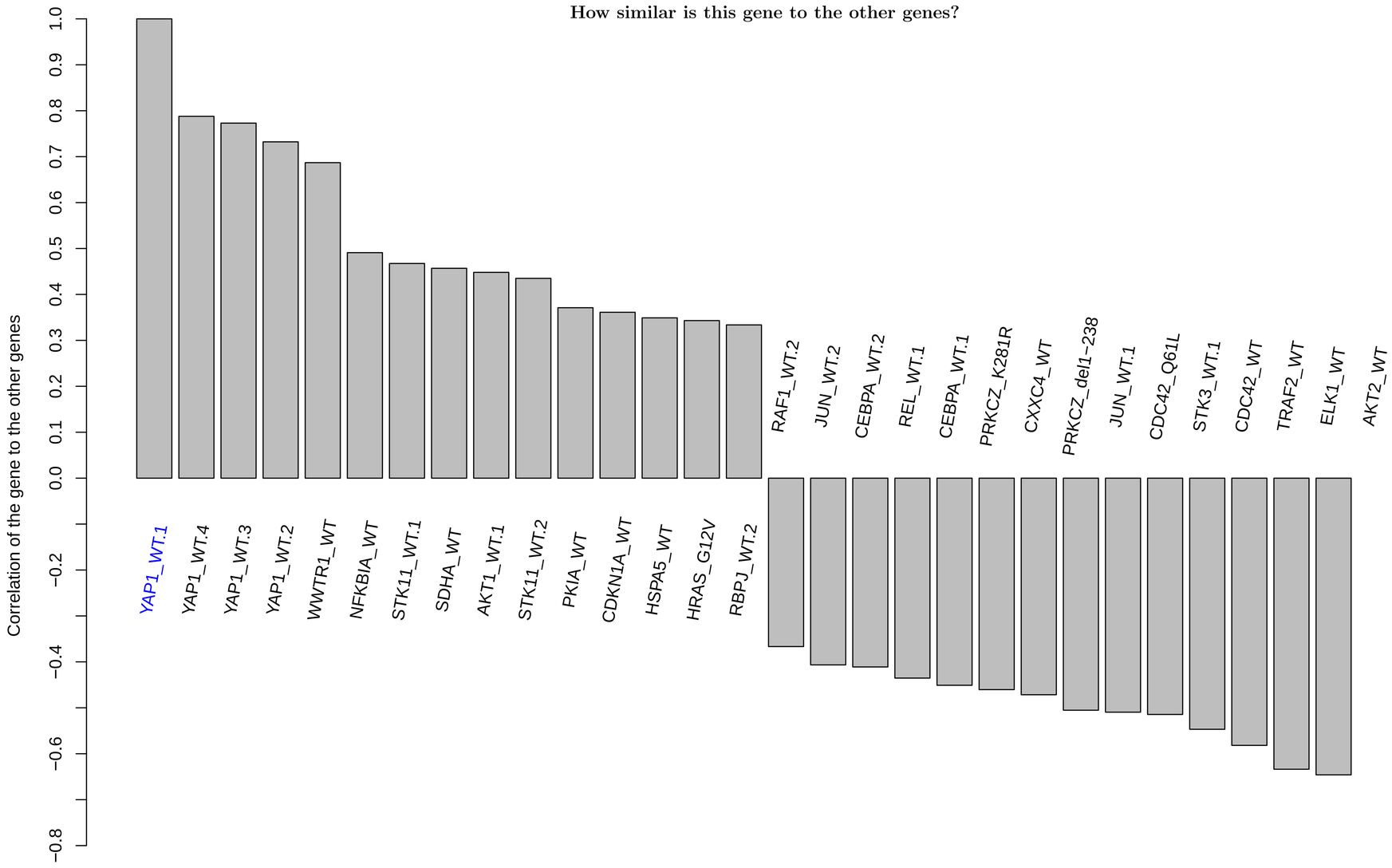
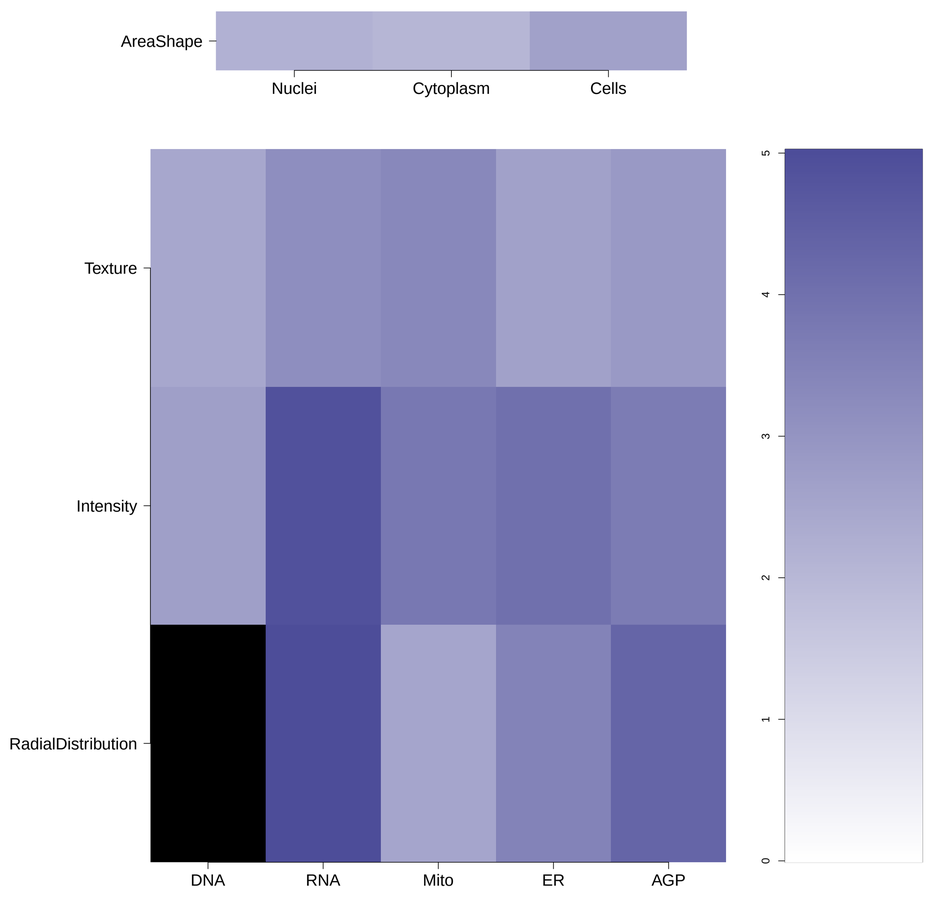
YAP1_WT.1 - in Canonical Hippo

