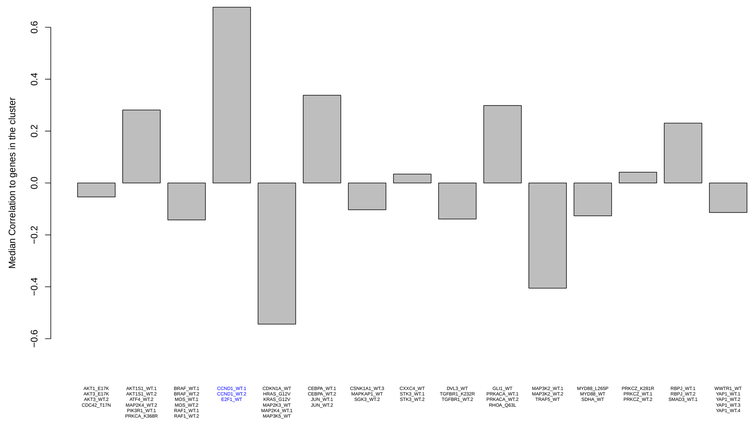
Genes in the cluster along with the pathways as annotated by experts

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

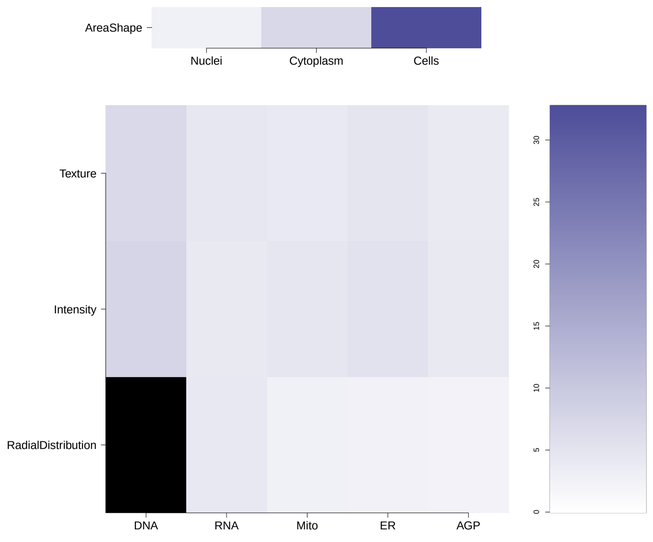
How similar is this cluster to the other clusters?



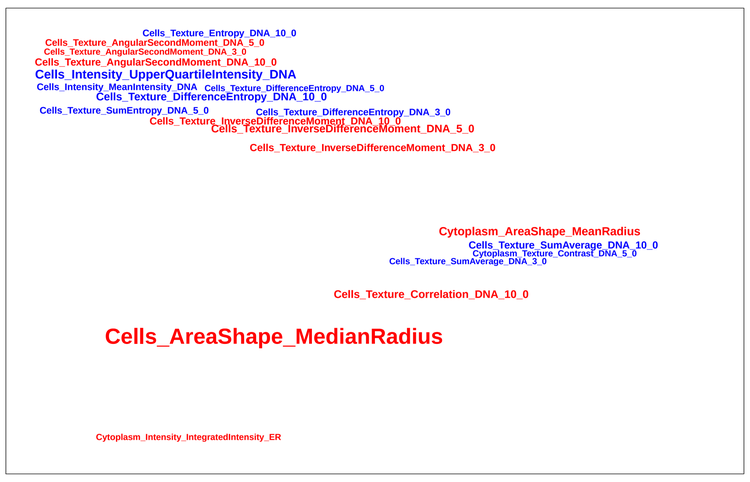
Top 5 genes negatively correlated to the cluster

Treatment	Expert Annotation		Mean Correlation	Standard Deviation
	Pathway	Regulation Type		
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

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?

