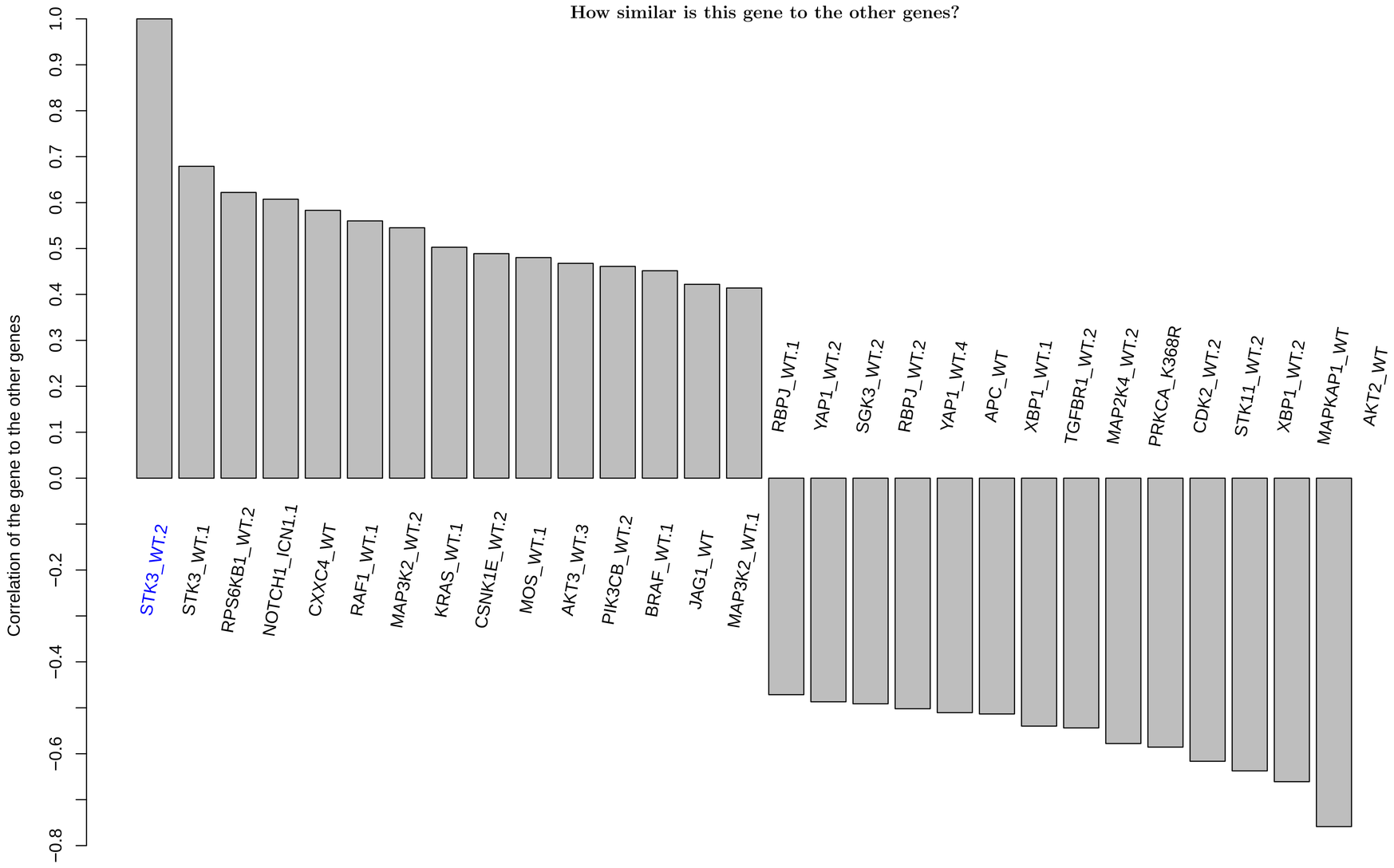
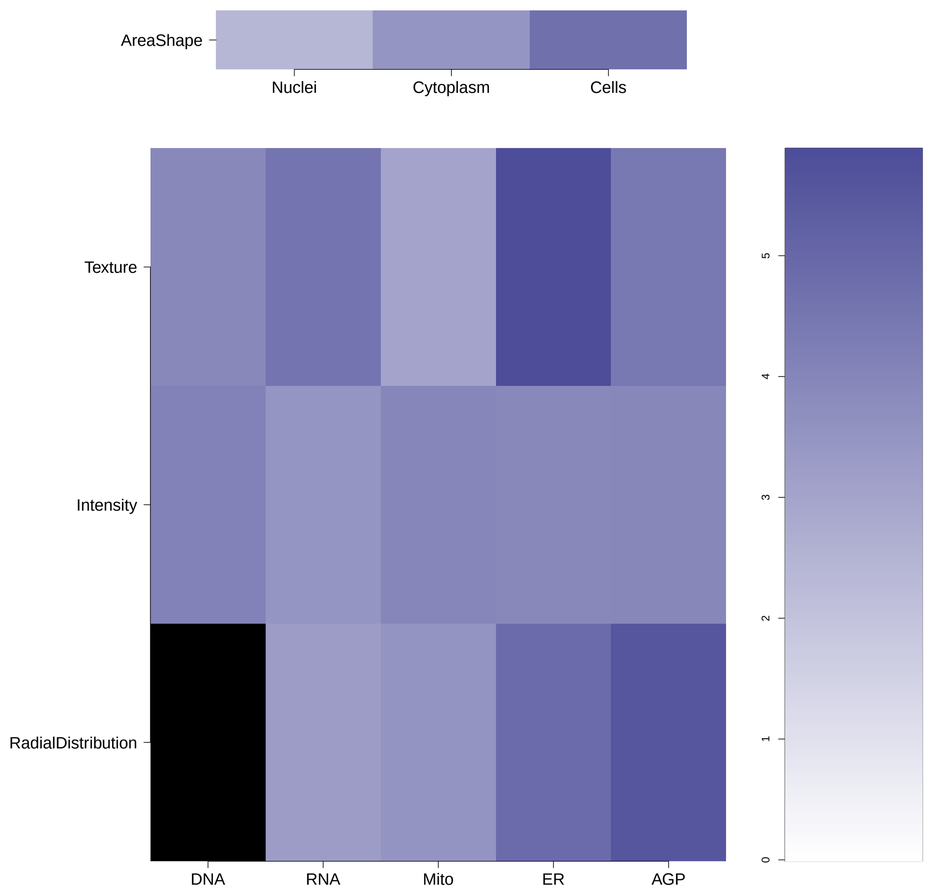
STK3_WT.2 - in Canonical Hippo

How similar is this gene to the other genes?



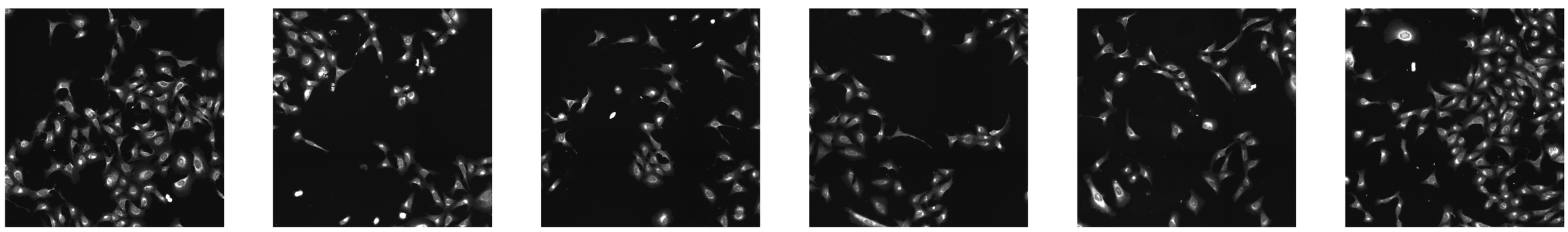
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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