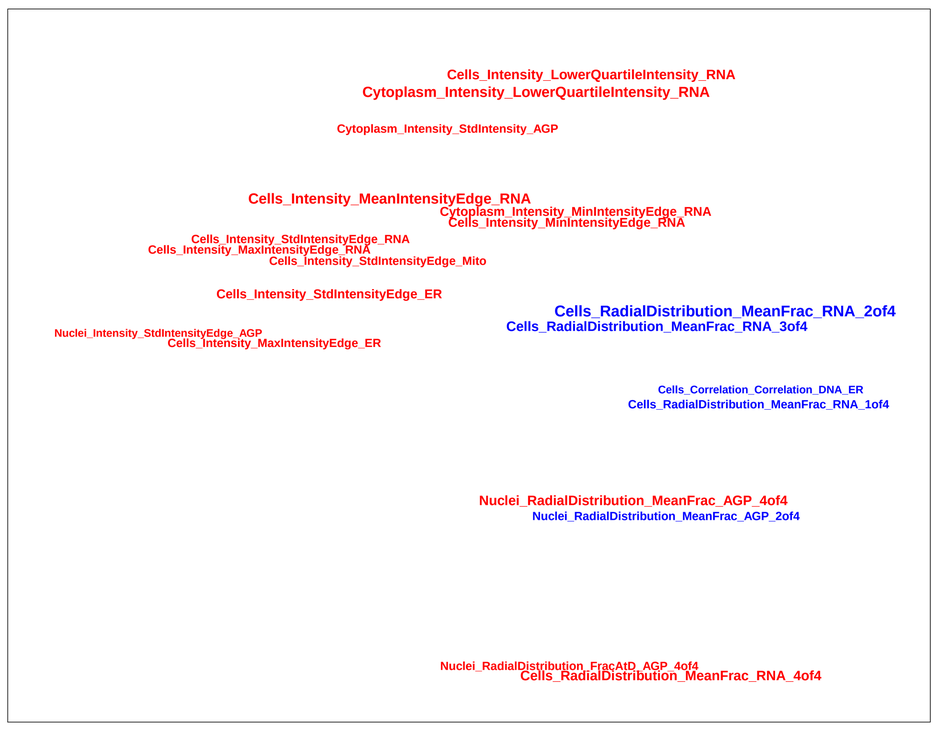
How similar is this gene to the other genes?

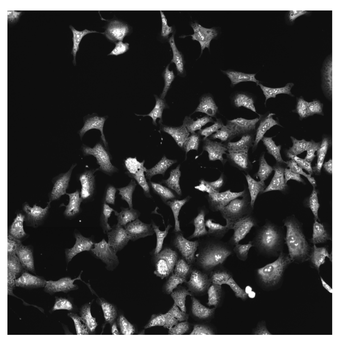
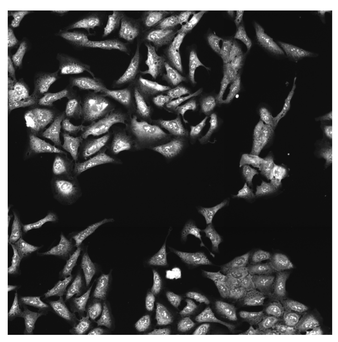
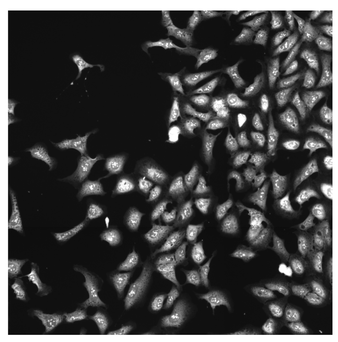
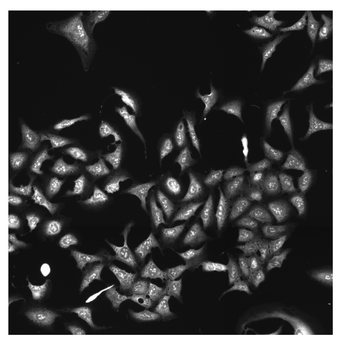
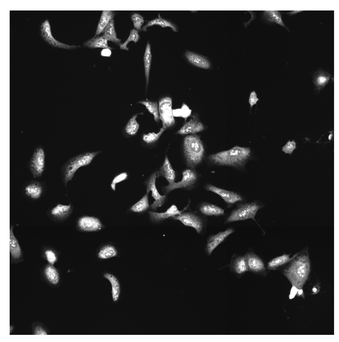
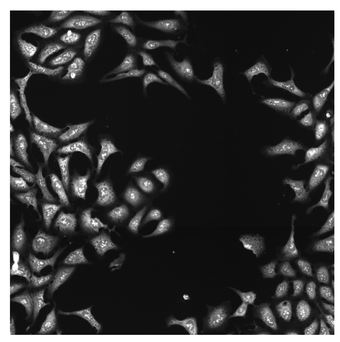
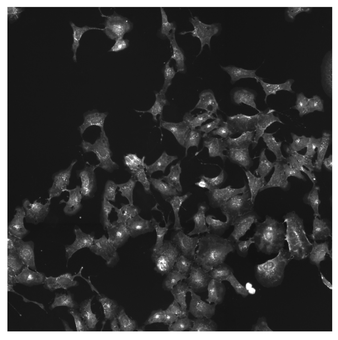
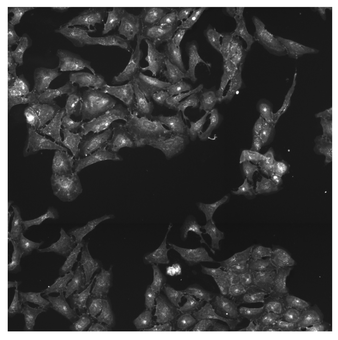
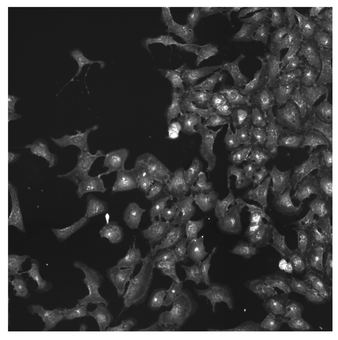
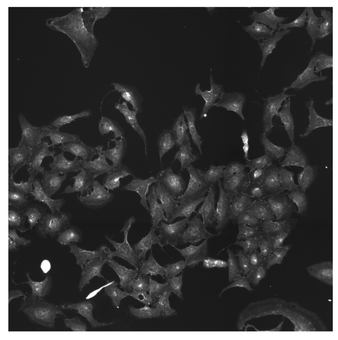
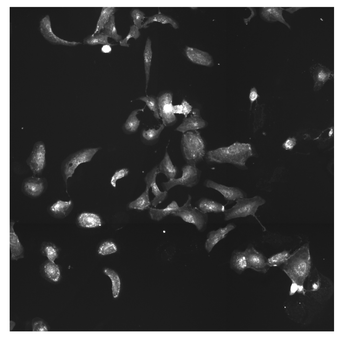
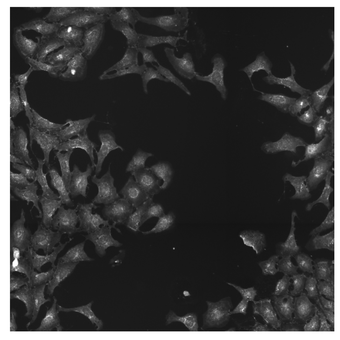


