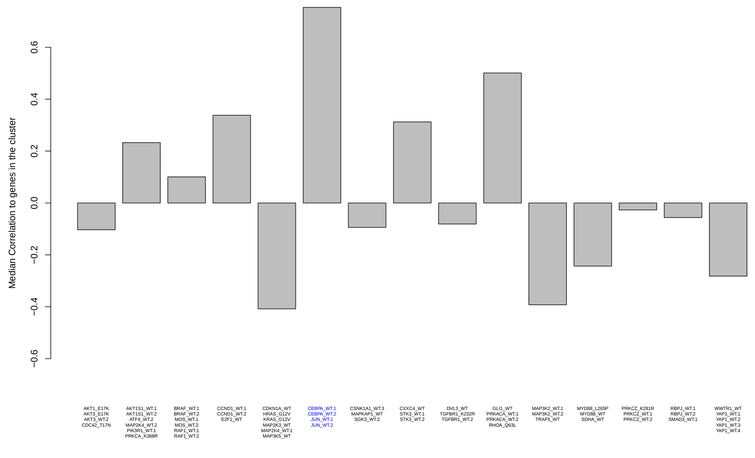
Genes in the cluster along with the pathways as annotated by experts

	Expert Annotation	
Treatment	Pathway	Regulation Type
JUN_WT.1	Canonical MAPK	Activator
JUN_WT.2	Canonical MAPK	Activator
CEBPA_WT.1	Transcription Factors	Activator
CEBPA_WT.2	Transcription Factors	Activator

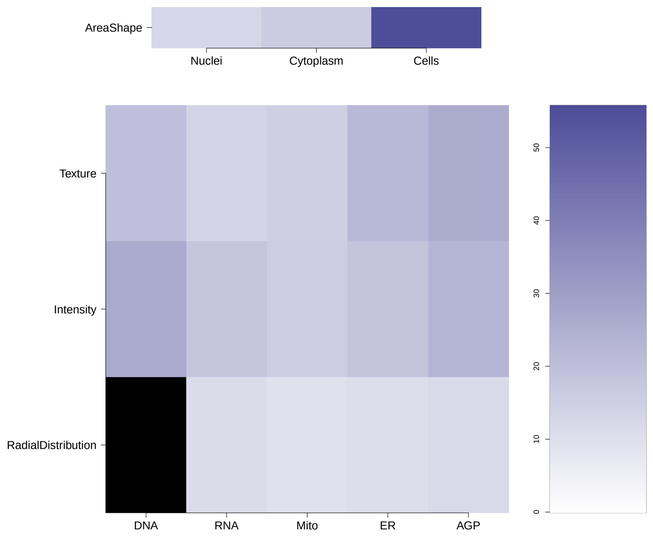
How similar is this cluster to the other clusters?



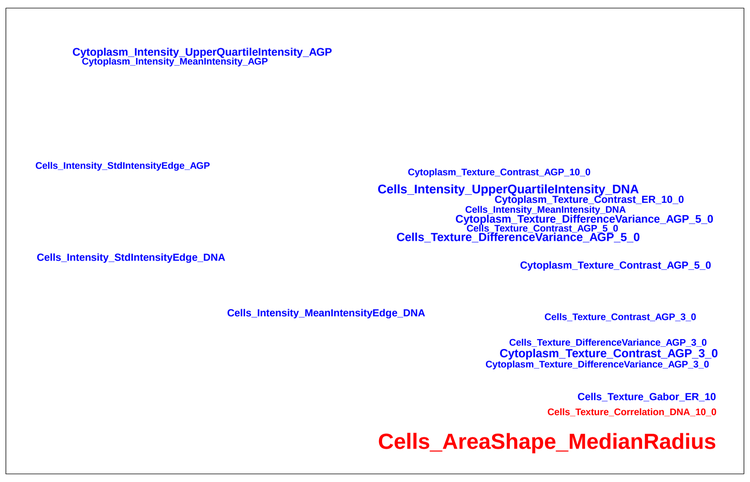
Top 5 genes negatively correlated to the cluster

	Expert Annotation			
Treatment	Pathway	Regulation Type	Mean Correlation	Standard Deviation
AKT1_WT.1	Canonical PI3K/AKT	Activator	-0.59	0.03
PKIA_WT	PKA	Inhibitor	-0.48	0.12
CDKN1A_WT	Canonical Cell Cycle	Inhibitor	-0.46	0.07
RPS6KB1_WT.1	Canonical TOR	Activator	-0.46	0.09
YAP1_WT.1	Canonical Hippo	Inhibitor	-0.44	0.05

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?

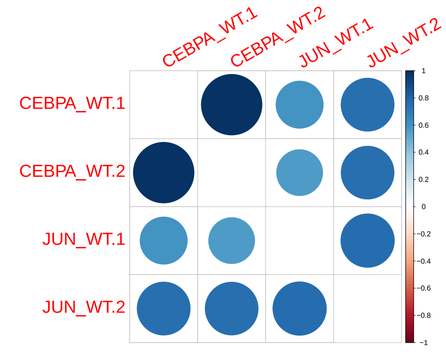
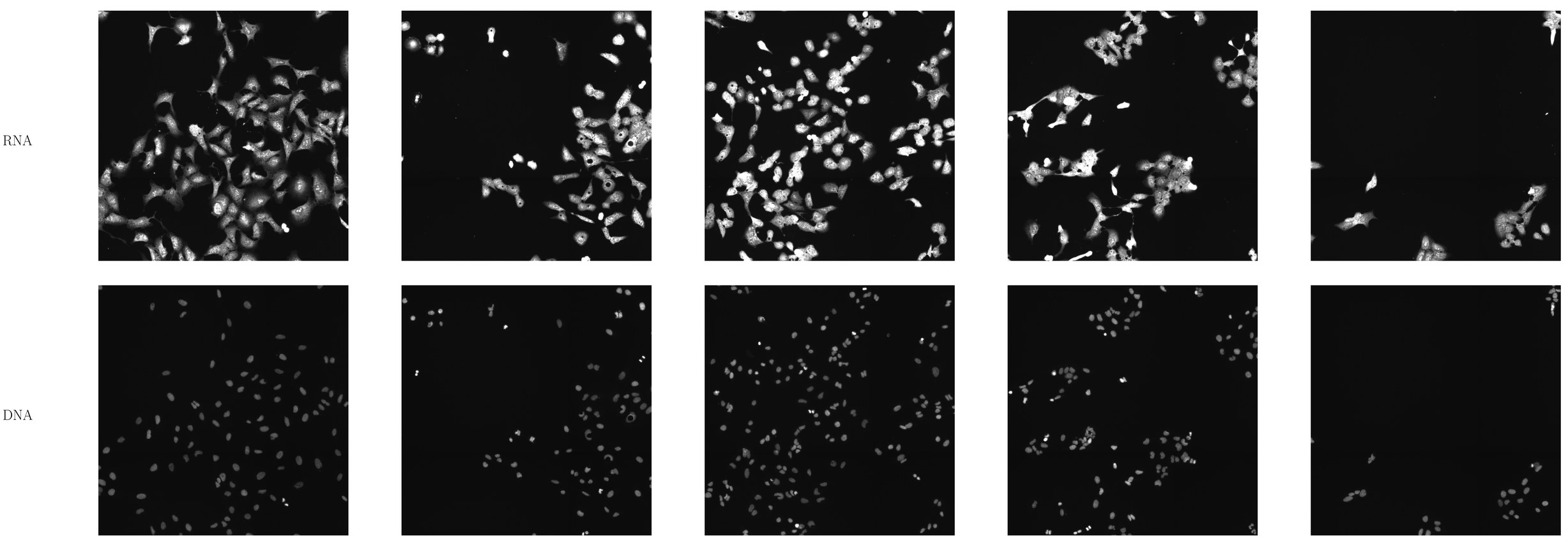
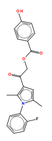


