • CYP2C19 Assay (AID 778) • qHTS Assay for Agonists of the Thyroid Stimulating Hormone Receptor: Activators of Intracellular cAMP Concentrations in Parental HEK 293 (AID 938) • uHTS of Mcl-1/Bid interaction inhibitors (AID 1021) • Fluorescence-based primary cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1861)
BRD-K58629399-001-05-0 AC1LFC3S MLS000552402 HMS2367F07 ZINC264225 ZINC00264225 BAS 01128323 SMR000176524 ST50246978 PubChem CID : 775618		0.72 (in 3 replicates)	0.52 ± 0.05 Treatment / Score CCND1.WT.1 / 0.51 CCND1.WT.2 / 0.56 E2F1.WT / 0.47	NA				Total number of assays tested in: 661. Active in the following assays: • qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) • High Content Assay for Compounds that inhibit the Assembly of the Perinucleolar Compartment (AID 2417)
BRD-K87091170-001-06-1 ST51029427 AC1MEUID MLS000662650 HMS2723M17 STK144293 ZINC13497441 SMR000270103 PubChem CID : 2909240		NA (in 1 replicates)	0.50 ± 0.07 Treatment / Score CCND1.WT.1 / 0.44 CCND1.WT.2 / 0.58 E2F1.WT / 0.49	NA				Total number of assays tested in: 633. Active in the following assays: • Luminescence Cell-Based Primary HTS to Identify Inhibitors of Beta Cell Apoptosis. (AID 435005) • Luminescence Cell-Based Dose Retest to Confirm Inhibitors of Beta Cell Apoptosis (AID 449756) • ATP-based Luminescence in the Absence of Cytokines Measured in Cell-Based System Using Plate Reader - 2061-06_Inhibitor_Dose_CherryPick (AID 463229) • Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652) • 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)

BRD-K70677790-001-05-8
MLS000559030
SMR000149346
AC1LZUK5
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KSC-21-83B
KUC107305N
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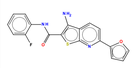
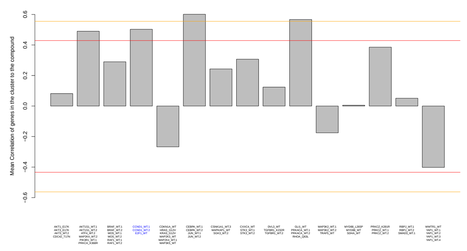


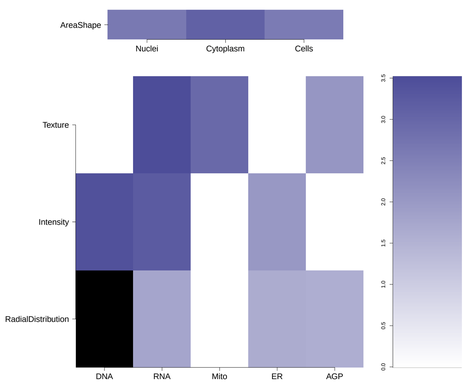
NA (in 1 replicates)