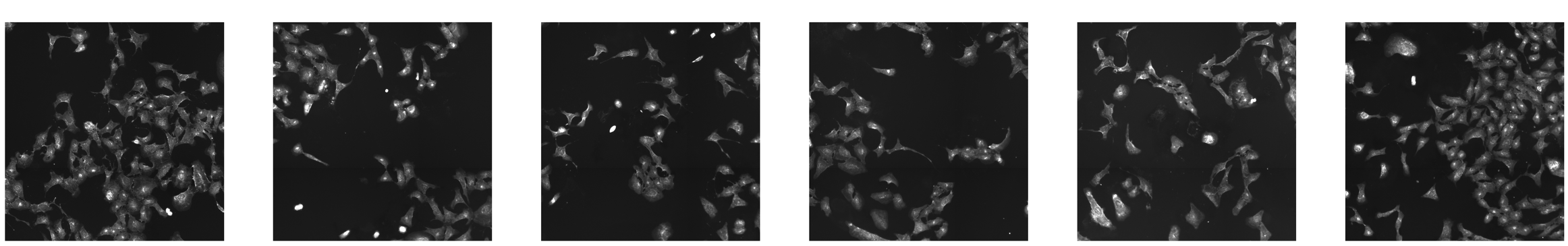
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

Empty | STK3_WT.2 (41744) | STK3_WT.2 (41755) | STK3_WT.2 (41756) | STK3_WT.2 (41757) | STK3_WT.2 (41754)

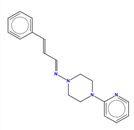
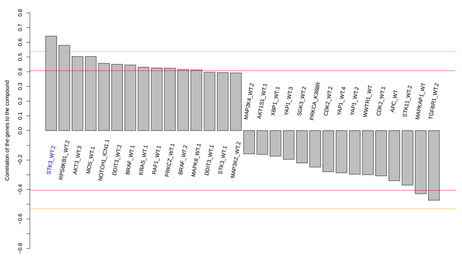
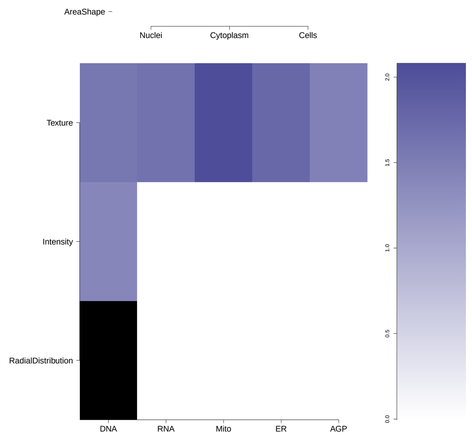
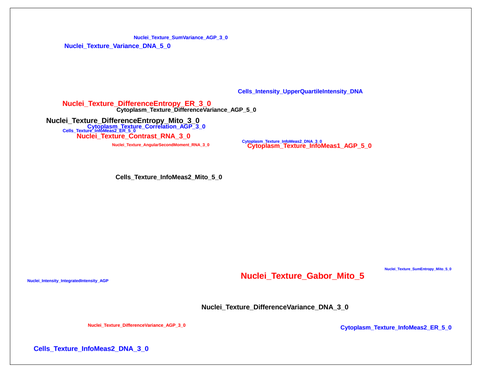