Plate : 41744 - Genes in the Cluster (Channels are sorted based on their dominance in the grid plot)



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

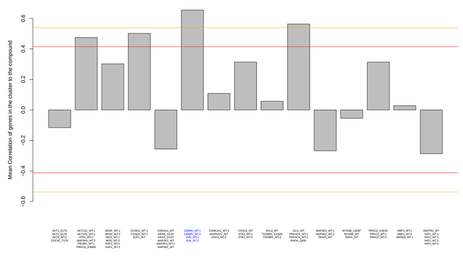


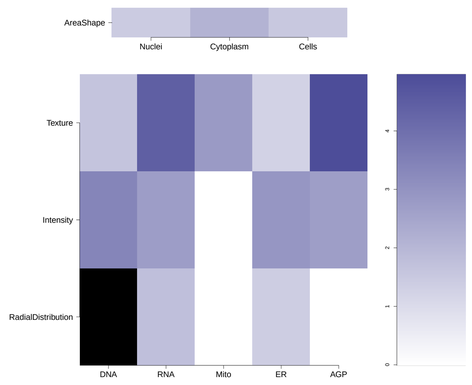
NA (in 1 replicates)

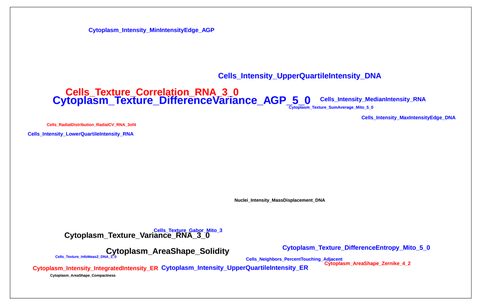
0.65 ± 0.03

Treatment	Score
CEBPA_WT.1	0.68
CEBPA_WT.2	0.68
JUN_WT.1	0.61
JUN_WT.2	0.65

NA



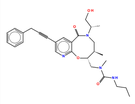




Total number of assays tested in: 624. Active in the following assays:

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



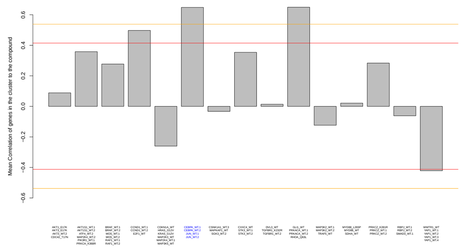
0.85 (in 4 replicates)

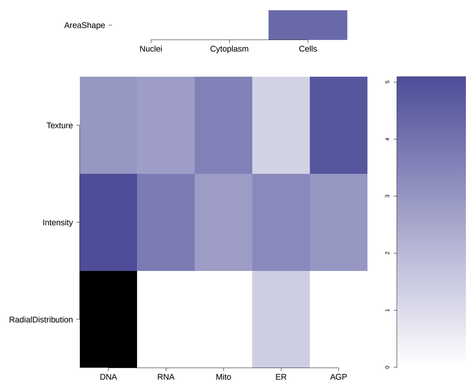
0.65 ± 0.02

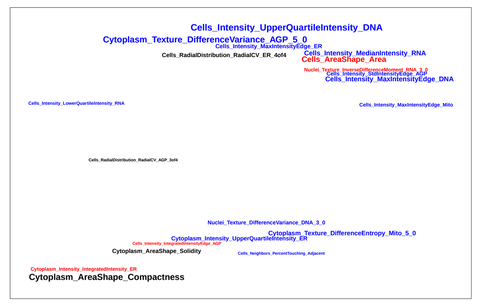
Treatment	Score
CEBPA_WT.1	0.64
CEBPA_WT.2	0.64
JUN_WT.1	0.64
JUN_WT.2	0.68

0.085 ± 0.058

Treatment	Score
CEBPA_WT.1	0.031
CEBPA_WT.2	0.054
JUN_WT.1	0.090
JUN_WT.2	0.165







Total number of assays tested in: 37.

BRD-K28901743-001-05-3
ZINC01748812
AC1LTAWC
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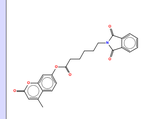
ZINC1748812
CCG-15676
STL331422
BAS 00558059
SMR000175471
ST50181975
PubChem CID : 1555494

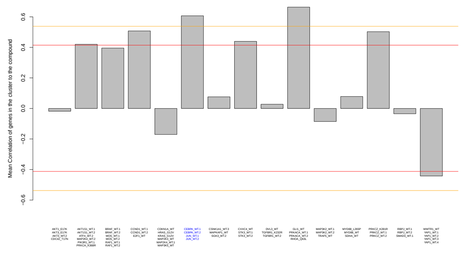


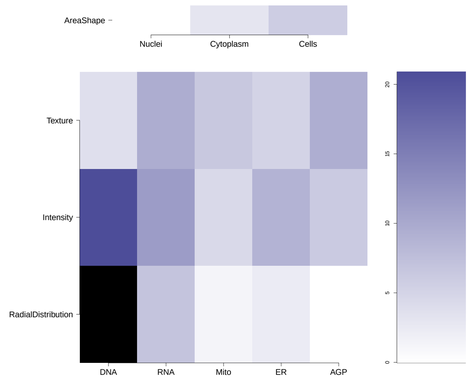
NA (in 1 replicates)