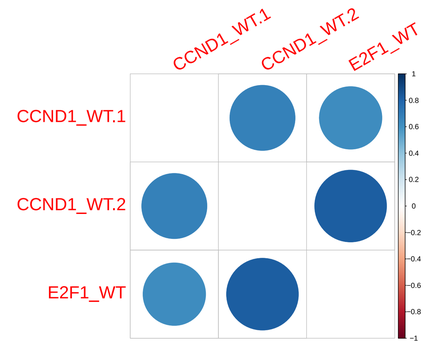
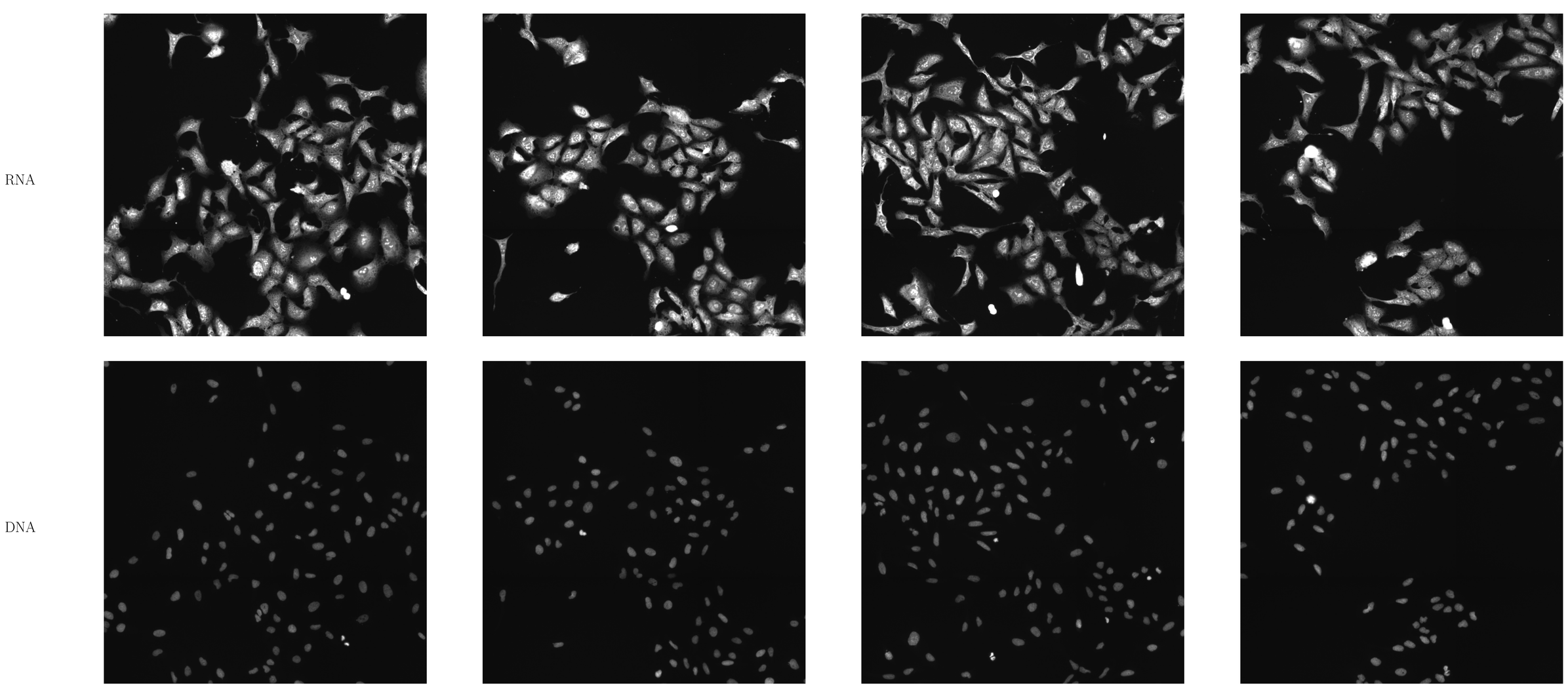
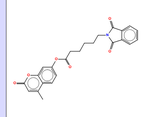
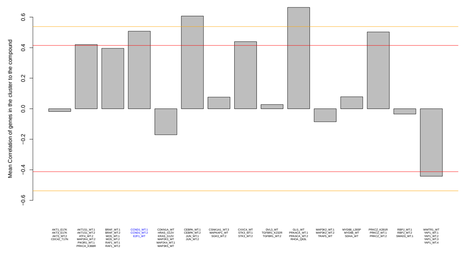
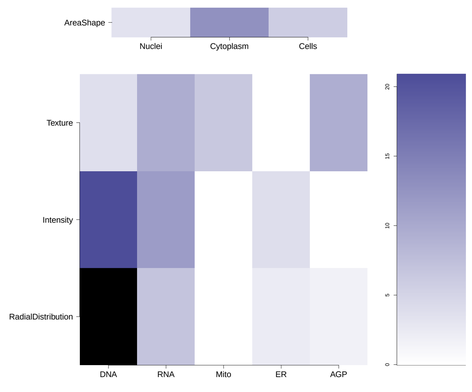
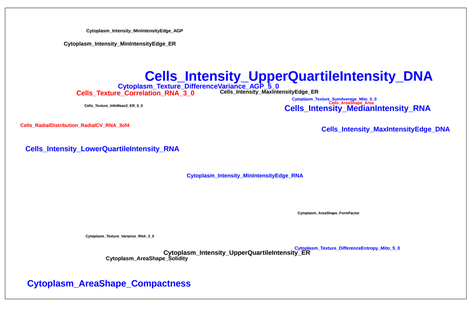
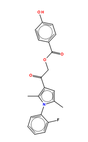


Plate : 41744 - Genes in the Cluster (Channels are sorted based on their dominance in the grid plot)



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-K28901743-001-05-3 ZINC01748812 AC1LTAWC MLS000552933 ZINC1748812 CCG-15676 STL331422 BAS 00558059 SMR000175471 ST50181975 PubChem CID : 1555494		NA (in 1 replicates)	0.51 ± 0.05 Treatment / Score CCND1_WT.1 / 0.45 CCND1_WT.2 / 0.52 E2F1_WT / 0.55	NA				Total number of assays tested in: 626. Active in the following assays: • Screen for Chemicals that Extend Yeast Lifespan (AID 775) • uHTS identification of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463190) • Single concentration confirmation of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463213) • Fluorescence-based biochemical primary high throughput screening assay to identify inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 588726) • 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-K06736360-001-05-1
ZINC03416368
AC1M8DOD
MLS000760967
HMS2708G03
ZINC3416368
SMR000372267
T5315952
PubChem CID : 2535434

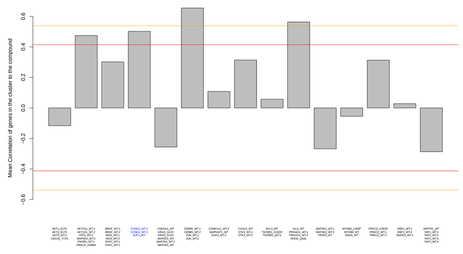


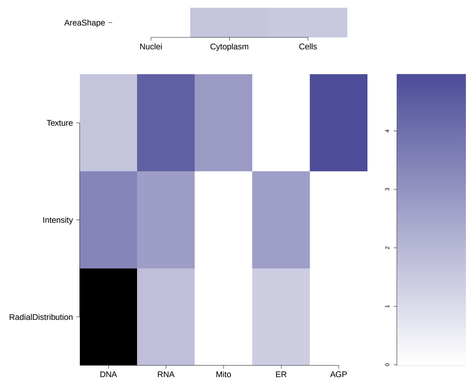
NA (in 1 replicates)

0.50 ± 0.05

Treatment	Score
CCND1_WT.1	0.45
CCND1_WT.2	0.56
E2F1_WT	0.50

NA

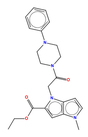




Total number of assays tested in: 624. Active in the following assays:

- 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-K59496950-001-06-2
SMR000008290
AC1LDHEO
ASN 08222509
MLS000068187
MLS002538128
HMS2502P09
ZINC1337997
ZINC01337997
PubChem CID : 648117

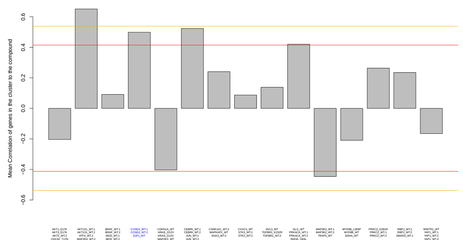


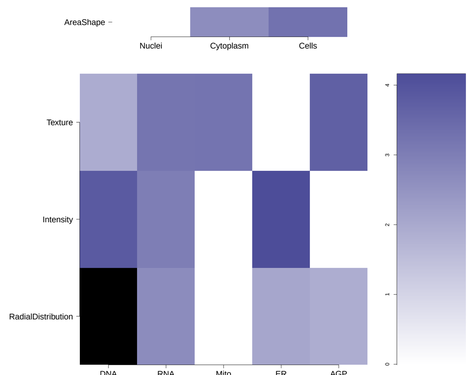
NA (in 1 replicates)