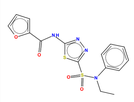
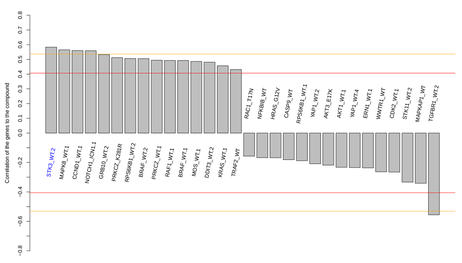
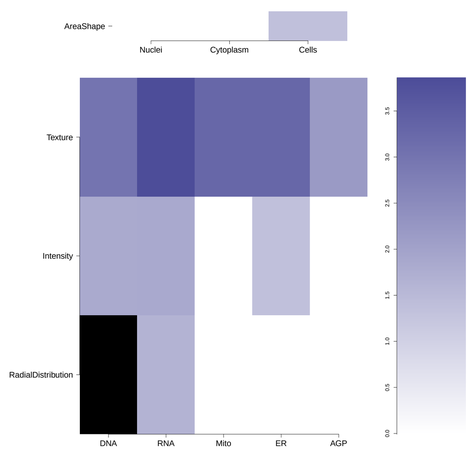
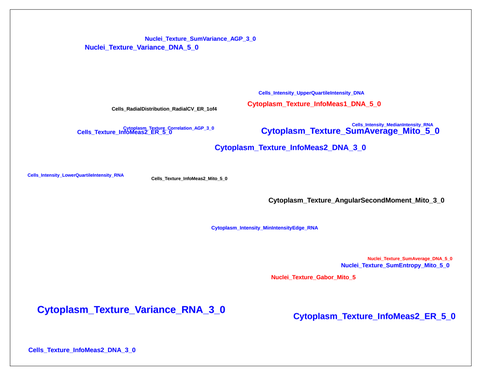
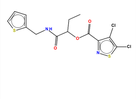
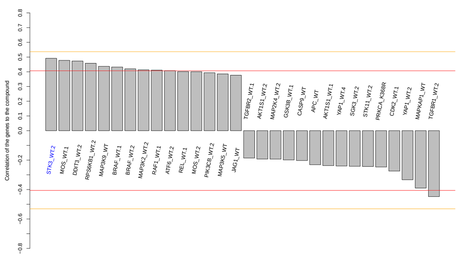
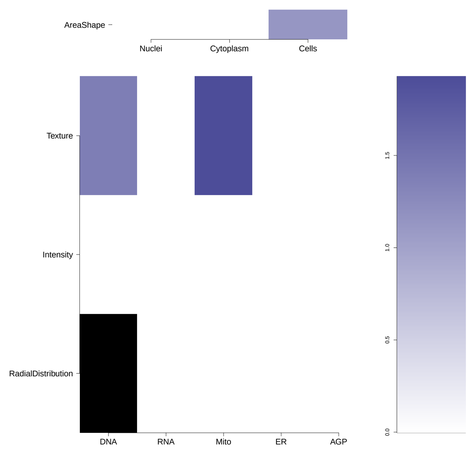
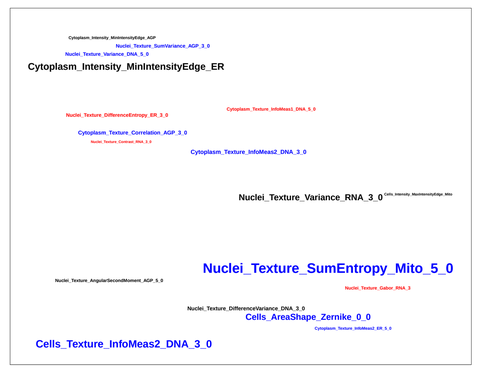