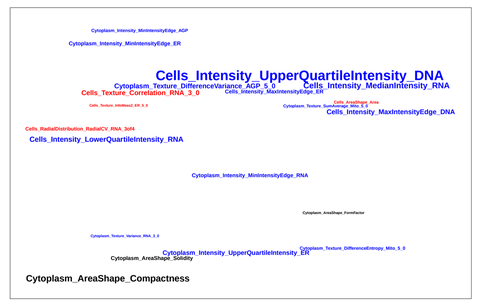
0.61 ± 0.04

Treatment	Score
CEBPA_WT.1	0.57
CEBPA_WT.2	0.58
JUN_WT.1	0.64
JUN_WT.2	0.63

NA



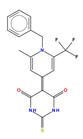




Total number of assays tested in: 631. Active in the following assays:

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

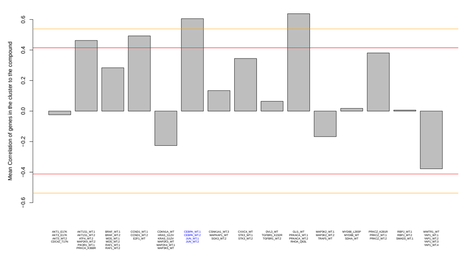


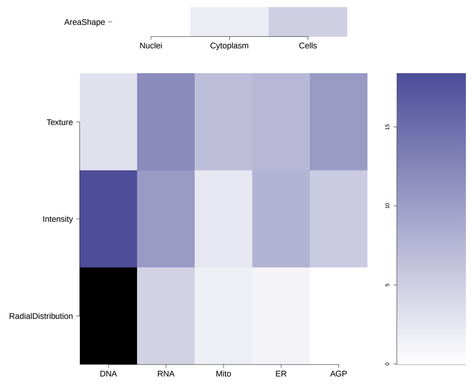
NA (in 1 replicates)

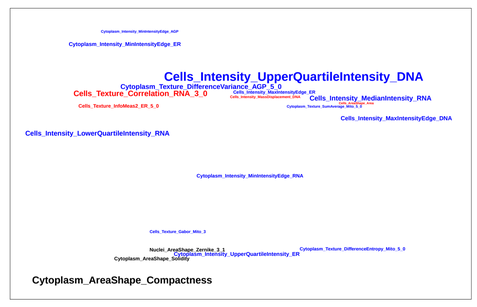
0.61 ± 0.01

Treatment	Score
CEBPA_WT.1	0.60
CEBPA_WT.2	0.61
JUN_WT.1	0.60
JUN_WT.2	0.62

NA



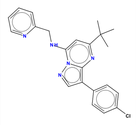




Total number of assays tested in: 626. Active in the following assays:

- 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-K27496085-001-06-9
MLS000762893
SMR000439717
AC1LXW72
BDBM58089
HMS2785I13
HMS3469C13
ZINC8657900
STK848802
ZINC08657900
ST50782147
T6363733
F3348-0380
PubChem CID : 1838594

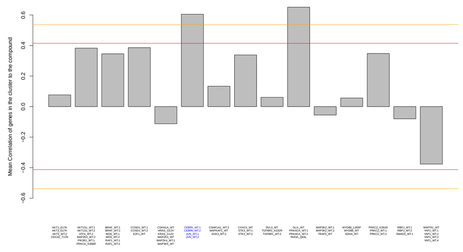


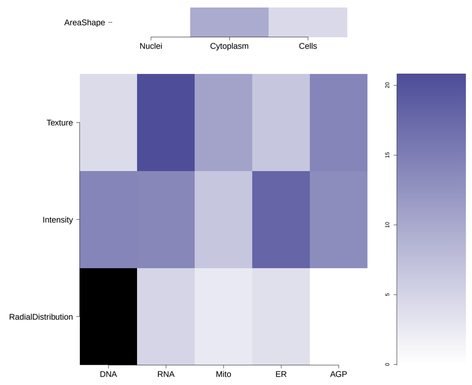
NA (in 1 replicates)

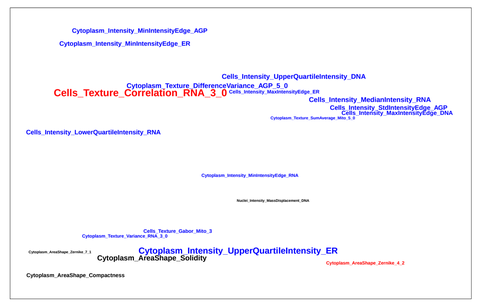
0.61 ± 0.01

Treatment	Score
CEBPA_WT.1	0.59
CEBPA_WT.2	0.60
JUN_WT.1	0.62
JUN_WT.2	0.61

NA







Total number of assays tested in: 569. Active in the following assays:

- HTS to identify inhibitors of zVAD Induced Cell Death in L929 Cells. (AID 1377)
- High Throughput Screen to Identify Inhibitors of Mycobacterium tuberculosis H37Rv (AID 1626)
- MLPCN Streptokinase Expression Inhibition (AID 1662)
- Luminescence Microorganism-Based Dose Confirmation HTS to Identify Compounds Cytotoxic to SK(-)GAS Group A Streptococcus (AID 1900)
- Luminescence Microorganism-Based Dose Confirmation HTS to Identify Inhibitors of Streptokinase Promotor Activity (AID 1902)
- Luminescence Microorganism-Based Dose Response HTS to Identify Compounds Cytotoxic to Streptococcus (AID 1915)
- qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)
- Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832)
- 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)
- qHTS of TDP-43 Inhibitors (AID 652104)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)

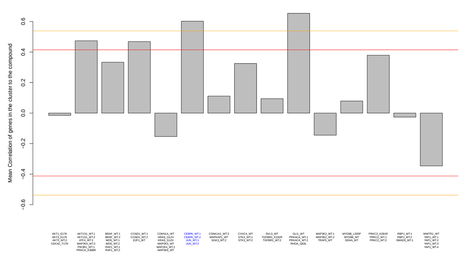
BRD-K20428666-003-06-2
MLS000672046
SMR000293477
AC1MHCD3
PubChem CID : 2949708

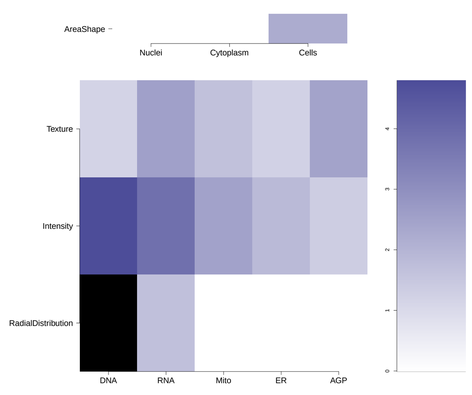
NA (in 1 replicates)