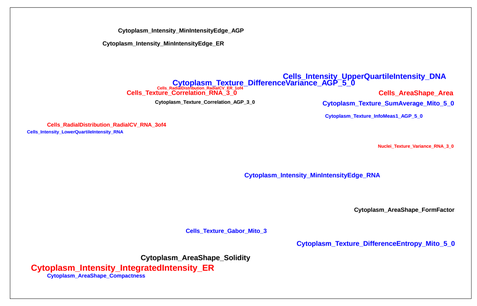
0.50 ± 0.10

Treatment	Score
CCND1_WT.1	0.40
CCND1_WT.2	0.60
E2F1_WT	0.50

NA



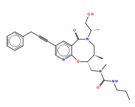




Total number of assays tested in: 762. Active in the following assays:

- Luminescence Cell-Based Primary HTS to Identify Transcriptional Activators of Hypoxia-Inducible Factor Pathway (AID 1910)
- qHTS Inhibitors of AmpC Beta-Lactamase (assay with detergent) (AID 485294)

BRD-K91098396-001-01-9
PubChem CID : 54619176



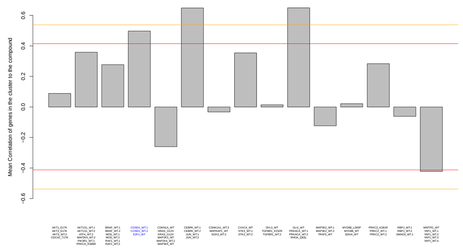
0.85 (in 4 replicates)

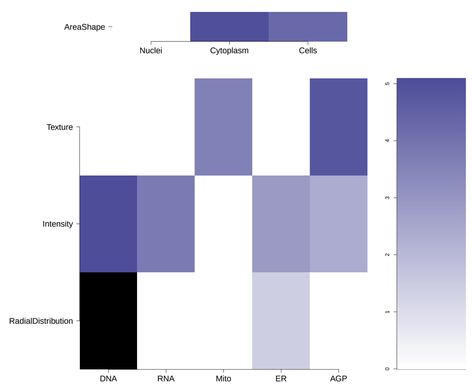
0.50 ± 0.04

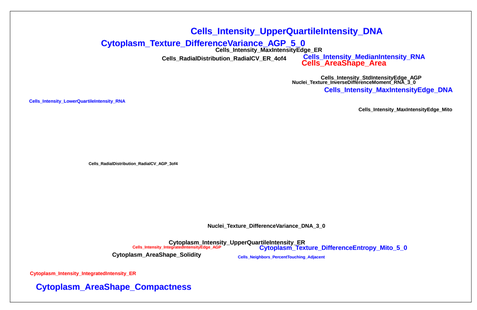
Treatment	Score
CCND1_WT.1	0.51
CCND1_WT.2	0.53
E2F1_WT	0.46

0.316 ± 0.365

Treatment	Score
CCND1_WT.1	0.153
CCND1_WT.2	0.061
E2F1_WT	0.733







Total number of assays tested in: 37.

BRD-K09579906-001-05-3
ST022991
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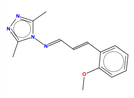
MLS000765897
HMS1398C03
ZINC15986547
BAS 00921730
SMR000279003
T0504-7282
PubChem CID : 6861738

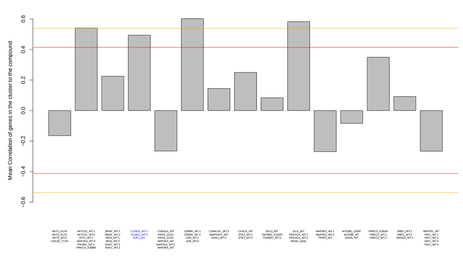


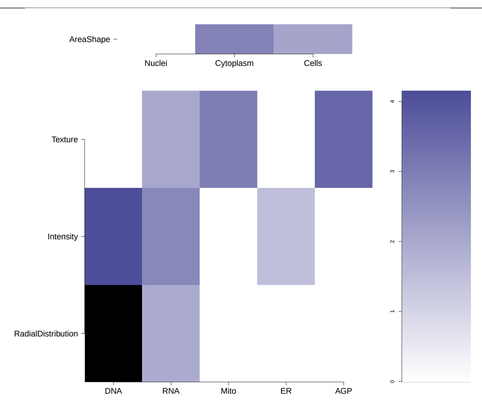
NA (in 1 replicates)

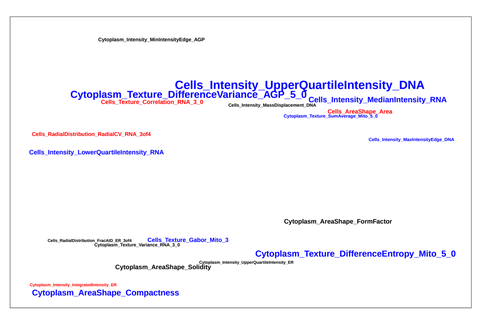
0.49 ± 0.09

Treatment	Score
CCND1_WT.1	0.39
CCND1_WT.2	0.57
E2F1_WT	0.51

NA



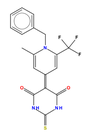




Total number of assays tested in: 628. Active in the following assays:

- Aqueous Solubility from MLSMR Stock Solutions (AID 1996)
- qHTS for Inhibitors of TGF-b: Cytotox Counterscreen (AID 588856)
- 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)

BRD-K70783599-001-06-5
ST50133582
AC1LQBW4
MLS000662655
HMS2706O12
ZINC1151909
STK987650
SMR000270095
PubChem CID : 1322062

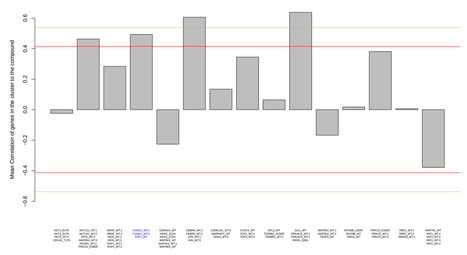


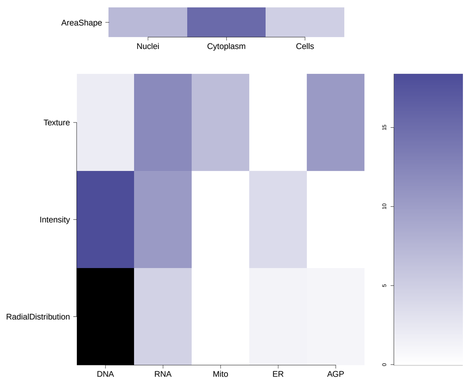
NA (in 1 replicates)