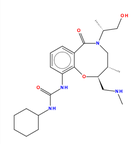
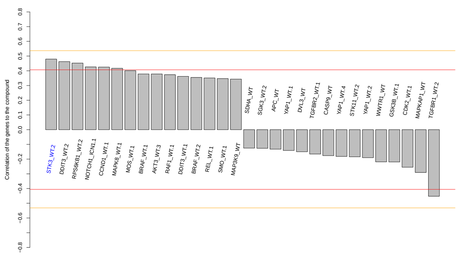
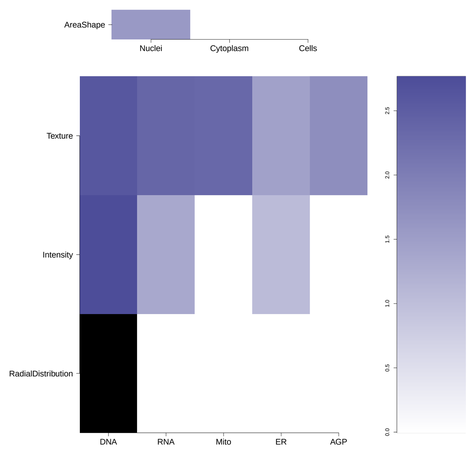
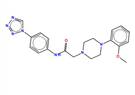
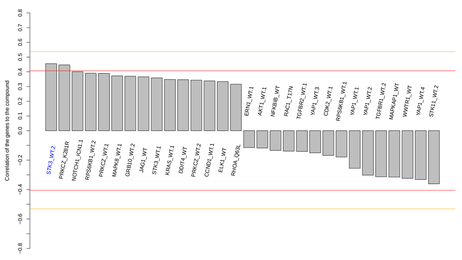
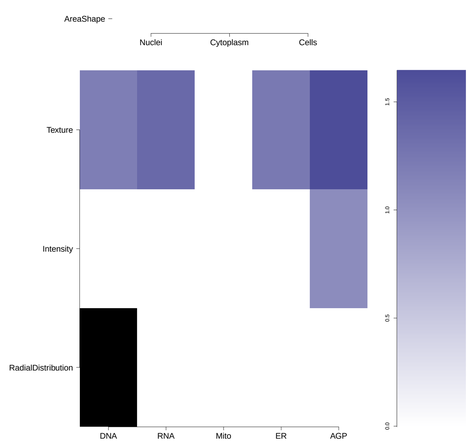
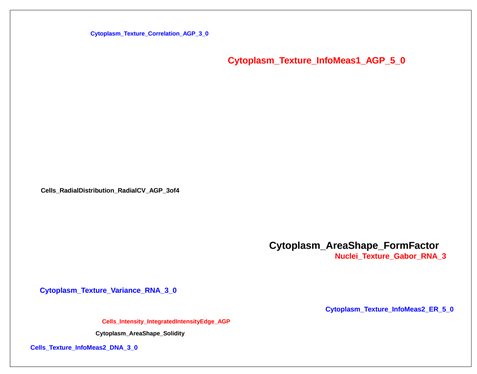
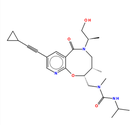