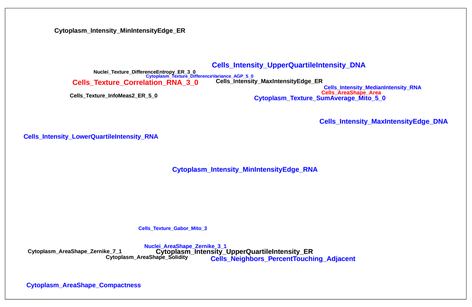
0.50 ± 0.07

Treatment	Score
CCND1.WT.1	0.46
CCND1.WT.2	0.58
E2F1.WT	0.47

NA







- Total number of assays tested in: 700. Active in the following assays:
- Primary cell-based high-throughput screening assay to identify antagonists of Galanin Receptor 2 (GALR2) (AID 828)
- Screen for Chemicals that Inhibit the RAM Network (AID 868)
- uHTS of Mcl-1/Bid interaction inhibitors (AID 1021)
- uHTS of Mcl-1/Noxa interaction inhibitors (AID 1022)
- HTS identification of compounds inhibiting phosphomannose isomerase (PMI) via a fluorescence intensity assay using a high concentration of mannose 6-phosphate (AID 1220)
- Primary screen for compounds that activate Alzheimer's amyloid precursor (AID 1276)
- Dose Response Confirmation for Mcl-1/Noxa Interaction Inhibitors (AID 1417)
- qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490)
- Fluorescence-based primary biochemical high throughput screening assay to identify inhibitors of the Hepatitis C Virus non-structural protein 3 helicase (NS3) (AID 1800)
- MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)
- TR-FRET-based primary biochemical high-throughput screening assay to identify inhibitors of Hepatitis C Virus (HCV) core protein dimerization (AID 1899)
- Fluorescence-based confirmation biochemical high throughput screening assay for inhibitors of the Hepatitis C Virus non-structural protein 3 helicase (NS3) (AID 1943)
- Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of tRNA 2'-phosphotransferase (TPT1). (AID 1962)
- uHTS HTRF assay for identification of inhibitors of SUMOylation (AID 2006)
- uHTS fluorescence polarization assay for the identification of translation initiation inhibitors (eIF4H) (AID 2012)
- uHTS fluorescence polarization assay for the identification of translation initiation inhibitors (PABP) (AID 2014)
- 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 to identify inhibitors of tRNA 2'-phosphotransferase (TPT1). (AID 2149)
- Fluorescence polarization-based counterscreen assay for inhibitors of tRNA 2'-phosphotransferase (TPT1): biochemical high throughput screening assay to identify inhibitors of RNAse T1. (AID 2153)
- Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
- A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
- Confirmation qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 2701)
- uHTS Luminescent assay for identification of inhibitors of mouse intestinal alkaline phosphatase (AID 2806)
- Single concentration confirmation of uHTS hits from a small molecule inhibitors of mouse intestinal alkaline phosphatase via a luminescent assay (AID 434971)
- Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of the plasma platelet activating factor acetylhydrolase (pPAFAH) (AID 463082)
- uHTS identification of small molecule inhibitors of tim10 yeast via a luminescent assay (AID 463195)
- qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364)
- Inhibitos of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase): Dry Powder Followup (AID 493214)
- uHTS fluorescent assay for identification of inhibitors of ATG4B (AID 504462)
- 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)
- uHTS identification of inhibitors of Rpn11 in a Fluorescent Polarization assay (AID 588493)
- Primary cell-based high-throughput screening for identification of compounds that antagonize MrgX1 receptor signaling (AID 588676)
- Fluorescence-based biochemical primary high throughput screening assay to identify inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 588726)
- qHTS for Inhibitors of Vif-A3F Interactions: qHTS (AID 602313)
- Re-confirmation screening for identification of compounds that antagonize MrgX1 receptor signaling (AID 602420)
- Fluorescence-based biochemical high throughput confirmation assay for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 651616)
- qHTS for inhibitors of Vif-A3G interactions: Cherry picks (AID 651812)
- Fluorescence-based biochemical primary high throughput screening assay to identify molecules that bind r(CAG) RNA repeats (AID 651821)
- qHTS Assay for Activators of ClpP (AID 651965)
- Fluorescence-based biochemical high throughput confirmation assay to identify molecules that bind r(CAG) RNA repeats (AID 652065)
- 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)
- Counterscreen for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis: Fluroescence-based biochemical high throughput Glycerophosphate Dehydrogenase-Triosephosphate Isomerase (GDH-TPI) assay to identify assay artifacts (AID 652141)
- Primary biochemical fluorescence polarization-based high throughput screening assay to identify inhibitors of protein arginine methyltransferase 1 (PRMT1) (AID 652257)
- Fluorescence polarization-based biochemical high throughput confirmation assay to identify inhibitors of protein arginine methyltransferase 1 (PRMT1) (AID 687036)
- QFRET-based biochemical high throughput primary assay to identify inhibitors of human group III secreted phospholipase A2 enzyme (HGIII-sPLA2) (AID 743126)