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

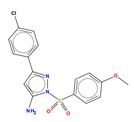
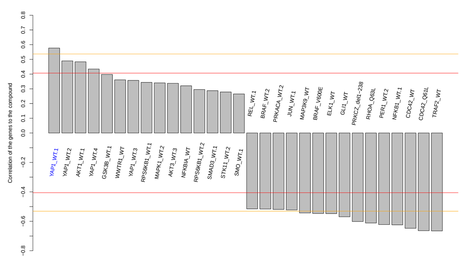
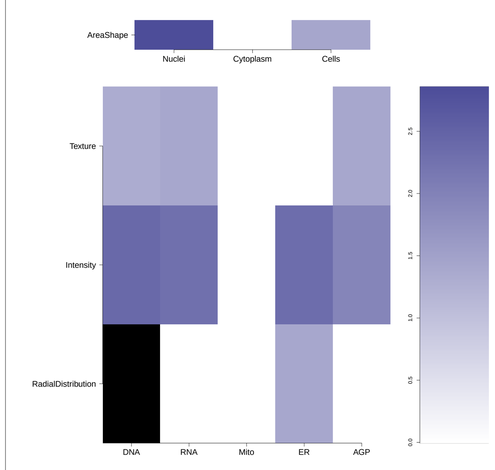
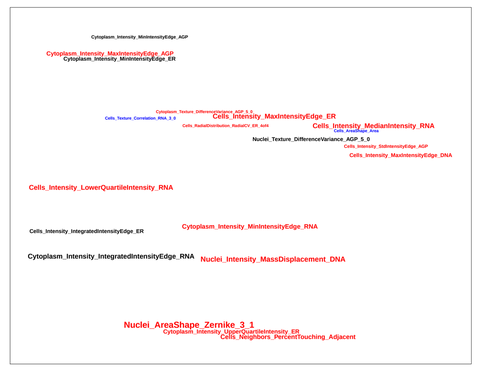
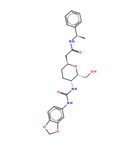
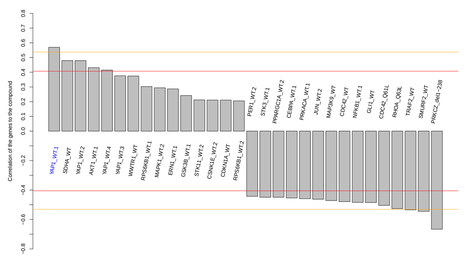
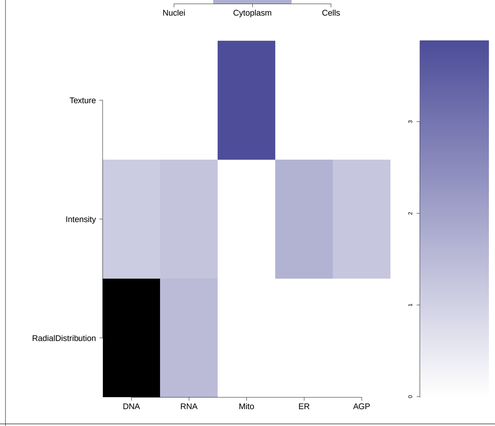
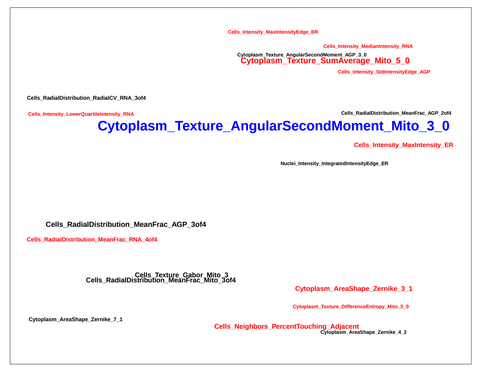
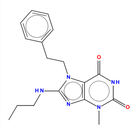
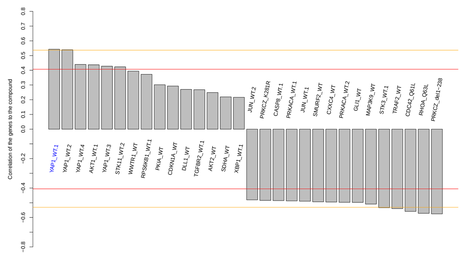
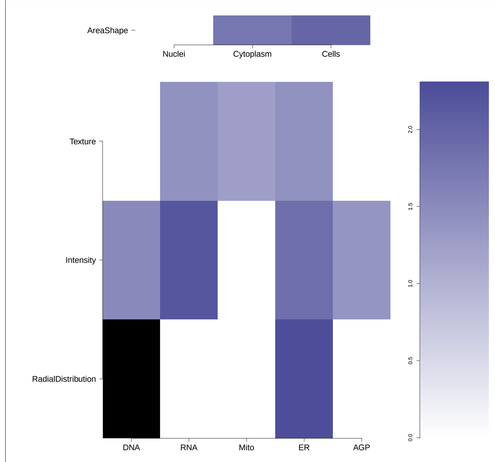
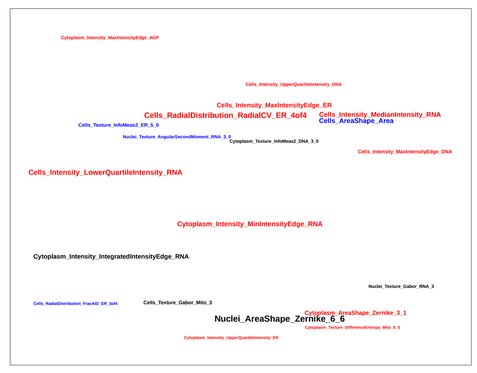