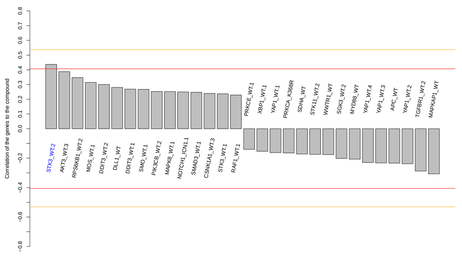
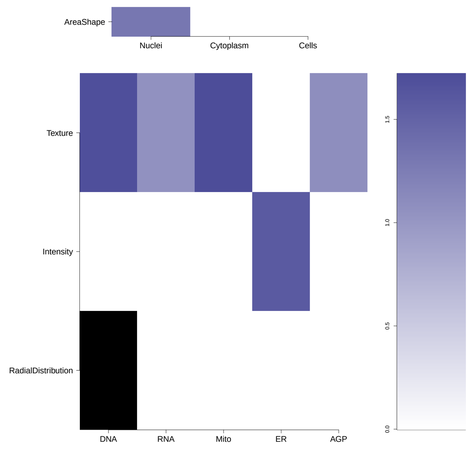
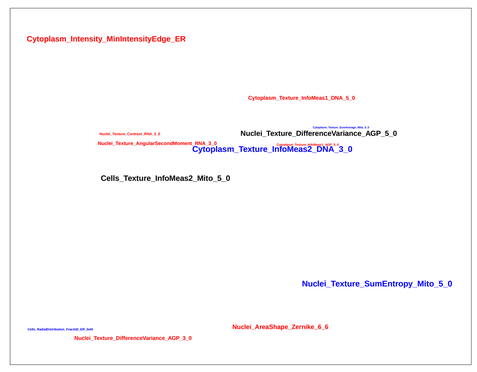
ER

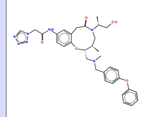
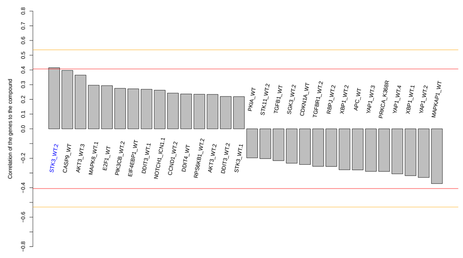
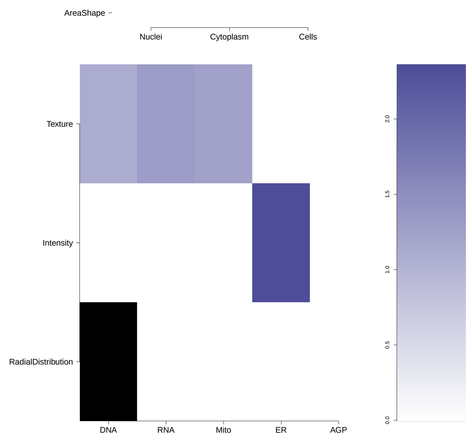
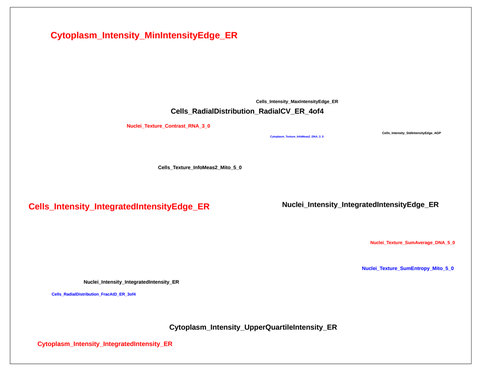
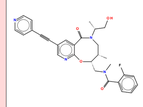