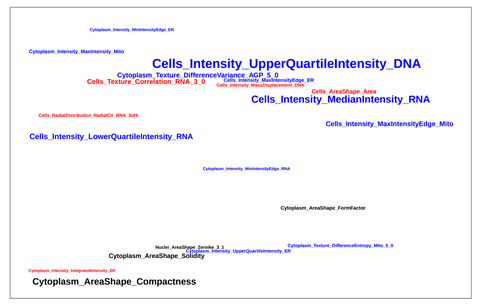
0.60 ± 0.02

Treatment	Score
CEBPA_WT.1	0.62
CEBPA_WT.2	0.61
JUN_WT.1	0.58
JUN_WT.2	0.60

NA



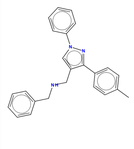




Total number of assays tested in: 616. Active in the following assays:

- qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)
- Leishmania major promastigote HTS (AID 1063)
- qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490)
- Multiplex HTS Assay for Inhibitors of MEK Kinase PB1 Domains, specifically MEK5 binding to MEK Kinase 2 Wildtype (AID 1531)
- Fluorescence-based primary cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1861)
- Luminescence Cell-Based/Microorganism Primary HTS to Identify Inhibitors of T.Cruzi Replication (AID 1885)
- High Throughput Screen of 100,000 compound library to Identify Inhibitors of Mycobacterium tuberculosis H37Rv (AID 1949)
- Fluorescence-based confirmation cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1952)
- Fluorescence-based counterscreen for antagonists of the G-protein coupled receptor 7 (GPR7): cell-based high throughput screening assay to identify antagonists of the melanin-concentrating hormone receptor 1 (MCHR1). (AID 2148)
- VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546)
- HTS Assay for Allosteric Antagonists of the Human D2 Dopamine Receptor: Primary Screen for Antagonists (AID 485344)
- Luminescence-based cell-based primary high throughput screening assay to identify biased ligands of the melanocortin 4 receptor (MC4R): agonists of MC4R (AID 540308)
- HTS Assay for Peg3 Promoter Inhibitors (AID 588405)
- uHTS identification of small molecule inhibitors of the mitochondrial permeability transition pore via an absorbance assay (AID 602449)
- Dose response confirmation of uHTS inhibitor hits of the mitochondrial permeability transition pore via an absorbance assay (AID 651561)
- Dose response confirmation of uHTS inhibitor hits of the mitochondrial permeability transition pore via a fluorescent based counterscreen assay (AID 651564)
- Flow Cytometric HTS Screening for Inhibitors of Lytic Granule Exocytosis with MLPCN Compound Library (AID 651702)
- qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
- Flow Cytometric HTS Screening for Inhibitors of Lytic Granule Exocytosis with compounds from Cherry Pick01 (AID 651954)
- 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)

BRD-K09579906-001-05-3
ST022991
AC1OAMRH
MLS000765897
HMS1398C03
ZINC15986547
BAS 00921730
SMR000279003
T0504-7282
PubChem CID : 6861738



NA (in 1 replicates)

0.60 ± 0.05

Treatment	Score
CEBPA_WT.1	0.64
CEBPA_WT.2	0.63
JUN_WT.1	0.53
JUN_WT.2	0.60

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-A08917095-001-05-9
SMR000118767
MLS000121336
AC1MKVL1
MLS002534485
HMS2327D07
ASN 05560082
PubChem CID : 3210440

NA (in 1 replicates)

0.58 ± 0.03

Treatment	Score
CEBPA_WT.1	0.61
CEBPA_WT.2	0.60
JUN_WT.1	0.56
JUN_WT.2	0.56

NA

Total number of assays tested in: 678. Active in the following assays:

- HCS for Compounds that Down-Regulate Insulin Promoter Activity in MIN6 Cells (AID 1628)
- Phenotypic HTS multiplex for antifungal efflux pump inhibitors (AID 485275)
- Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832)

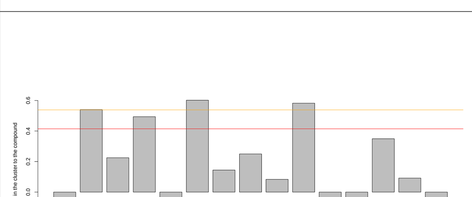
BRD-K87091170-001-06-1
ST51029427
AC1MEUID
MLS000662650
HMS2723M17
STK144293
ZINC13497441
SMR000270103
PubChem CID : 2909240

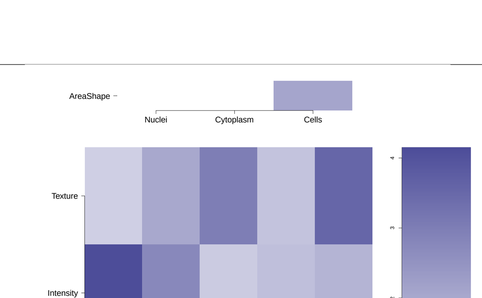
NA (in 1 replicates)

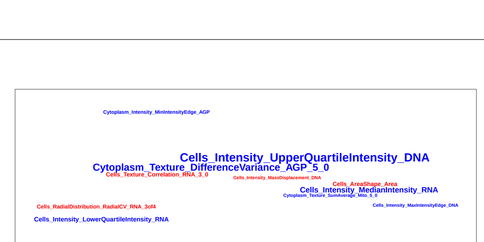
0.58 ± 0.02

Treatment	Score
CEBPA_WT.1	0.60
CEBPA_WT.2	0.59
JUN_WT.1	0.57
JUN_WT.2	0.56

NA



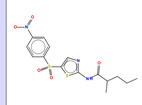




Total number of assays tested in: 633. Active in the following assays:

- 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-A61437901-001-06-4
AC1MELUG
MLS001034555
HMS2964O04
STK056804
SMR000664698
ST50589848
PubChem CID : 2905407