BRD-K37906141-001-01-8
PubChem CID : 44617686

0.93 (in 4 replicates)

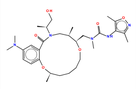
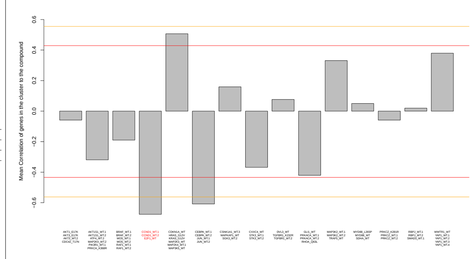
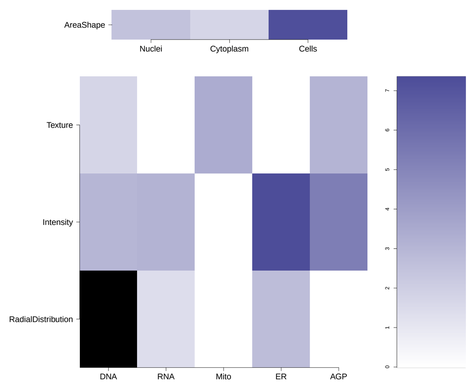
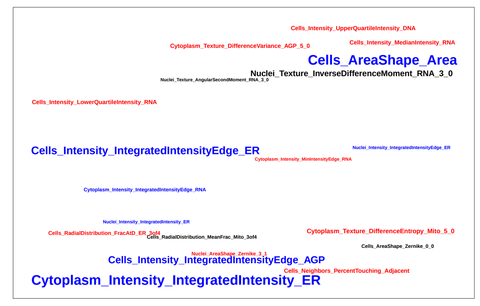
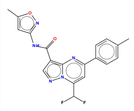
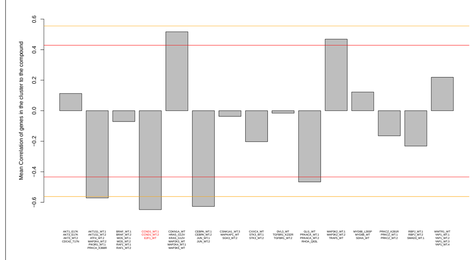
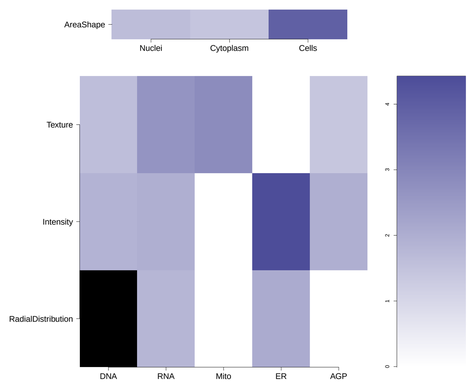
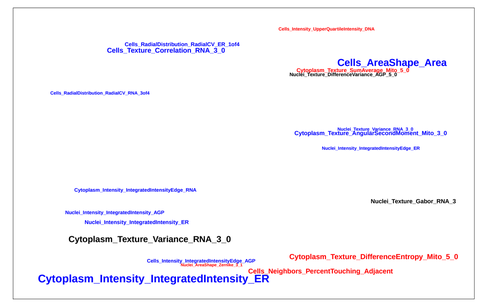
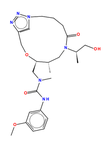
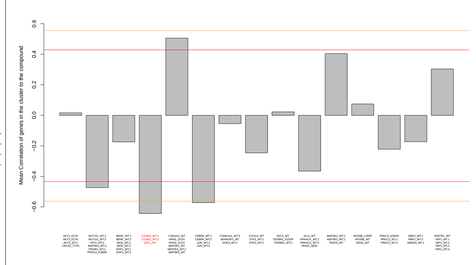
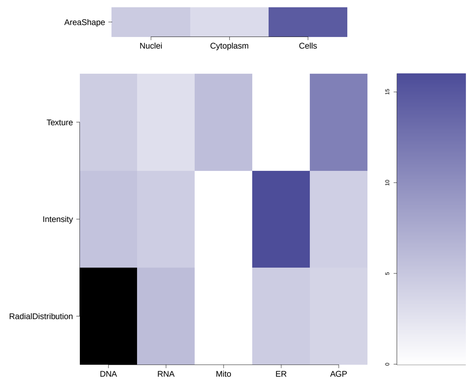