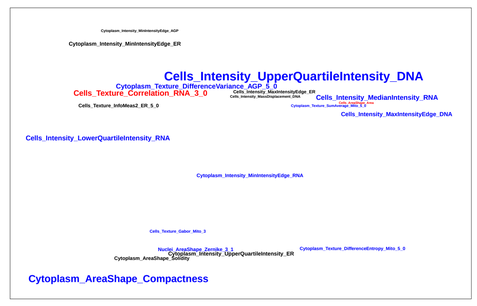
0.49 ± 0.07

Treatment	Score
CCND1_WT.1	0.41
CCND1_WT.2	0.54
E2F1_WT	0.53

NA







Total number of assays tested in: 631. Active in the following assays:

- HTS identification of compounds activating phosphomannose isomerase (PMI) via a fluorescence intensity assay using a near- saturating concentration of mannose 6-phosphat (AID 1216)
- Primary screen for compounds that inhibit Alzheimer's amyloid precursor protein (APP) translation (AID 1285)
- MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - inhibitors (AID 1813)
- HCS assay for microtubule stabilizers (AID 2205)
- uHTS luminescence assay for the identification of chemical inhibitors of T-cell specific antigen receptor-induced NF-kB activation (AID 435003)
- Fluorescent Polarization Homogeneous Dose Retest to Confirm Inhibitors of Mex-5 Binding to TCR-2 (AID 449745)
- High-content cell-based screening for modulators of autophagy (AID 463193)
- qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
- Nrf2 qHTS screen for inhibitors: counterscreen for cytotoxicity (AID 504648)
- Cholera Quorum: HTS for inducers of light production in the absence ofautoinducers using BH1578 (luxS deficient, cqsA deficient) Measured in Microorganism System Using Plate Reader - 2132-01_Agonist_SinglePoint_HTS_Activity (AID 588436)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in SW480 colon adenocarcinoma cells. (AID 624297)
- uHTS identification of small molecule Triacylglycerol inhbitors in a fluoresence assay (AID 651582)
- Luminescence Cell-Based Primary HTS to identify inhibitors of the oncoprotein EWS/Fli transcriptional activity Measured in Cell-Based System Using Plate Reader - 7014-01_Inhibitor_SinglePoint_HTS_Activity (AID 651661)
- MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2139-01_Inhibitor_SinglePoint_HTS_Activity (AID 651687)
- qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-NT fibrosarcoma cell line (AID 686970)
- qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-IDH1KD cell line (AID 686971)
- 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-A72832265-001-06-3
MLS000548215
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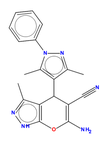
STK315958
SMR000114937
PubChem CID : 4431146

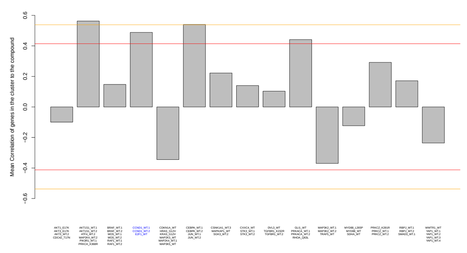


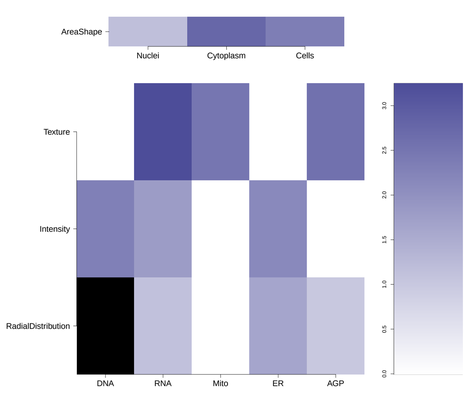
0.74 (in 2 replicates)

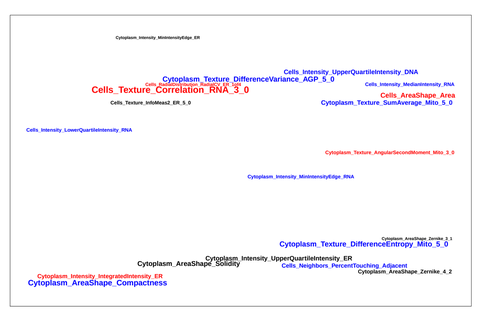
0.49 ± 0.09

Treatment	Score
CCND1_WT.1	0.44
CCND1_WT.2	0.59
E2F1_WT	0.44

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-K42394406-001-05-1
MLS000325367
SMR000163586
ST50695458
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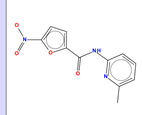
BDBM96244
HMS2356J23
ZINC342230
STK044944
ZINC00342230
PubChem CID : 823976

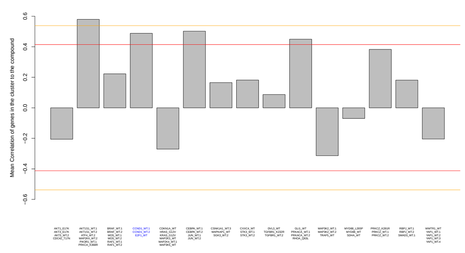


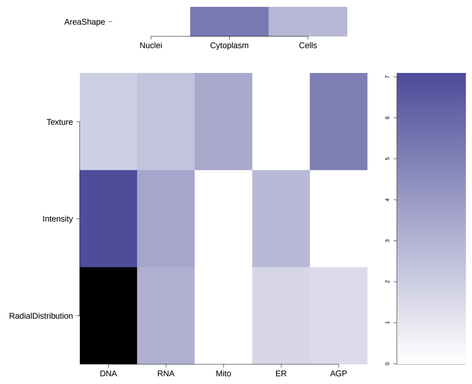
0.76 (in 2 replicates)

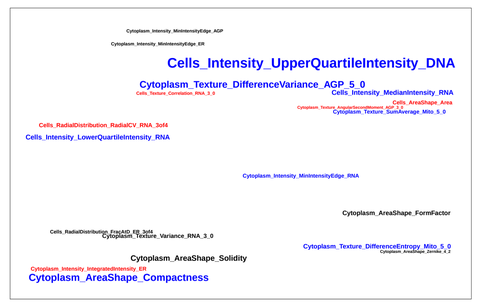
0.49 ± 0.08

Treatment	Score
CCND1_WT.1	0.41
CCND1_WT.2	0.56
E2F1_WT	0.50

NA



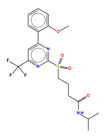




Total number of assays tested in: 687. Active in the following assays:

- High Throughput Screen to Identify Compounds that Suppress the Growth of Human Colon Tumor Cells Lacking Oncogenic Beta Catenin Expression (AID 818)
- High Throughput Screen to Identify Compounds that Suppress the Growth of Cells with a Deletion of the PTEN Tumor Suppressor (AID 827)
- Leishmania major promastigote HTS (AID 1063)
- Cytochrome panel assay with activity outcomes (AID 1851)
- Plate Read Microorganism-Based Primary HTS to Identify Modulators of the AI-2 Quorum Sensing System (AID 2094)
- Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
- qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)
- Absorbance-based primary bacterial cell-based high throughput screening assay to identify inhibitors of AddAB recombination protein complex (AID 435030)
- Counterscreen for inhibitors of AddAB: absorbance-based bacterial cell-based high throughput screening assay to identify inhibitors of bacterial viability (AID 449728)
- uHTS identification of small molecule inhibitors of tim10 yeast via a luminescent assay (AID 463195)
- FRET-based cell-based primary high throughput screening assay to identify antagonists of the orexin 1 receptor (OX1R; HCRTR1) (AID 485270)
- Elucidation of physiology of non-replicating, drug-tolerant Mycobacterium tuberculosis (AID 488890)
- Absorbance-based bacterial cell-based high throughput confirmation assay for inhibitors of AddAB recombination protein complex (AID 488942)
- Counterscreen for AddAB inhibitors: absorbance-based high throughput cell-based assay to identify inhibitors of RecBCD (AID 488955)
- Counterscreen for AddAB inhibitors: absorbance-based bacterial cell-based high throughput confirmation assay for inhibitors of bacterial viability (AID 488956)
- A Cell Based Secondary Assay to Explore Cytotoxicity in THP-1 Cells of Compounds that Modulate Non-Replicating, Drug-tolerant Mycobacterium tuberculosis (AID 489025)
- A Cell Based Secondary Assay to Explore Compounds that Modulate Non-Replicating, Drug-tolerant Compounds in Replicating H37Rv TB of Mycobacterium tuberculosis (AID 492952)
- A Cell Based Secondary Assay to Explore Cytotoxicity in Vero E6 Cells of Compounds that Modulate Non-Replicating, Drug-tolerant Mycobacterium tuberculosis (AID 492998)
- Counterscreen for antagonists of the orexin 1 receptor (OX1R; HCRTR1): Homogenous time resolved fluorescence (HTRF)-based cell-based assay to identify antagonists of the parental CHO-K1 cell line (AID 493232)
- Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834)
- uHTS identification of cystic fibrosis induced NFkb Inhibitors in a fluoresence assay (AID 588850)
- qHTS for Inhibitors of TGF-b: Cytotox Counterscreen (AID 588856)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in SW480 colon adenocarcinoma cells. (AID 624297)
- Absorbance-based primary bacterial cell-based high throughput screening assay to identify inhibitors of RecBCD (with phage) (AID 651602)
- MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2139-01_Activator_SinglePoint_HTS_Activity (AID 651723)
- Counterscreen for RECBCD inhibitors: absorbance-based high throughput cell-based assay to identify inhibitors of AddAB recombination protein complex (AID 651984)
- Luminescence-based cell-based primary high throughput screening assay to identify activators of the function of SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2, BRM) (AID 652017)
- Luminescence-based cell-based primary high throughput confirmation assay to identify activators of the function of SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2, BRM) (AID 652260)
- 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-K63463410-001-08-6
SMR000021775
MLS000086266
AC1MMFOC
MLS001367947
BDBM39102
HMS2325J20
ZINC3655042
EU-0054299
PubChem CID : 3238021

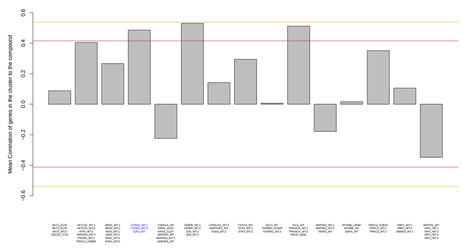


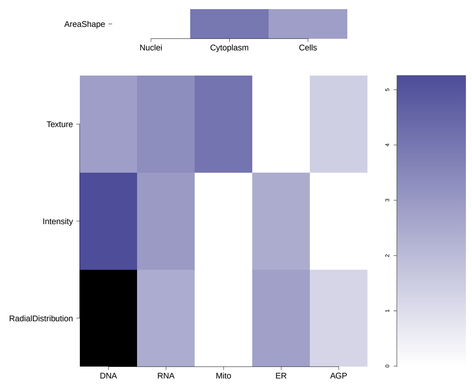
0.64 (in 4 replicates)

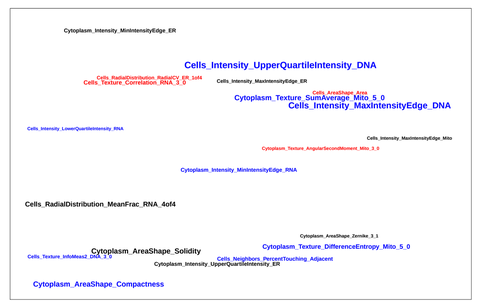
0.49 ± 0.05

Treatment	Score
CCND1.WT.1	0.45
CCND1.WT.2	0.54
E2F1.WT	0.46

NA







Total number of assays tested in: 804. Active in the following assays:

- Primary Cell-based High Throughput Screening assay for inhibitors of the Retinoic Acid Receptor-related orphan receptor A (RORA) (AID 561)
- Primary Cell Based High Throughput Screening Assay for Antagonists of the 5-Hydroxytryptamine Receptor Subtype 1E (5HT1E) (AID 571)
- qHTS Assay for Spectroscopic Profiling in 4-MU Spectral Region (AID 589)
- qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590)
- Dose-response cell-based assay for inhibitors of the Retinoic Acid Receptor-related orphan receptor A (RORA) (AID 610)
- Counterscreen for inhibitors of the Retinoic Acid Receptor-related orphan receptor A (RORA): A cell-based dose-response assay for inhibition of the Steroidogenic Factor 1 (SF-1) (AID 611)
- Isolation of Inhibitors of Her-Kinase Expression - 66K library screen (AID 645)
- Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738)
- High Throughput Screen to Identify Compounds that Suppress the Growth of Human Colon Tumor Cells Lacking Oncogenic Beta Catenin Expression (AID 818)
- Leishmania major promastigote HTS (AID 1063)
- Cytochrome panel assay with activity outcomes (AID 1851)
- Luminescence Cell-Based Primary HTS to Identify Transcriptional Activators of Hypoxia-Inducible Factor Pathway (AID 1910)
- Luminescence Cell-Based Primary HTS to Identify Inhibitors of A1 Apoptosis. (AID 2462)
- Luminescent Cell-Based Dose Titration Retest Counterscreen to Identify Proteasome Inhibitors (AID 2486)
- VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546)
- qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)
- HTS for small molecule inhibitors of CHOP to regulate the unfolded protein response to ER stress (AID 2732)
- Luminescence Cell-Based Secondary Screen to Identify Inhibitors of A1(alternate construct) (AID 449757)
- Luminescence Cell-Based Counterscreen to Identify Inhibitors of A1 Apoptosis (non-primed) (AID 449761)
- uHTS identification of small molecule inhibitors of tim10 yeast via a luminescent assay (AID 463195)
- uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346)
- MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Inhibitor_SinglePoint_HTS_Activity (AID 488899)
- Single concentration confirmation of uHTS for Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 489028)
- Heat Shock Factor-1 (HSF-1) Measured in Cell-Based System Using Plate Reader - 2038-01_Activator_SinglePoint_HTS_Activity (AID 504408)
- CHOP Confirmatory Screen (AID 504437)
- HTS for Beta-2AR agonists via FAP method (AID 504454)
- Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Brca1/Bard1 BiLC Counterscreen assay. (AID 504668)
- HTS for Beta-2AR agonists via FAP method, Single Point, Cherry Pick 1 (AID 540358)
- HTS Assay for Peg3 Promoter Inhibitors (AID 588405)
- qHTS Assay for Inhibitors of Mammalian Selenoprotein Thioredoxin Reductase 1 (TrxR1): qHTS (AID 588453)
- Dose response for HTS for Beta-2AR agonists via FAP method from CP1 (AID 588763)
- uHTS identification of cystic fibrosis induced NFkb Inhibitors in a fluoresence assay (AID 588850)
- uHTS determination of small molecule cytotoxicity in a fluorescence assay to identify cystic fibrosis induced NFkb Inhibitors (AID 602141)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in SW480 colon adenocarcinoma cells. (AID 624297)
- uHTS identification of HIF-2a Inhibitors in a luminesence assay (AID 624352)
- uHTS identification of small molecule Triacylglycerol inhbitors in a fluoresence assay (AID 651582)
- Single concentration confirmation of small molecule Triacylglycerol inhbitors in a fluoresence assay (AID 651629)
- Dose Response confirmation of small molecule Triacylglycerol inhbitors in a panel assay (AID 651630)
- qHTS for Inhibitors of ATXN expression (AID 651635)
- qHTS of D3 Dopamine Receptor Antagonist: qHTS (AID 652054)
- qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-NT fibrosarcoma cell line (AID 686970)
- qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-IDH1KD cell line (AID 686971)
- 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)
- High Throughput Screening for Foot and Mouth Disease Virus Antivirals (AID 1159524)

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)

0.48 ± 0.07

Treatment	Score
CCND1.WT.1	0.55
CCND1.WT.2	0.49
E2F1.WT	0.42

NA

Total number of assays tested in: 751.

BRD-K70412800-001-01-7
PubChem CID : 54619125

0.87 (in 4 replicates)

-0.67 ± 0.07

Treatment	Score
CCND1.WT.1	-0.69
CCND1.WT.2	-0.73
E2F1.WT	-0.59

0.557 ± 0.328

Treatment	Score
CCND1.WT.1	0.798
CCND1.WT.2	0.690
E2F1.WT	0.183

Total number of assays tested in: 37.

BRD-K49119404-001-05-7
MLS000756481
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ZINC00401809
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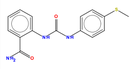
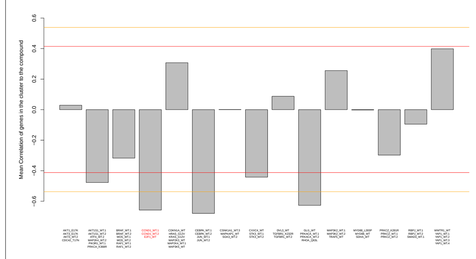


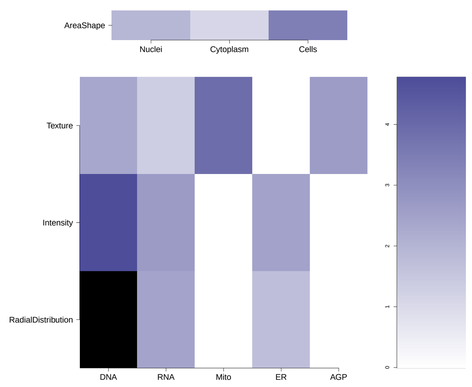
NA (in 1 replicates)

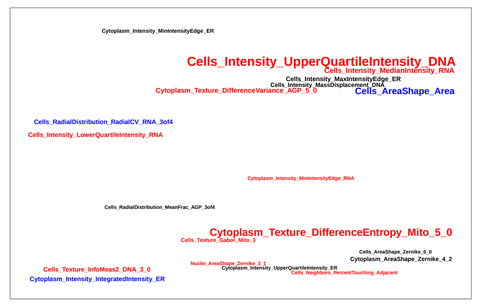
-0.66 ± 0.05

Treatment	Score
CCND1.WT.1	-0.61
CCND1.WT.2	-0.69
E2F1.WT	-0.67

NA



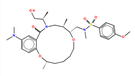




Total number of assays tested in: 568. Active in the following assays:

- 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)
- uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 7 (SENP7) (AID 434973)
- qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)

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



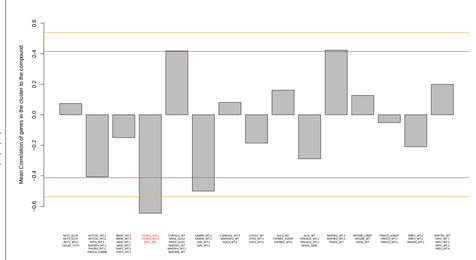
0.92 (in 4 replicates)

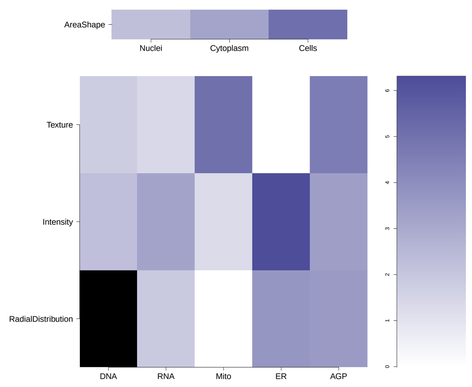
-0.65 ± 0.09

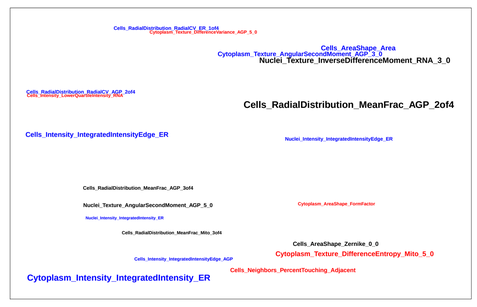
Treatment	Score
CCND1.WT.1	-0.67
CCND1.WT.2	-0.72
E2F1.WT	-0.54

0.174 ± 0.087

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

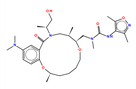






Total number of assays tested in: 40.