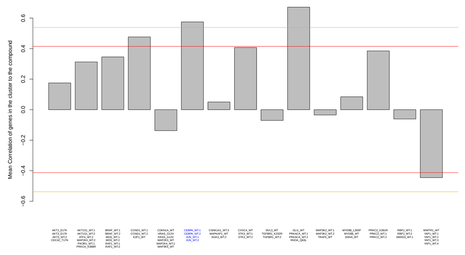


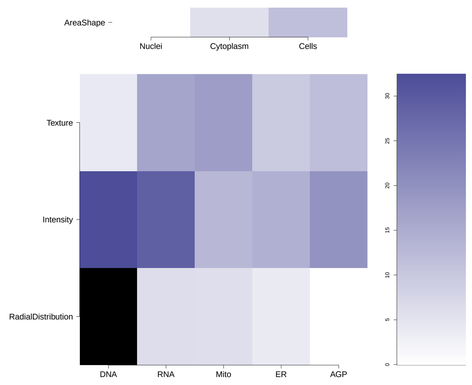
0.92 (in 2 replicates)

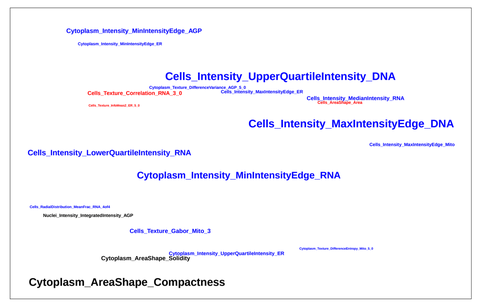
0.57 ± 0.03

Treatment	Score
CEBPA.WT.1	0.55
CEBPA.WT.2	0.55
JUN.WT.1	0.60
JUN.WT.2	0.60

NA



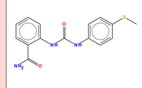




Total number of assays tested in: 505. Active in the following assays:

- Fluorescence-based primary cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1861)
- Luminescence Cell-Based/Microorganism Primary HTS to Identify Inhibitors of T.Cruzi Replication (AID 1885)
- Fluorescence-based confirmation cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1952)
- Luminescence Cell-Based/Microorganism Dose Confirmation HTS to Identify Inhibitors of T.Cruzi Replication. (AID 2044)
- Fluorescence-based counterscreen for antagonists of the G-protein coupled receptor 7 (GPR7): cell-based high throughput screening assay to identify antagonists of the melanin-concentrating hormone receptor 1 (MCHR1). (AID 2148)
- Fluorescence-based primary cell-based high throughput screening assay to identify agonists of the Oxytocin Receptor (OXTR). (AID 2435)
- Counterscreen for Oxytocin Receptor (OXTR) agonists: Fluorescence-based primary cell-based high throughput assay to identify agonists of the vasopressin 1 receptor (V1R) (AID 2797)
- Luminescence-based cell-based primary high throughput screening assay to identify agonists of heterodimerization of the mu 1 (OPRM1) and delta 1 (OPRD1) opioid receptors (AID 504326)
- Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652)
- Allosteric Agonists of the Human D1 Dopamine Receptor: qHTS (AID 504660)
- Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832)
- Fluorescence-based cell-based primary high throughput screening assay to identify agonists of the human cholinergic receptor, muscarinic 1 (CHRM1) (AID 588814)
- Full deck counterscreen for agonists of the human M1 muscarinic receptor (CHRM1): Fluorescence-based cell-based high throughput screening assay to identify nonselective activators and assay artifacts using the parental CHOK1 cell line (AID 602248)
- Fluorescence-based cell-based primary high throughput screening assay to identify agonists of the human cholinergic receptor, muscarinic 5 (CHRM5) (AID 624037)
- Fluorescence-based cell-based primary high throughput screening assay to identify agonists of the human cholinergic receptor, muscarinic 4 (CHRM4) (AID 624127)
- Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human trace amine associated receptor 1 (TAAR1) (AID 624466)
- Fluorescence-based cell-based primary high throughput screening assay to identify agonists of the human trace amine associated receptor 1 (TAAR1) (AID 624467)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
- qHTS for Inhibitors of KCHN2 3.1: Wildtype qHTS (AID 720551)
- qHTS for Inhibitors of KCHN2 3.1: Mutant qHTS (AID 720553)
- qHTS for Stage-Specific Inhibitors of Vaccinia Orthopoxvirus: mCherry Reporter Primary qHTS (AID 720579)

BRD-K49119404-001-05-7
MLS000756481
NSC-205827
NSC205827
AC1L7BH4
HMS2885N04
ZINC401809
ZINC00401809
SMR000528754
PubChem CID : 307712

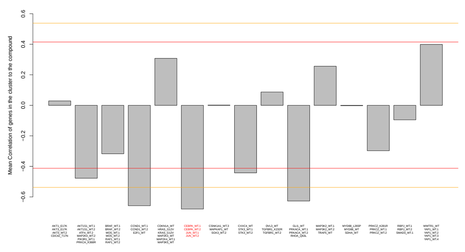


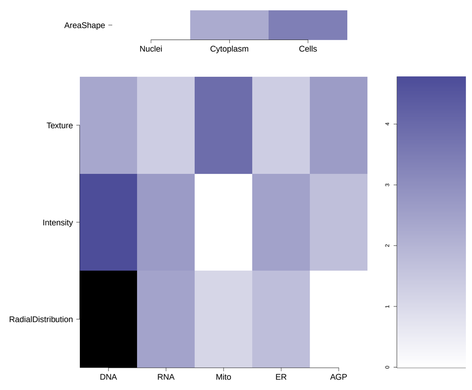
NA (in 1 replicates)

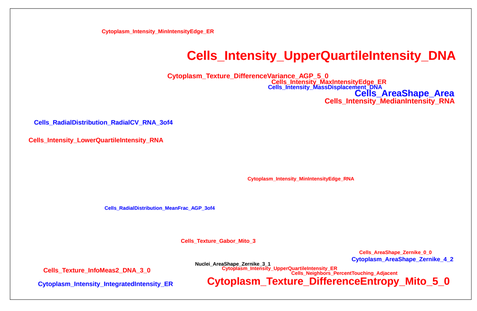
-0.68 ± 0.04

Treatment	Score
CEBPA.WT.1	-0.71
CEBPA.WT.2	-0.71
JUN.WT.1	-0.63
JUN.WT.2	-0.67

NA



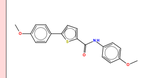




Total number of assays tested in: 568. Active in the following assays:

- 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-K23930887-001-06-1
MLS000764198
7H-306S
SMR000335035
ZINC01396898
AC1LS73A
BDBM69322
HMS2694F10
ZINC1396898
PubChem CID : 1483381