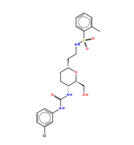
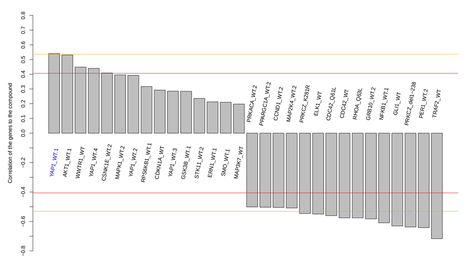
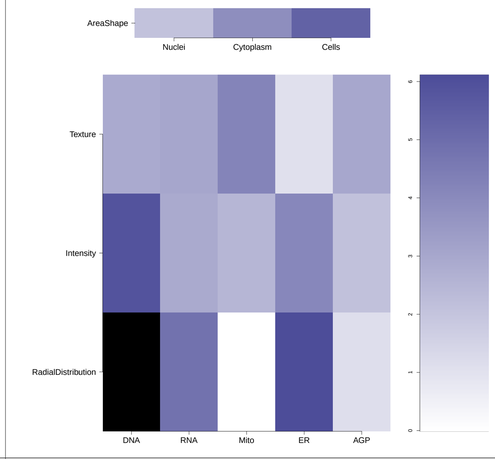
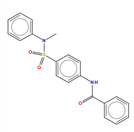
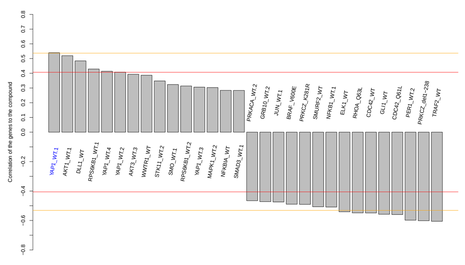
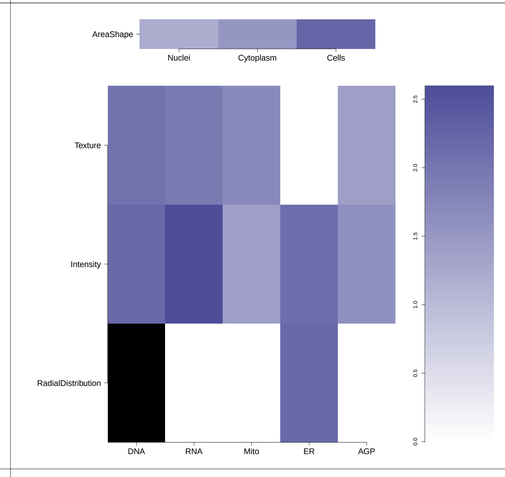
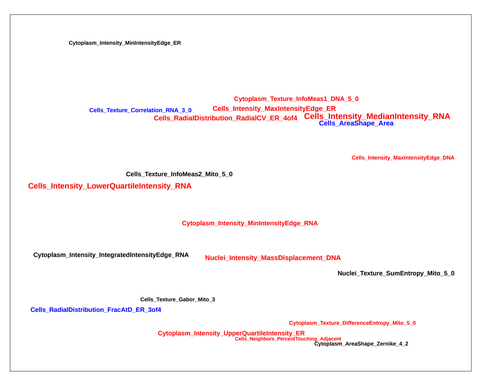
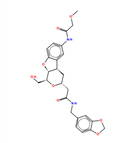
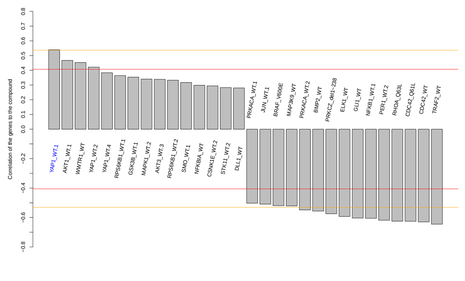
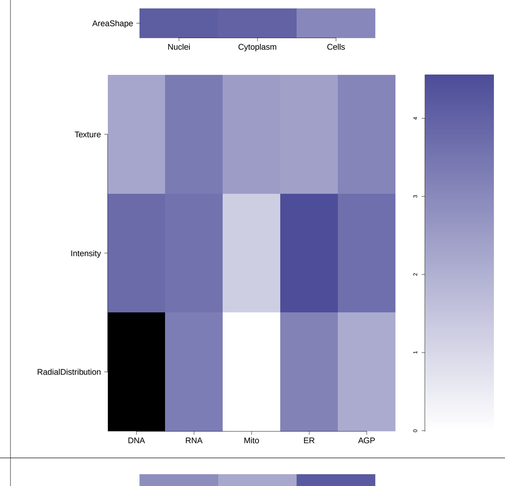
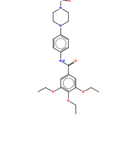
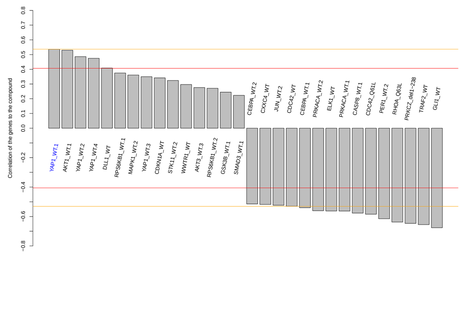
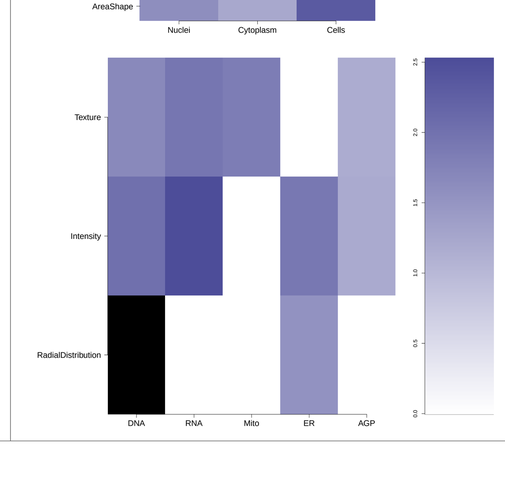
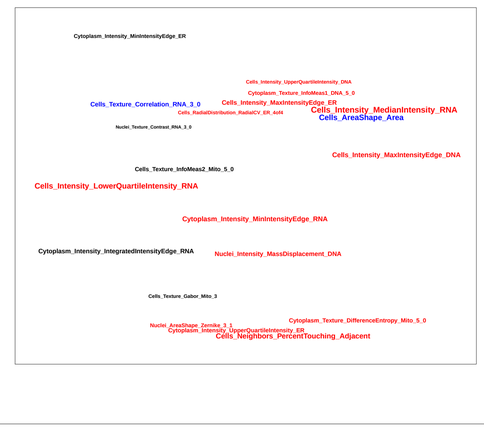