BRD-K36176998-001-01-3
PubChem CID : 44486403



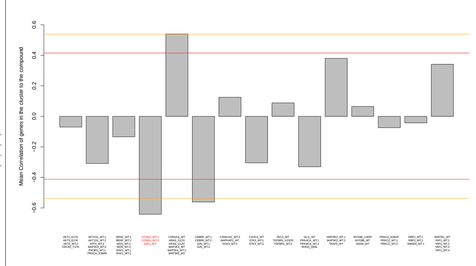
0.89 (in 4 replicates)

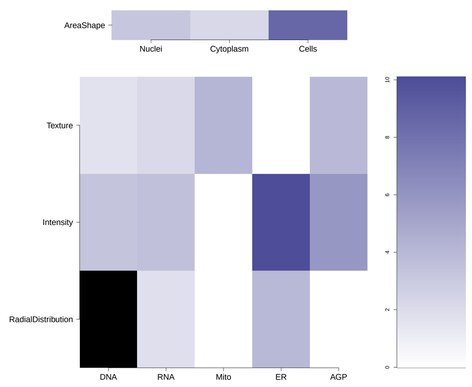
-0.64 ± 0.06

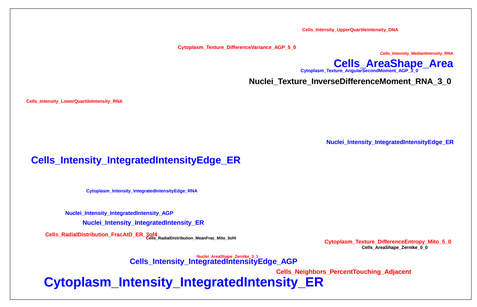
Treatment	Score
CCND1.WT.1	-0.64
CCND1.WT.2	-0.71
E2F1.WT	-0.60

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.

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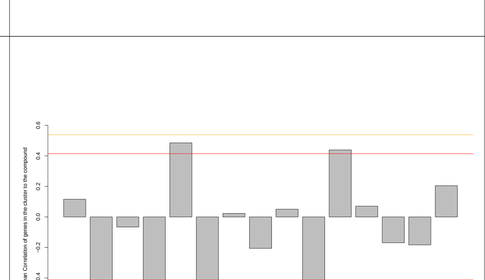
ZINC815361
STK961361
CCG-117641
BAS 09530694
ST50718758
PubChem CID : 1094029

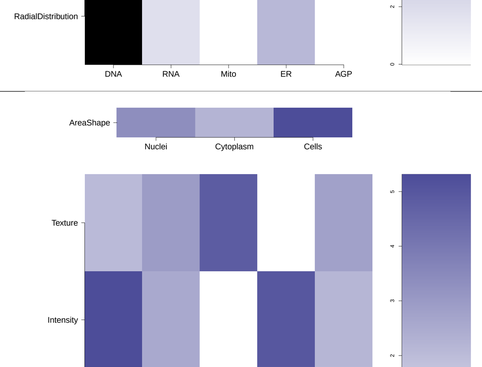
NA (in 1 replicates)

-0.64 ± 0.10

Treatment	Score
CCND1.WT.1	-0.54
CCND1.WT.2	-0.74
E2F1.WT	-0.63

NA





Total number of assays tested in: 783.

BRD-K34942615-001-01-3
PubChem CID : 54619217

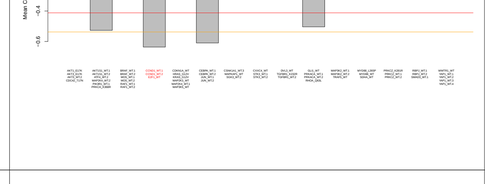
0.87 (in 4 replicates)

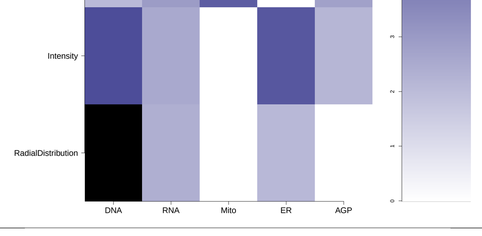
-0.63 ± 0.05

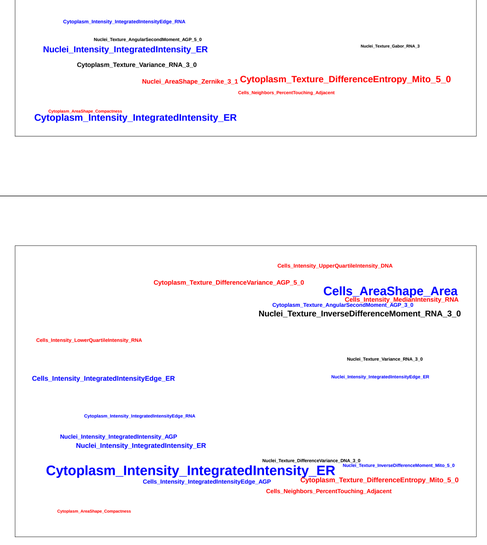
Treatment	Score
CCND1.WT.1	-0.64
CCND1.WT.2	-0.68
E2F1.WT	-0.58

0.500 ± 0.283

Treatment	Score
CCND1.WT.1	0.418
CCND1.WT.2	0.815
E2F1.WT	0.267

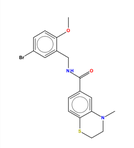






Total number of assays tested in: 38.