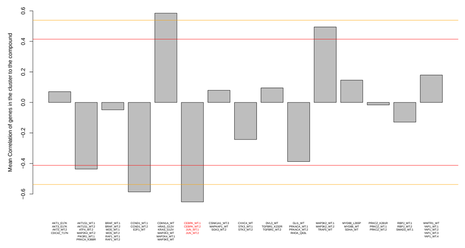


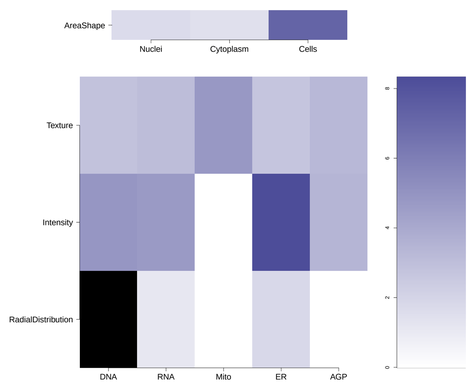
NA (in 1 replicates)

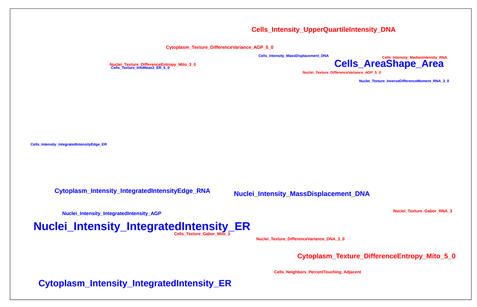
-0.65 ± 0.11

Treatment	Score
CEBPA.WT.1	-0.75
CEBPA.WT.2	-0.73
JUN.WT.1	-0.52
JUN.WT.2	-0.61

NA



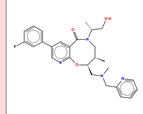




Total number of assays tested in: 630. Active in the following assays:

- qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458)
- A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
- Luminescence-based cell-based primary high throughput screening assay to identify biased ligands of the melanocortin 4 receptor (MC4R): agonists of MC4R (AID 540308)
- HTS to Find Inhibitors of Pathogenic Pemphigus Antibodies (AID 588358)
- Small Molecule Inhibitors of FGF22-Mediated Excitatory Synaptogenesis and Epilepsy Measured in Biochemical System Using RT-PCR - 7012-01_Inhibitor_SinglePoint_HTS_Activity (AID 651658)

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



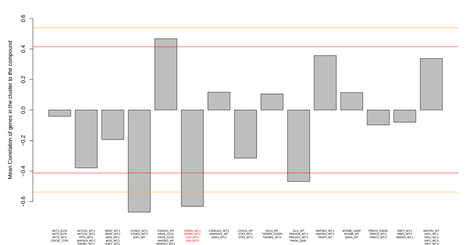
0.87 (in 4 replicates)

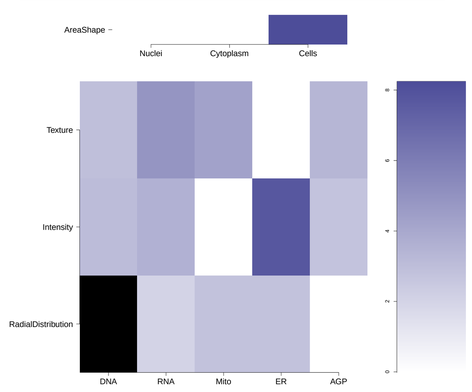
-0.63 ± 0.08

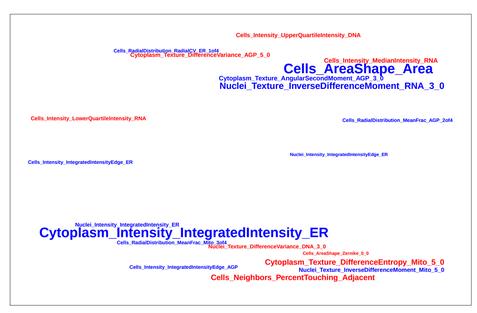
Treatment	Score
CEBPA.WT.1	-0.70
CEBPA.WT.2	-0.67
JUN.WT.1	-0.53
JUN.WT.2	-0.62

0.496 ± 0.222

Treatment	Score
CEBPA.WT.1	0.411
CEBPA.WT.2	0.407
JUN.WT.1	0.825
JUN.WT.2	0.341







Total number of assays tested in: 37.

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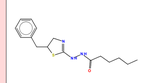
HMS2738D22
SMR000323385
F0762-0511
PubChem CID : 3354871

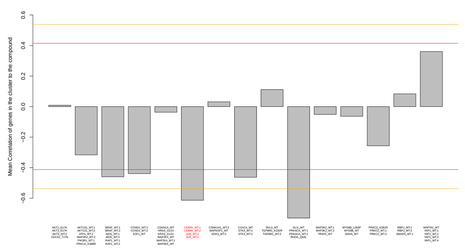


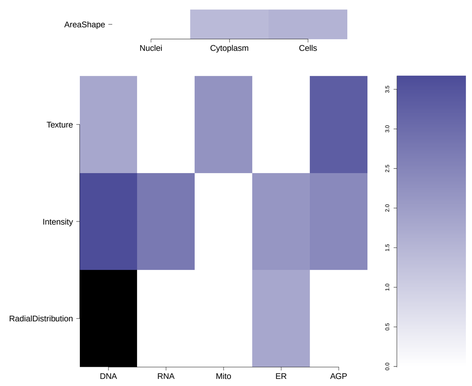
NA (in 1 replicates)

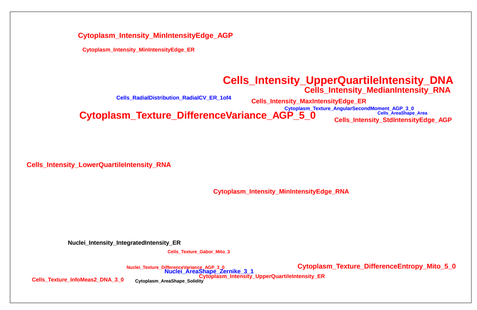
-0.61 ± 0.06

Treatment	Score
CEBPA.WT.1	-0.55
CEBPA.WT.2	-0.58
JUN.WT.1	-0.65
JUN.WT.2	-0.67

NA



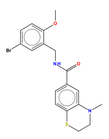




Total number of assays tested in: 622. Active in the following assays:

- Aqueous Solubility from MLSMR Stock Solutions (AID 1996)
- qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)