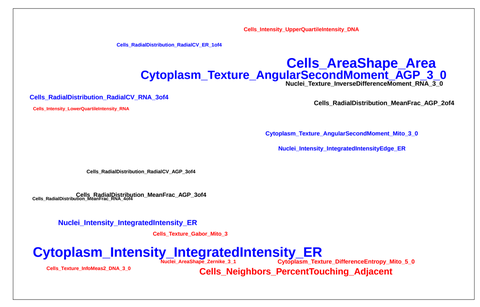
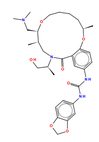
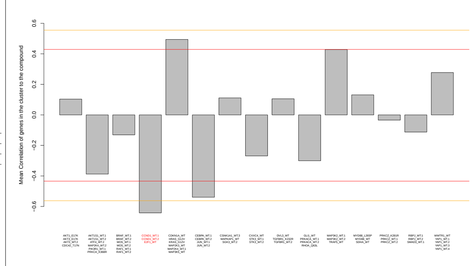
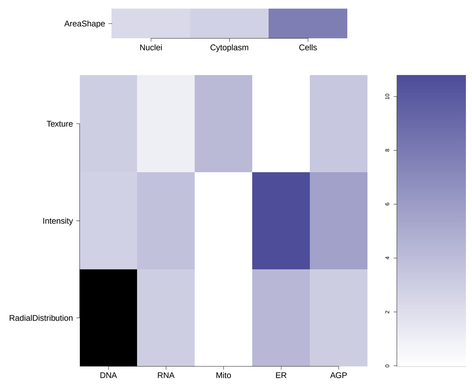
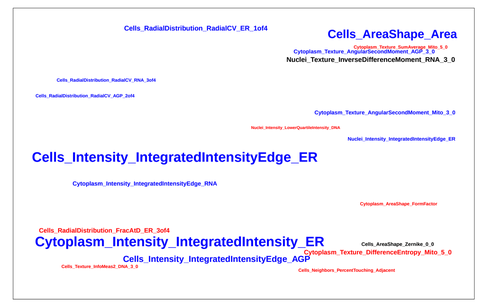
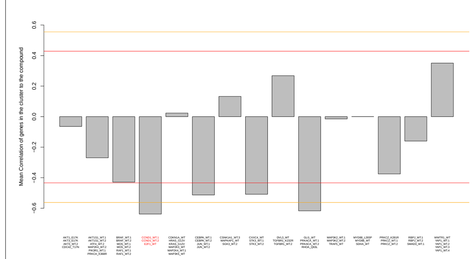
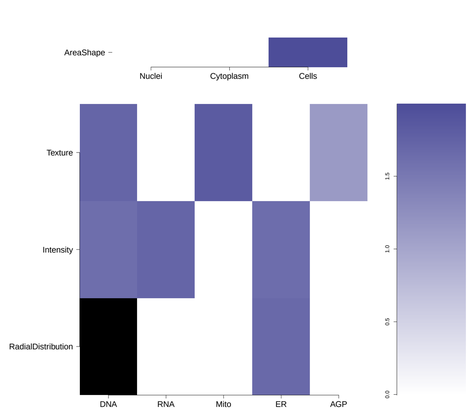
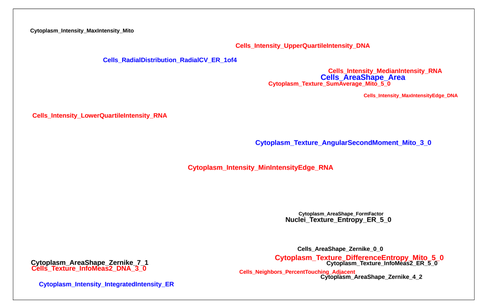
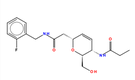
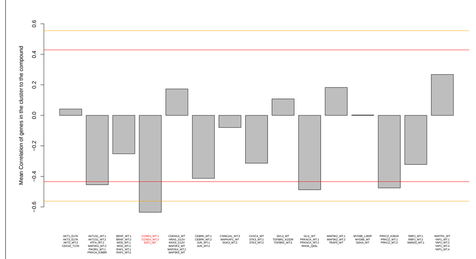
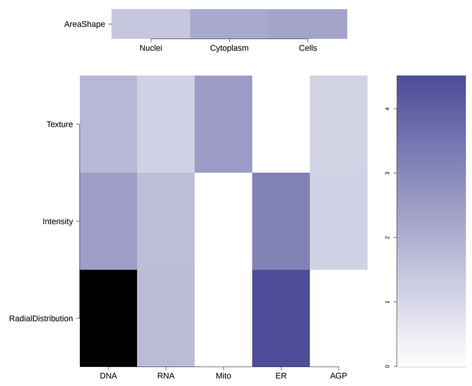
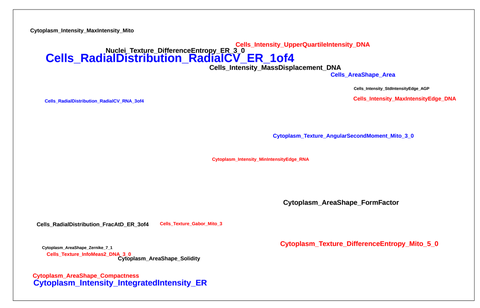
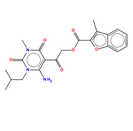
-0.68 ± 0.09