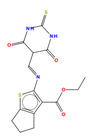
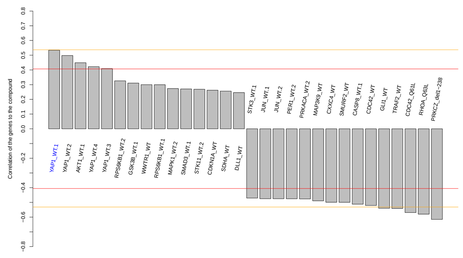
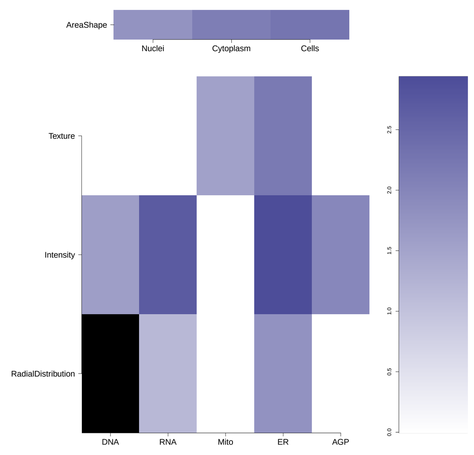
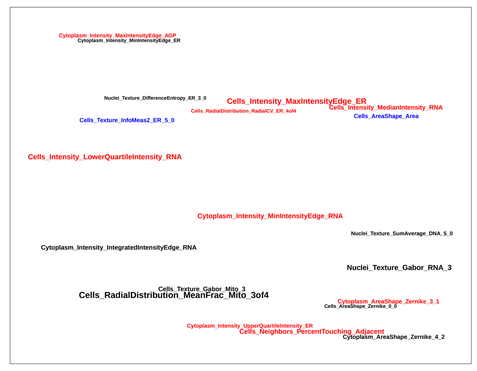
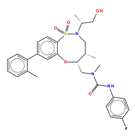
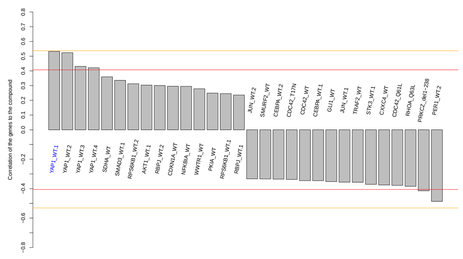
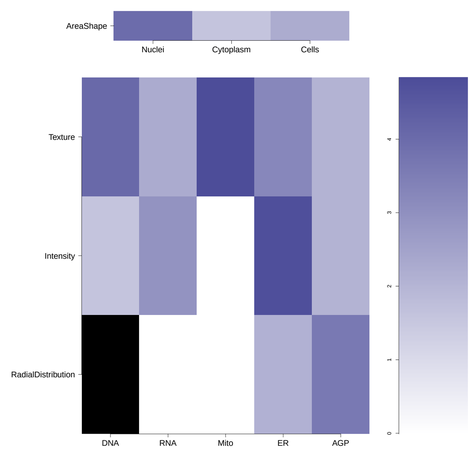
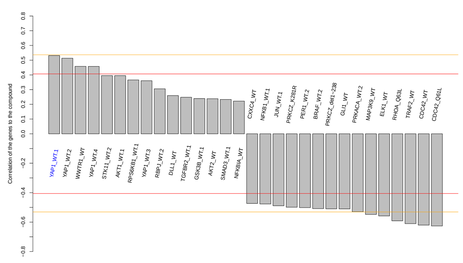
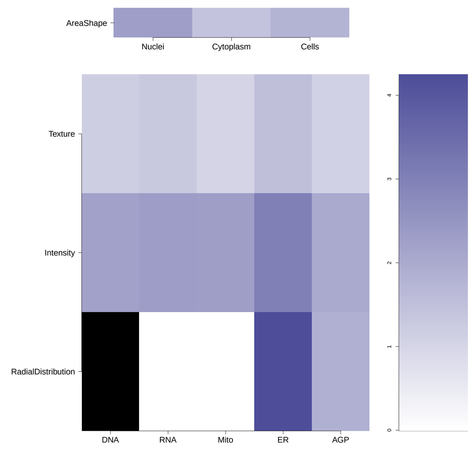
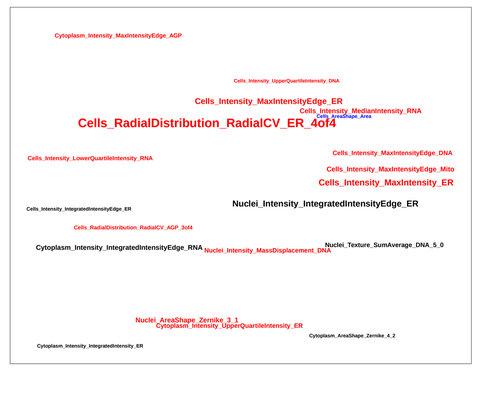
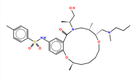
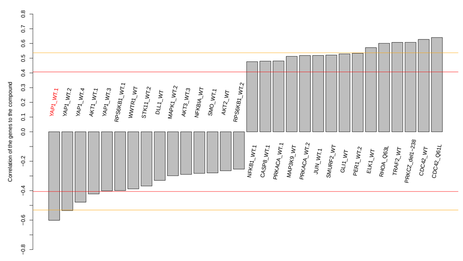
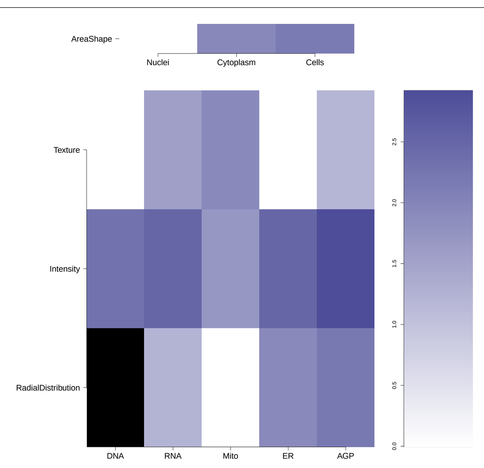
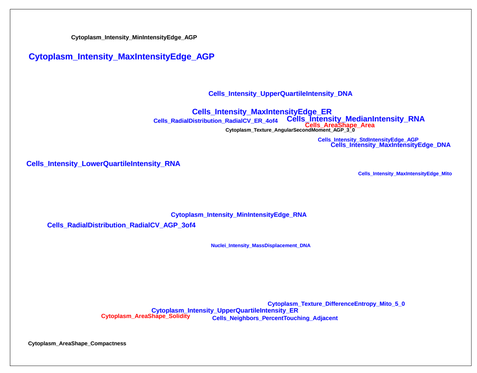
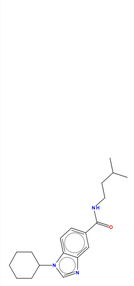
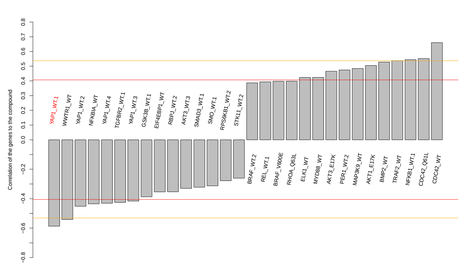
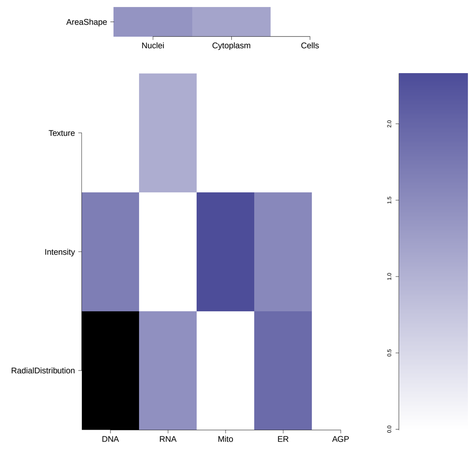
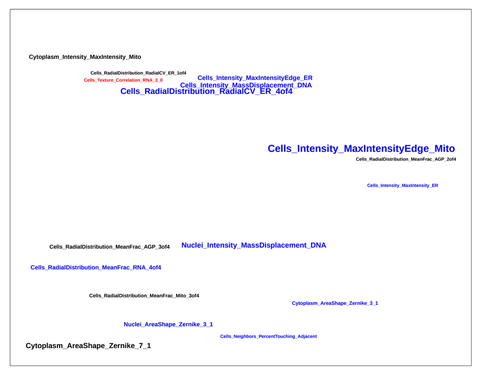
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.