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

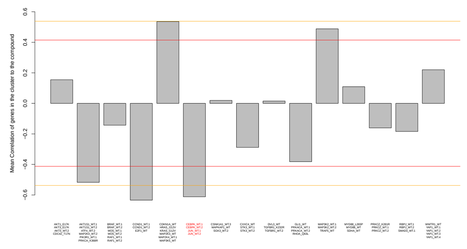


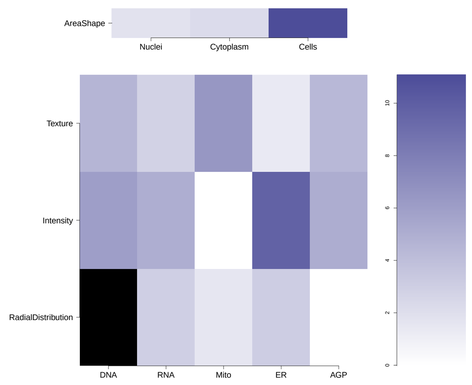
NA (in 1 replicates)

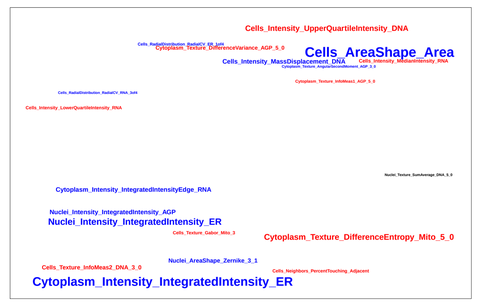
-0.61 ± 0.09

Treatment	Score
CEBPA_WT.1	-0.70
CEBPA_WT.2	-0.68
JUN_WT.1	-0.50
JUN_WT.2	-0.57

NA



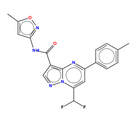




Total number of assays tested in: 497. Active in the following assays:

- 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-K99447049-001-04-5
ZINC00815361
SMR000092393
AC1LM0O9
MLS000115228
MLS001368098
HMS2251O07
ZINC815361
STK961361
CCG-117641
BAS 09530694
ST50718758
PubChem CID : 1094029

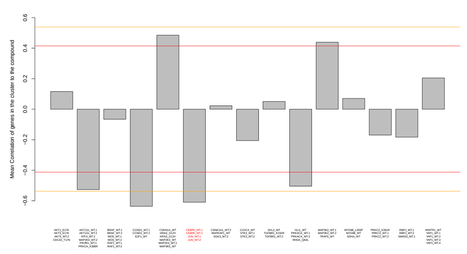


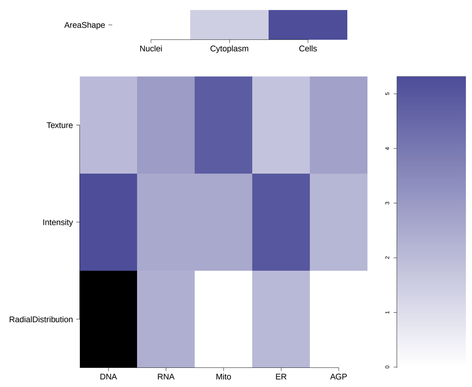
NA (in 1 replicates)

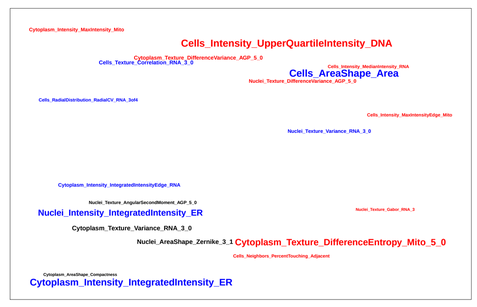
-0.61 ± 0.12

Treatment	Score
CEBPA_WT.1	-0.71
CEBPA_WT.2	-0.70
JUN_WT.1	-0.46
JUN_WT.2	-0.56

NA

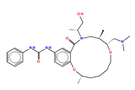






Total number of assays tested in: 783.

BRD-K52500055-001-01-3
PubChem CID : 44483979



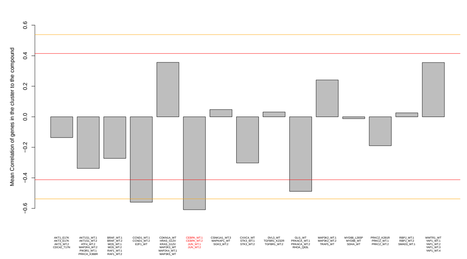
0.78 (in 4 replicates)

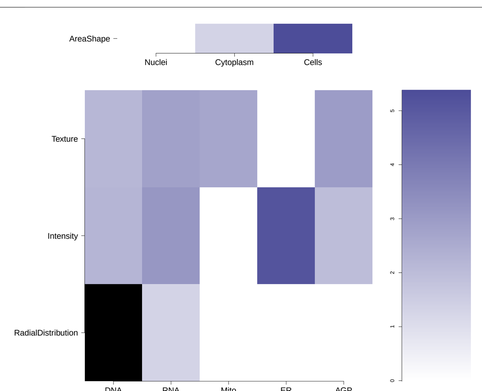
-0.61 ± 0.04

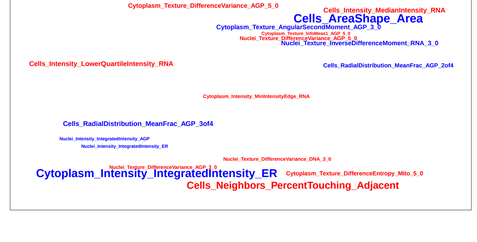
Treatment	Score
CEBPA_WT.1	-0.66
CEBPA_WT.2	-0.63
JUN_WT.1	-0.57
JUN_WT.2	-0.58

0.257 ± 0.107

Treatment	Score
CEBPA_WT.1	0.153
CEBPA_WT.2	0.176
JUN_WT.1	0.356
JUN_WT.2	0.341

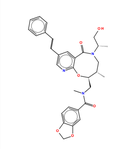






Total number of assays tested in: 45.