Treatment	Score
CCND1.WT.1	-0.71
CCND1.WT.2	-0.75
E2F1.WT	-0.57

0.174 ± 0.087

Treatment	Score
CCND1.WT.1	0.094
CCND1.WT.2	0.161
E2F1.WT	0.267

Total number of assays tested in: 40.

BRD-K36176998-001-01-3 PubChem CID : 44486403		0.88 (in 4 replicates)	-0.68 ± 0.06 Treatment / Score CCND1.WT.1 / -0.64 CCND1.WT.2 / -0.74 E2F1.WT / -0.65	0.541 ± 0.298 Treatment / Score CCND1.WT.1 / 0.345 CCND1.WT.2 / 0.394 E2F1.WT / 0.884				Total number of assays tested in: 46.
BRD-K99447049-001-04-5 ZINC00815361 SMR000092393 AC1LM0O9 MLS000115228 MLS001368098 HMS2251O07 ZINC815361 STK961361 CCG-117641 BAS 09530694 ST50718758 PubChem CID : 1094029		NA (in 1 replicates)	-0.65 ± 0.13 Treatment / Score CCND1.WT.1 / -0.52 CCND1.WT.2 / -0.78 E2F1.WT / -0.64	NA				Total number of assays tested in: 783.
BRD-K80711156-001-02-8 MLS003129217 SMR001833663 PubChem CID : 44505852		0.94 (in 3 replicates)	-0.64 ± 0.08 Treatment / Score CCND1.WT.1 / -0.60 CCND1.WT.2 / -0.74 E2F1.WT / -0.59	0.716 ± 0.281 Treatment / Score CCND1.WT.1 / 0.844 CCND1.WT.2 / 0.394 E2F1.WT / 0.911				Total number of assays tested in: 77.
BRD-K90061492-001-01-1 PubCom CID : 44483968		0.84 (in 3 replicates)	-0.64 ± 0.07 Treatment / Score CCND1.WT.1 / -0.62 CCND1.WT.2 / -0.72 E2F1.WT / -0.59	0.679 ± 0.260 Treatment / Score CCND1.WT.1 / 0.741 CCND1.WT.2 / 0.394 E2F1.WT / 0.903				Total number of assays tested in: 28.
BRD-K72107498-001-05-9 MLS000057806 SMR000063190 T5226776 AC1M0V5G MLS002634435 BDBM54163 HMS2386L16 ZINC2622078 ZINC02622078 PubChem CID : 2083976		NA (in 1 replicates)	-0.64 ± 0.11 Treatment / Score CCND1.WT.1 / -0.75 CCND1.WT.2 / -0.63 E2F1.WT / -0.54	NA				Total number of assays tested in: 783. Active in the following assays: • Primary HTS assay for 5-Hydroxytryptamine (Serotonin) Receptor Subtype 1a (5HT1a) antagonists (AID 612) • uHTS luminescence assay for the