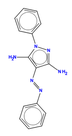
Empty	YAP1_WT.1 (41744)	YAP1_WT.1 (41755)	YAP1_WT.1 (41756)	YAP1_WT.1 (41757)	YAP1_WT.1 (41754)
RNA						
AGP						

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 0.53)	Correlation between compound the gene	Compound rank when scored against the gene using L1000 profiling	How similar is the compound signature to the genes in this experiment? (Yellow and red lines correspond to top/bottom 1st and 5th percentile DMSO correlation to all the genes)	Common distinguishing feature categories in the compound and the gene relative to the untreated samples	Distinguishing individual features for the compound relative to untreated samples. Black means a mismatch; i.e. active (= high z-score in magnitude) in the compound, and either inactive (= small z-score in magnitude) or oppositely active in the gene	Number of PubChem assays in which the compound was tested; assays in which the compound was active are itemized

BRD-K44976794-001-05-3 MLS000674822 HMS2743K10 ZINC5034542 CCG-30662 SMR000314263 PubChem CID : 16194489		NA (in 1 replicates)	0.58	NA				Total number of assays tested in: 578. Active in the following assays: • 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) • Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Full-Length Luciferase Counterscreen assay (AID 504607) • Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Brca1/Bard1 BiLC Counterscreen assay. (AID 504668) • qHTS for Inhibitors of TGF-b (AID 588855) • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417) • 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) • QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM10. (AID 720582) • QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM17. (AID 720648) • QFRET-based biochemical high throughput confirmation assay to identify exosite inhibitors of ADAM17 (AID 743257)
BRD-K31267215-001-01-2 PubChem CID : 54641107		NA (in 1 replicates)	0.57	NA				Total number of assays tested in: 38.
BRD-K40256085-001-04-5 AC1MJXSH SMR000015551 AC1Q2Y4G MLS000102933 HMS2254M23 STK840138 ZINC12437180 BAS 02999070 EU-0010253 F0887-0006 PubChem CID : 3144844		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 770. Active in the following assays: • Allosteric Modulators of D1 Receptors: Primary Screen (AID 641) • Allosteric Modulators of D1 Receptors: Confirmation Screen (AID 642)
BRD-K94647778-001-01-8 PubCID : 54641304		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 38.
BRD-K65400733-001-05-2 AC1LNSOB MLS000705724 ARONIS008210 HMS2566I24 ZINC1004018 STL063471 ZINC01004018 SMR000231521 ST45044957 PubChem CID : 1226824		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 631. Active in the following assays: • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • qHTS Assay for Small Molecule Inhibitors of Mitochondrial Division or Activators of Mitochondrial Fusion (AID 485298) • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417)
BRD-K45475981-001-01-7 PubCID : 54645869		NA (in 1 replicates)	0.54	0.656				Total number of assays tested in: 40.
BRD-K93517397-001-05-6 SMR000075593 MLS000049529 AC1MFU8W MLS002546201 HMS2347I11 ZINC4058350 STK184695 ZINC04058350 PubCID : 2950805		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 779. Active in the following assays: • Primary cell-based high throughput assay for inhibitors of the Janus kinase 2 mutant JAK2V617F (AID 1446) • High Throughput Imaging Assay for Hepatic Lipid Droplet Formation (AID 1656) • Fluorescence-based primary biochemical high throughput screening assay to identify inhibitors of the Hepatitis C Virus non-structural protein 3 helicase (NS3) (AID 1800) • Single concentration confirmation of HCS identification of small molecules that inhibit hepatic lipid droplet formation (AID 463183)

BRD-K48784826-001-06-7 AC1O0S56 PubChem CID : 6050693		NA (in 1 replicates)	0.53	NA				Total number of assays tested in: 540. Active in the following assays: • uHTS for 14-3-3/Bad interaction inhibitors (AID 781) • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • HTS identification of compounds activating phosphomannose isomerase (PMI) via a fluorescence intensity assay using a near- saturating concentration of mannose 6-phosphat (AID 1216) • qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) • MLPCN maternal gene expression-MEX-5 TCR-2 binding assay-Primary Screen (AID 1832) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of tRNA 2'-phosphotransferase (TPT1). (AID 1962) • uHTS fluorescence assay for the identification of Human Immunodeficiency Virus Fusion Inhibitors. (AID 1986) • Fluorescence polarization-based counterscreen assay for inhibitors of tRNA 2'-phosphotransferase (TPT1): biochemical high throughput screening assay to identify inhibitors of RNAse T1. (AID 2153) • Fluorescent Polarization Homogeneous Dose Retest to Confirm Inhibitors of Mex-5 Binding to TCR-2 (AID 449745) • POS-1 FP counterscreen Measured in Biochemical System Using Plate Reader - 2024-02_Inhibitor_Dose_CherryPick_Activity_Set2 (AID 493130) • qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339) • qHTS Assay for Inhibitors of RanGTP induced Rango (Ran-regulated importin-beta cargo) - Importin beta complex dissociation (AID 540253) • qHTS Assay for Inhibitors of Mammalian Selenoprotein Thioredoxin Reductase 1 (TrxR1): qHTS (AID 588453) • uHTS identification of agonists of the CRF-binding protein and CRF-R2 receptor complex (AID 588473) • Primary cell-based high-throughput screening for identification of compounds that antagonize MrgX1 receptor signaling (AID 588676) • qHTS for Inhibitors of WRN Helicase (AID 651768) • qHTS for Inhibitors of phosphatidylinositol 5-phosphate 4-kinase (PI5P4K) (AID 652105)
BRD-K74962003-001-01-2 PubChem CID : 54618471		0.65 (in 4 replicates)	0.53	0.108				Total number of assays tested in: 36.
BRD-K42800143-001-01-4 PubChem CID : 44495438		0.57 (in 3 replicates)	0.53	0.979				Total number of assays tested in: 33.
BRD-K40708503-001-01-5 PubChem CID : 44620530		0.80 (in 4 replicates)	-0.60	NA				Total number of assays tested in: 41. Active in the following assays: • MLPCN ERAP1 Measured in Biochemical System Using Plate Reader - 7016-01_Inhibitor_Dose_CherryPick_Activity (AID 743317)
BRD-K69411451-001-05-5 MLS000521139 AC1NOQEF HMS2456K10 ZINC220503 SMR000131548 EU-0064772 PubChem CID : 5092614		NA (in 1 replicates)	-0.59	NA				Total number of assays tested in: 682. Active in the following assays: • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • Counterscreen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483)

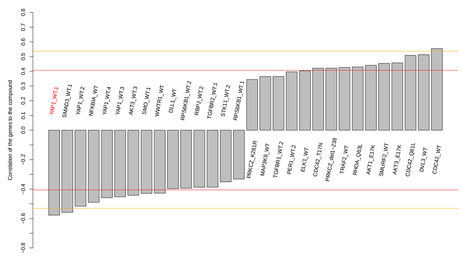
BRD-K01228012-001-05-6
MLS000702401
SMR000224885
AC1O4QZQ
AmbTos300272
BDBM49692
HMS2524H15
PubChem CID : 6399157

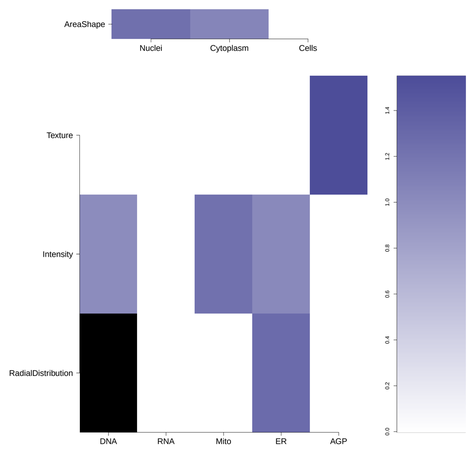


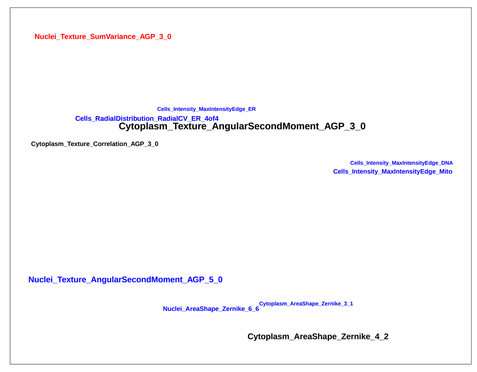
NA (in 1 replicates)