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



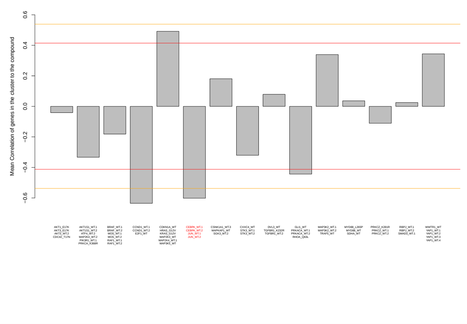
0.87 (in 4 replicates)

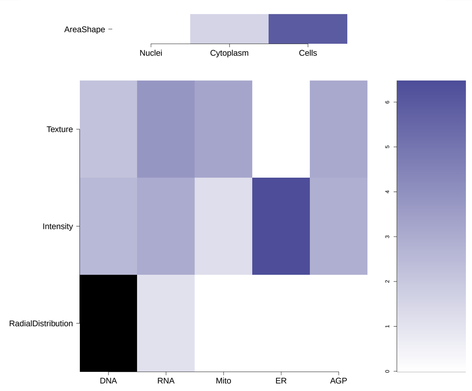
-0.60 ± 0.06

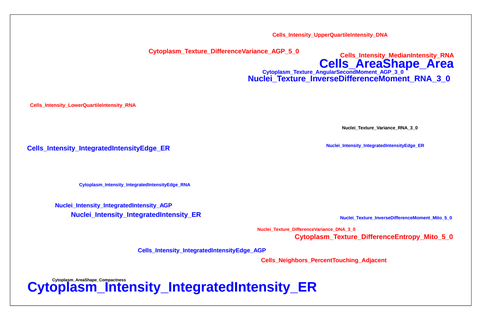
Treatment	Score
CEBPA_WT.1	-0.66
CEBPA_WT.2	-0.63
JUN_WT.1	-0.54
JUN_WT.2	-0.58

0.386 ± 0.046

Treatment	Score
CEBPA_WT.1	0.405
CEBPA_WT.2	0.441
JUN_WT.1	0.356
JUN_WT.2	0.341

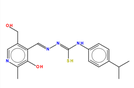






Total number of assays tested in: 38.

BRD-K16845730-001-05-1
AC1O1J1C
MLS000416701
SMR000241729
PubChem CID : 6074706

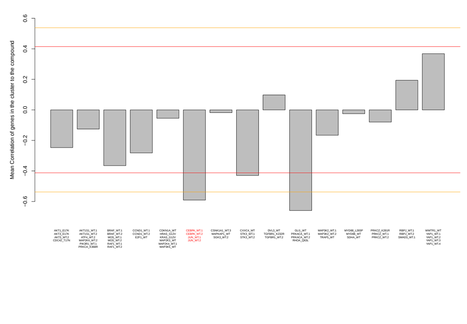


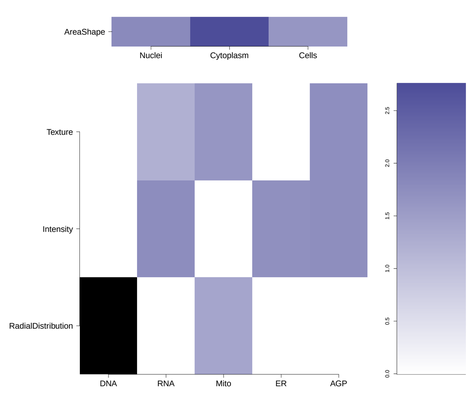
NA (in 1 replicates)

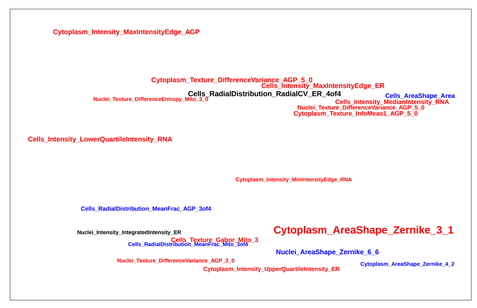
-0.59 ± 0.03

Treatment	Score
CEBPA_WT.1	-0.57
CEBPA_WT.2	-0.57
JUN_WT.1	-0.60
JUN_WT.2	-0.62

NA



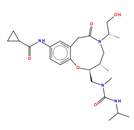




Total number of assays tested in: 564. Active in the following assays:

- qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490)
- 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, 96 hour incubation (AID 504834)
- qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)
- A quantitative high throughput screen for small molecules that induce DNA re-replication in SW480 colon adenocarcinoma cells. (AID 624297)
- Inhibition of the MLL-AF4-AF9 Interaction in Pediatric Leukemia Measured in Biochemical System Using Plate Reader - 2160-01_Inhibitor_SinglePoint_HTS_Activity (AID 651704)
- qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
- Alphascreen Interference Assay Measured in Biochemical System Using Plate Reader - 2160-02_Inhibitor_Dose_CherryPick_Activity (AID 720494)
- Inhibition of the MLL-AF4-AF9 Interaction in Pediatric Leukemia Measured in Biochemical System Using Plate Reader - 2160-01_Inhibitor_Dose_CherryPick_Activity (AID 720495)
- qHTS for Inhibitors of PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720504)
- Fluorescence polarization-based biochemical high throughput primary assay to identify inhibitors of sialic acid acetylesterase (SIAE) (AID 1053197)

BRD-K58585880-001-01-9
PubChem CID : 44492034



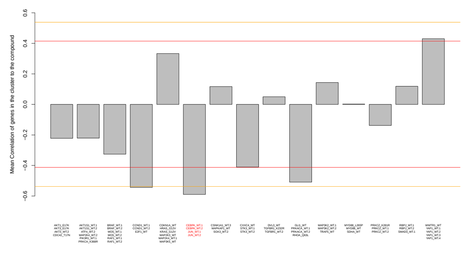
0.87 (in 3 replicates)

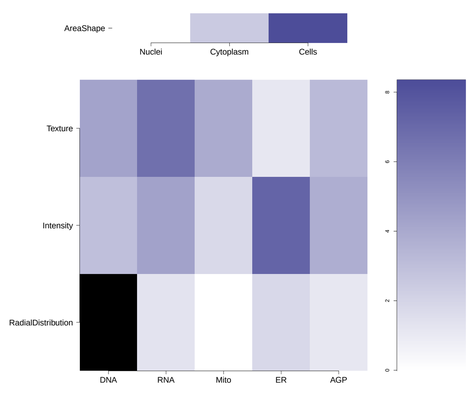
-0.59 ± 0.02

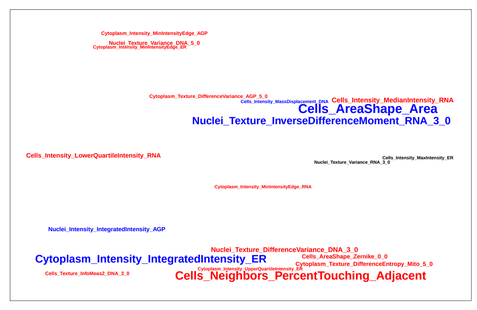
Treatment	Score
CEBPA_WT.1	-0.62
CEBPA_WT.2	-0.60
JUN_WT.1	-0.57
JUN_WT.2	-0.57

0.834 ± 0.105

Treatment	Score
CEBPA_WT.1	0.931
CEBPA_WT.2	0.778
JUN_WT.1	0.715
JUN_WT.2	0.913







Total number of assays tested in: 52.