BRD-K20777727-001-06-3
MLS001110838
HMS2237I24
HMS3368L02
ZINC6750882
SMR000624653
PubChem CID : 20886483

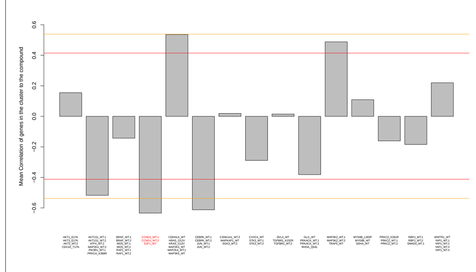


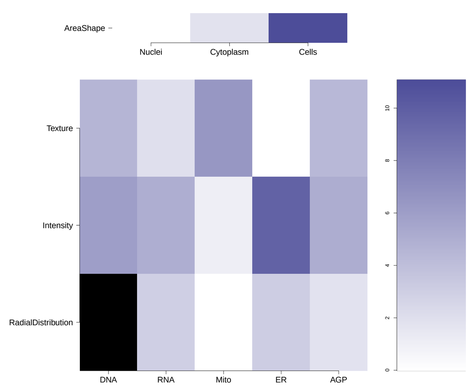
NA (in 1 replicates)

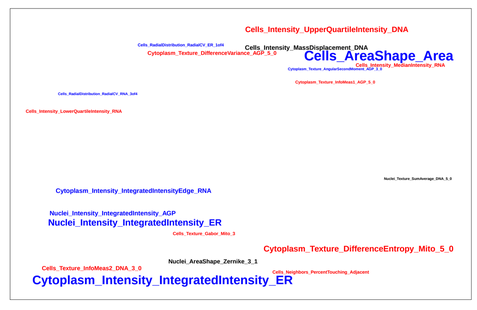
-0.63 ± 0.08

Treatment	Score
CCND1.WT.1	-0.55
CCND1.WT.2	-0.70
E2F1.WT	-0.66

NA



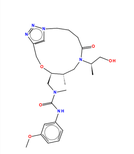




Total number of assays tested in: 497. Active in the following assays:

- MLPCN Platelet Activation -Dense Granule Release (AID 1663)
- Primary cell-based high-throughput screening assay for identification of compounds that inhibit KCNQ2 potassium channels (AID 2156)
- Luminescence-based primary cell-based high throughput screening assay to identify activators of the Aryl Hydrocarbon Receptor (AHR) (AID 2796)
- FRET-based cell-based primary high throughput screening assay to identify antagonists of the orexin 1 receptor (OX1R; HCRTR1) (AID 485270)
- Fluorescence-based biochemical primary high throughput screening assay to identify inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 588726)
- Primary cell-based screen for identification of compounds that inhibit the two-pore domain potassium channel KCNK3 (AID 602410)
- Fluorescence-based biochemical high throughput confirmation assay for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 651616)
- Confirmation assay for identification of compounds that inhibit the two-pore domain potassium channel KCNK3 [Primary Screening] (AID 651638)
- 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 human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
- TRFRET-based cell-based primary high throughput screening assay to identify inhibitors of cell surface Prion Protein (PRPC) (AID 720596)
- TRFRET-based cell-based high throughput confirmation assay to identify inhibitors of cell surface Prion Protein (PRPC) (AID 743200)

BRD-K80711156-001-02-8
MLS003129217
SMR001833663
PubChem CID : 44505852



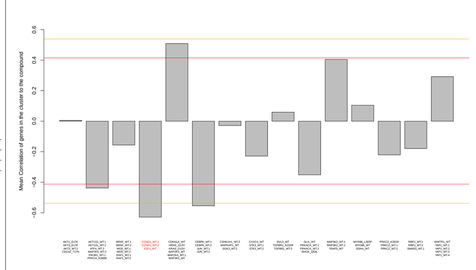
0.93 (in 3 replicates)

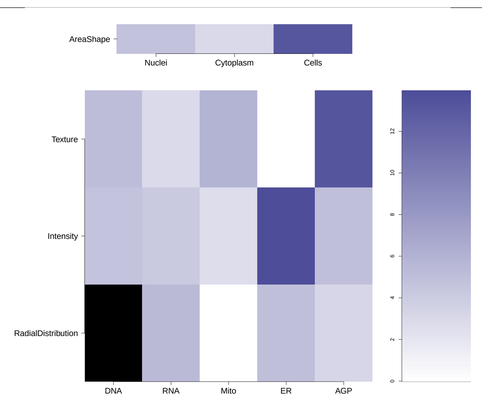
-0.63 ± 0.07

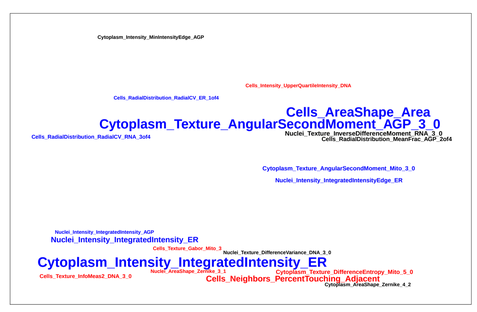
Treatment	Score
CCND1.WT.1	-0.61
CCND1.WT.2	-0.71
E2F1.WT	-0.57

0.716 ± 0.281

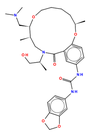
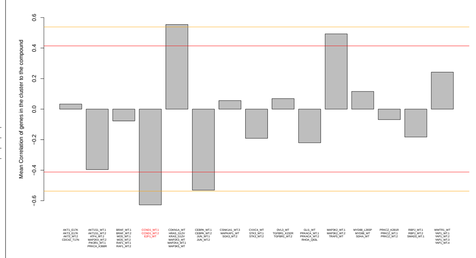
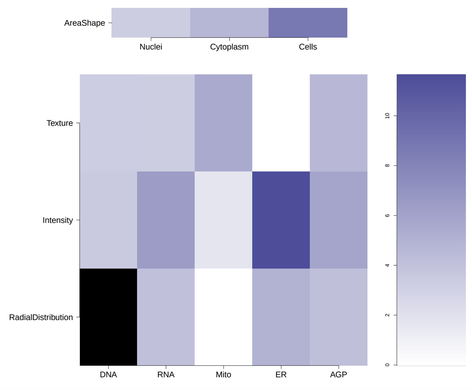
Treatment	Score
CCND1.WT.1	0.844
CCND1.WT.2	0.394
E2F1.WT	0.911







Total number of assays tested in: 77.

BRD-K90061492-001-01-1 PubChem CID : 44483968		0.90 (in 3 replicates)	-0.63 ± 0.08 Treatment | Score CCND1.WT.1 | -0.60 CCND1.WT.2 | -0.71 E2F1.WT | -0.57	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-K53978514-001-01-5 PubChem CID : 54619300		0.89 (in 4 replicates)	-0.62 ± 0.06 Treatment | Score CCND1.WT.1 | -0.61 CCND1.WT.2 | -0.70 E2F1.WT | -0.57	0.261 ± 0.046 Treatment | Score CCND1.WT.1 | 0.314 CCND1.WT.2 | 0.241 E2F1.WT | 0.229				Total number of assays tested in: 39.