-0.58

NA







Total number of assays tested in: 664. Active in the following assays:

- Primary cell-based high-throughput screening assay to identify antagonists of Galanin Receptor 2 (GALR2) (AID 828)
- Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932)
- Counter Screen for Luciferase-based Primary Inhibition Assays (AID 1006)
- High Throughput Screen to Identify Compounds that increase expression of NF-kB in Human Neuronal Cells - Primary Screen (AID 1239)
- Confirmation cell-based high throughput screening assay to measure STAT1 activation (AID 1262)
- Counterscreen assay for STAT1 activators: Cell-based high throughput assay to measure STAT3 activation (AID 1316)
- Primary cell-based high throughput assay for inhibitors of the Janus kinase 2 mutant JAK2V617F (AID 1446)
- qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458)
- qHTS for Inhibitors of Tau Fibril Formation, Thioflavin T Binding (AID 1460)
- Counterscreen for inhibitors of Janus kinase 2 mutant JAK2V617F: Cell-based high throughput assay to identify inhibitors of parental Ba/F3 cell viability. (AID 1486)
- High Throughput Imaging Assay for Beta-Catenin (AID 1665)
- MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)
- Luminescence-based counterscreen assay for KLF5 inhibitors: cell-based high throughput screening assay to identify cytotoxic compounds using the IEC-6 intestinal epithelial cell line. (AID 1825)
- Luminescence-based confirmation cell-based assay for cytotoxic compounds using the IEC-6 intestinal epithelial cell line. (AID 1907)
- High throughput discovery of novel modulators of ROMK K+ channel activity: Primary Screen (AID 1918)
- HCS assay for microtubule stabilizers (AID 2205)
- Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
- A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
- Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of the prolyl oligopeptidase-like enzyme (PREPL) (AID 2751)
- Fluorescence polarization-based biochemical high throughput confirmation assay to identify inhibitors of the prolyl oligopeptidase-like enzyme (PREPL) (AID 2803)
- qHTS Assay for Inhibitors of BAZ2B (AID 504333)
- uHTS fluorescent assay for identification of inhibitors of ATG4B (AID 504462)
- qHTS screen for small molecules that induce genotoxicity in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504466)
- Dose response confirmation of the uHTS fluorescent assay for identification of inhibitors of ATG4B. (AID 504756)
- Single concentration confirmation of inhibitors of ATG4B via a fluorescent assay (AID 504757)
- qHTS for Inhibitors of Cell Surface uPA Generation (AID 540303)
- Counterscreen for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis: Absorbance-based biochemical high throughput Glycerophosphate Dehydrogenase-Triosephosphate Isomerase (GDH-TPI) full deck assay to identify assay artifacts (AID 588335)
- qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)
- Dose response counterscreen of uHTS hits for ATG4B inhibitors in a Phospholipase A2 assay (AID 588400)
- 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)
- qHTS for inhibitors of Vif-A3G interactions: Cherry picks counterscreen (AID 651813)
- qHTS for inhibitors of Vif-A3F interactions: Cherry picks counterscreen (AID 651815)
- 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 screening assay to identify activators of the DAF-12 from the parasite H. contortus (hcDAF-12) (AID 652067)
- Counterscreen for activators of the function of SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2, BRM): Luminescence-based cell-based high throughput screening assay to identify non-selective compounds using the VP16 reporter assay (AID 686939)
- 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)
- Luminescence-based cell-based primary high throughput screening assay to identify agonists of the DAF-12 from the parasite H. glycines (hgDAF-12). (AID 687014)
- Luminescence-based cell-based high throughput confirmation assay to identify agonists of the DAF-12 from the parasite H. glycines (hgDAF-12). (AID 743050)

BRD-K43014865-001-01-7
PubChem CID : 44617302

0.88 (in 4 replicates)

-0.57

NA

Total number of assays tested in: 40. Active in the following assays:

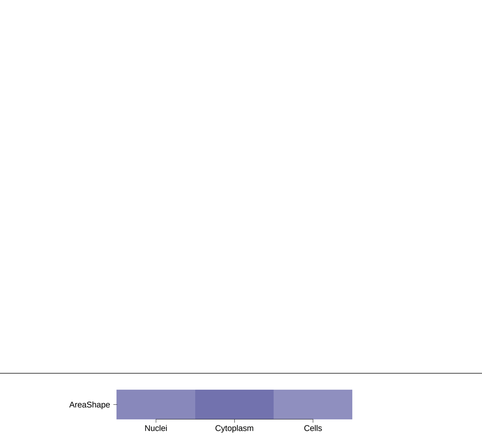
- HTS for Bacterial rRNA inhibitors Measured in Microorganism-Based System Using Plate Reader - 7056-01_Inhibitor_SinglePoint_HTS_Activity (AID 720706)

BRD-K28901743-001-05-3
ZINC01748812
AC1LTAWC
MLS000552933
ZINC1748812
CCG-15676
STL331422
BAS 00558059
SMR000175471
ST50181975
PubChem CID : 1555494

NA (in 1 replicates)