identification of compounds that inhibit NOD1 (AID 1578) • SAR analysis of compounds that inhibit NOD1 revised (AID 2333) • SAR analysis of compounds that inhibit NOD2 revised (AID 2334) • qHTS screen for small molecules that inhibit ELG1-dependent DNA repair in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504467) • qHTS for inhibitors of binding or entry into cells for Marburg Virus (AID 540276) • Luminescence-based cell-based primary high throughput screening assay to identify agonists of the mouse 5-hydroxytryptamine (serotonin) receptor 2A (HTR2A) (AID 624169) • MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2139-01_Activator_SinglePoint_HTS_Activity (AID 651723) • qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978) • MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2139-01_Activator_Dose_CherryPick_Activity_Set6 (AID 720513) • Fluorescence-based biochemical high throughput primary assay to identify inhibitors of phospholipase C isozymes (PLC-beta3). (AID 720704)
BRD-K18092396-001-01-2 PubChem CID : 54641074		NA (in 1 replicates)	-0.63 ± 0.05 Treatment / Score CCND1.WT.1 / -0.60 CCND1.WT.2 / -0.69 E2F1.WT / -0.61	NA				Total number of assays tested in: 38.
BRD-K68607418-004-05-5 MLS000068649 AC1O7FQT CTK7I7840 SMR000010792 TR-041126 Z-2138 PubChem CID : 6603383		0.86 (in 3 replicates)	-0.61 ± 0.09 Treatment / Score CCND1.WT.1 / -0.54 CCND1.WT.2 / -0.72 E2F1.WT / -0.58	NA				Total number of assays tested in: 766. Active in the following assays: • qHTS Assay for Inhibitors of DNA Polymerase Beta (AID 485314)

BRD-K36341910-001-05-9
MLS000764510
SMR000290115
AC1MJQFS
BAS 00255348
BDBM60660
HMS2694G18
ZINC6445401
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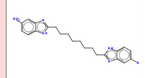
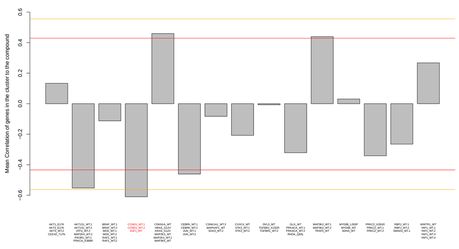


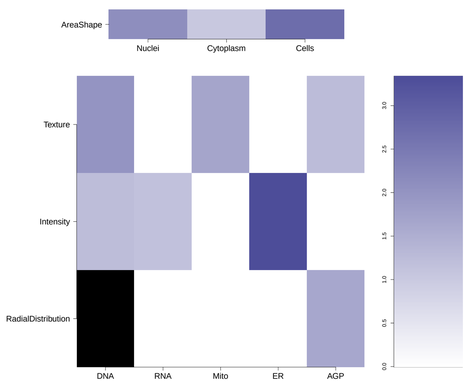
NA (in 1 replicates)