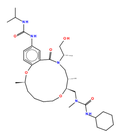
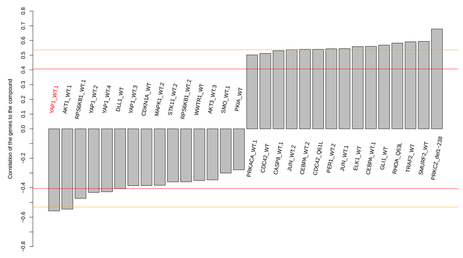
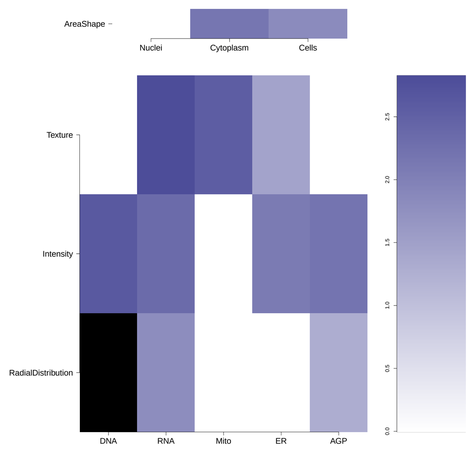
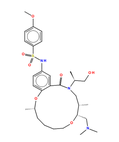
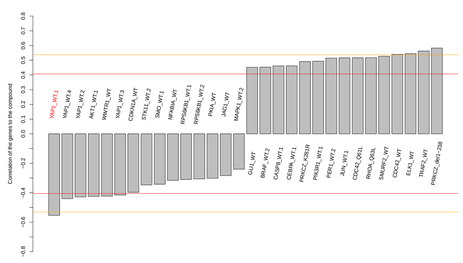
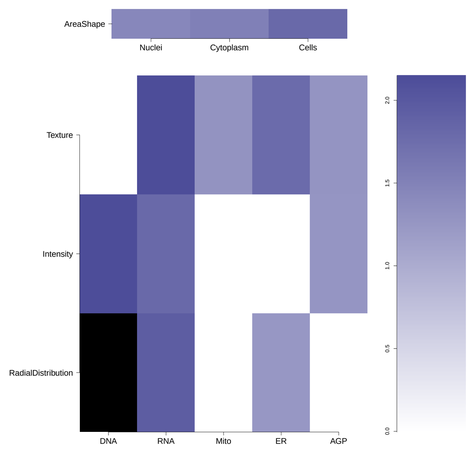
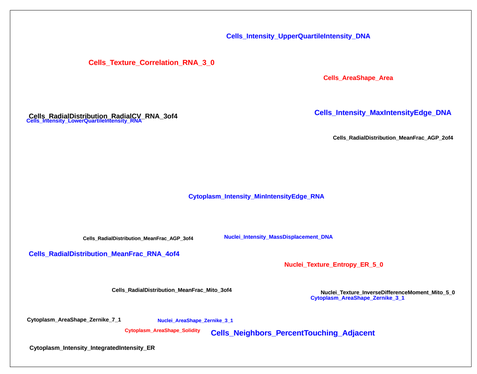
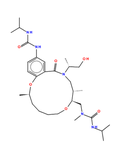
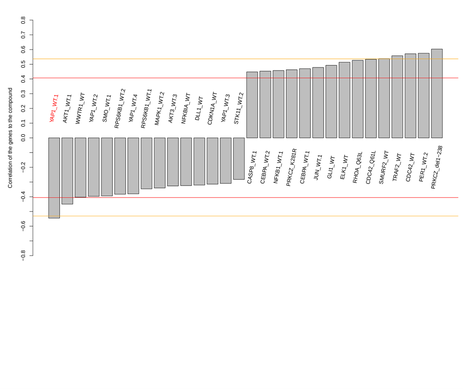
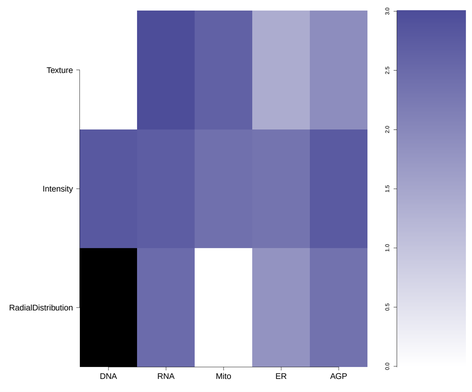
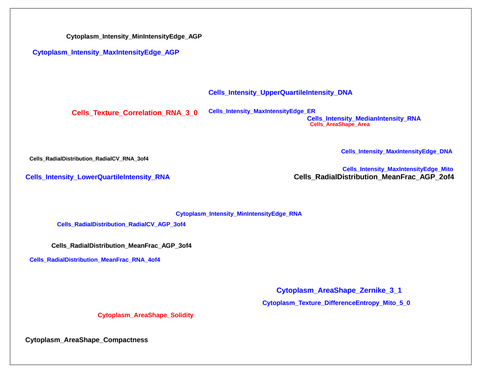
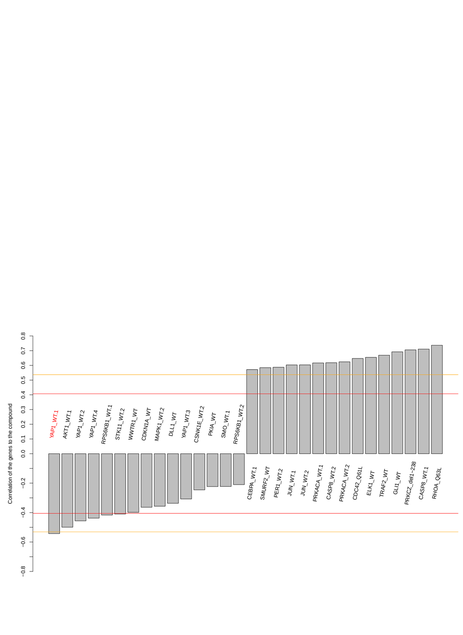
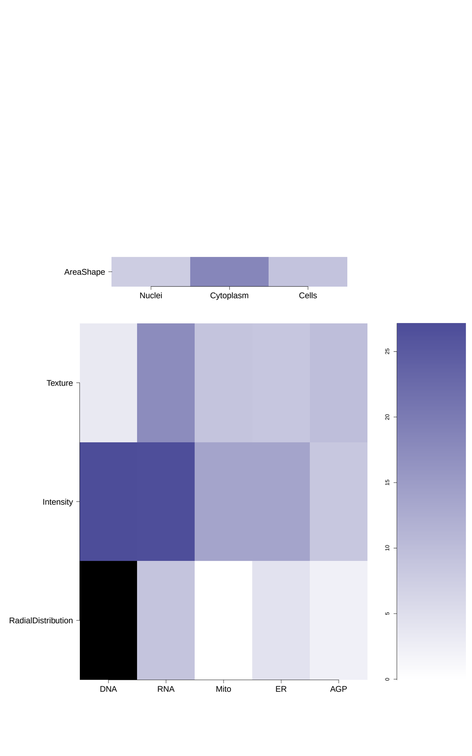
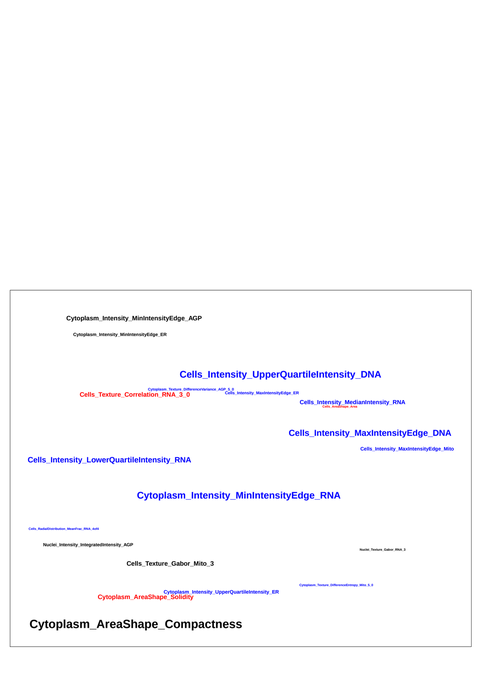
-0.57

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-K61991236-001-01-5 PubChem CID : 54614996		0.79 (in 4 replicates)	-0.56	NA				Total number of assays tested in: 32.
BRD-K27173348-001-01-8 PubCID : 44616695		0.83 (in 4 replicates)	-0.55	NA				Total number of assays tested in: 20.
BRD-K89493095-001-01-0 PubCID : 44501062		0.83 (in 4 replicates)	-0.55	NA				Total number of assays tested in: 44.
BRD-A61437901-001-06-4 AC1MELUG MLS001034555 HMS2964O04 STK056804 SMR000664698 ST50589848 PubCID : 2905407		0.93 (in 2 replicates)	-0.54	NA				• 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)	Total number of assays tested in: 505. Active in the following assays:
BRD-K31826120-001-01-9 PubCID : 44496416		0.77 (in 4 replicates)	-0.54	NA				Total number of assays tested in: 42.