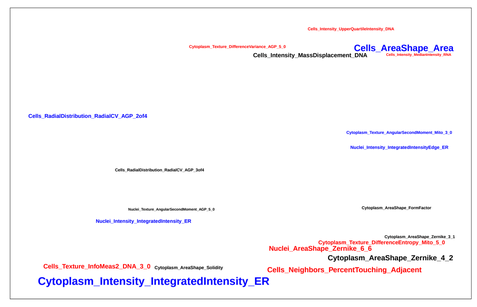
-0.61 ± 0.09

Treatment	Score
CCND1.WT.1	-0.53
CCND1.WT.2	-0.71
E2F1.WT	-0.58

NA



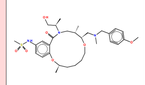




Total number of assays tested in: 634. Active in the following assays:

- Luminescent assay for identification of activators of bovine intestinal alkaline phosphatase (AID 1016)
- Multiplex HTS Assay for Inhibitors of MEK Kinase PB1 Domains, specifically MEK5 binding to MEK Kinase 2 Wildtype (AID 1531)
- Identification of SV40 T antigen inhibitors: A route to novel anti-viral reagents (AID 1903)
- A biochemical assay using the ADP-Hunter methodology, purified TAg, and ATP to identify compounds that inhibit the ATPase activity of Tag - Counter Screen (AID 2501)
- Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of the prolyl oligopeptidase-like enzyme (PREPL) (AID 2751)
- HTS-Luminescent assay for inhibitors of ALR by detection of hydrogen peroxide production Measured in Biochemical System Using Plate Reader - 2036-02_Inhibitor_SinglePoint_HTS (AID 485317)
- qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
- qHTS Assay for Inhibitors of BAZ2B (AID 504333)
- qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339)
- Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832)
- Inhibition of Trypanosoma cruzi TryR using trypanothione as substrate preincubated for 10 mins (AID 617146)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296)
- uHTS identification of small molecule inhibitors of Low Molecular Weight Protein Tyrosine Phosphatase, LMPTP, via a fluorescence intensity assay (AID 651560)
- Dose response confirmation of small molecule inhibitors of Low Molecular Weight Protein Tyrosine Phosphatase, LMPTP, via a fluorescence intensity assay (AID 651700)
- QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM17. (AID 720648)

BRD-K71496240-001-01-7
MLS003128726
SMR001833172
PubChem CID : 46903682



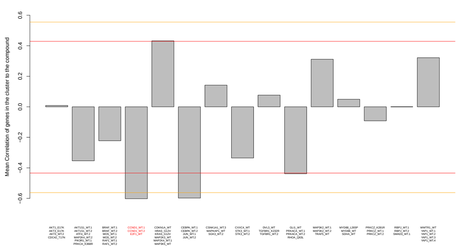
0.79 (in 4 replicates)

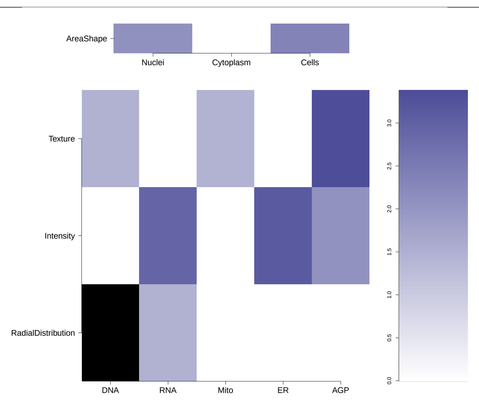
-0.60 ± 0.06

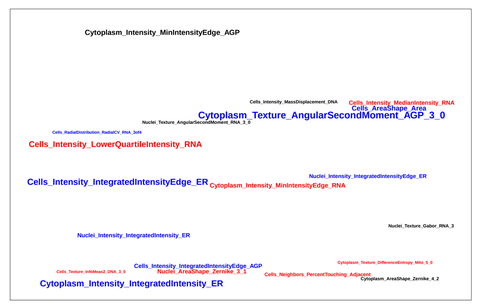
Treatment	Score
CCND1.WT.1	-0.58
CCND1.WT.2	-0.68
E2F1.WT	-0.55

0.612 ± 0.300

Treatment	Score
CCND1.WT.1	0.808
CCND1.WT.2	0.759
E2F1.WT	0.267







Total number of assays tested in: 213.