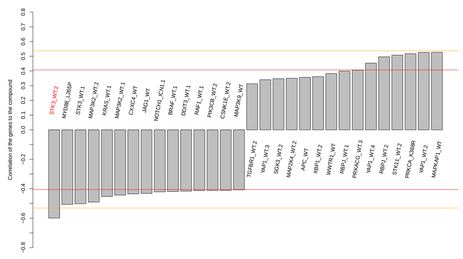
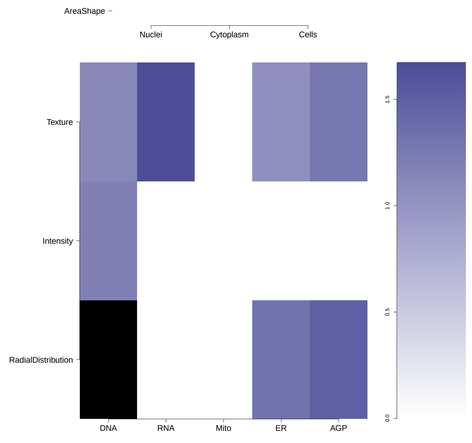
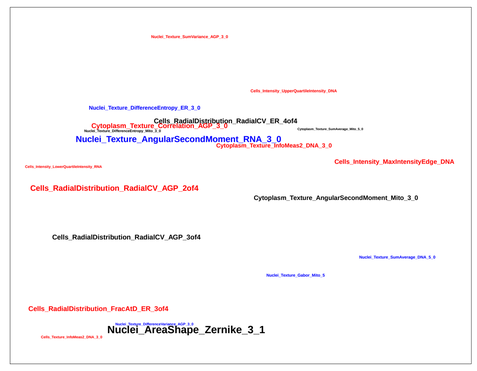
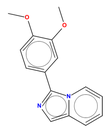
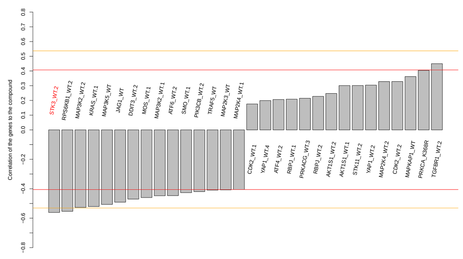
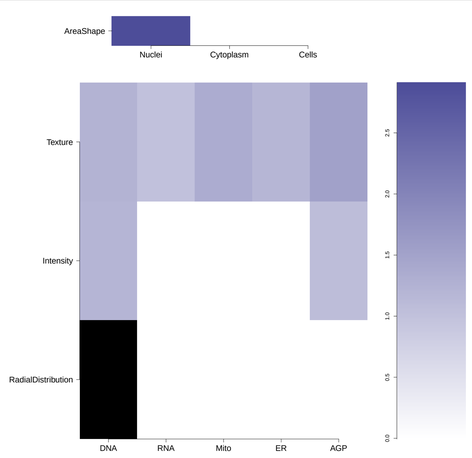
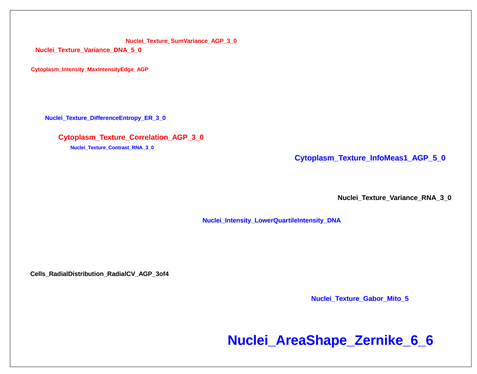
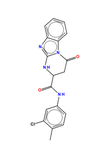
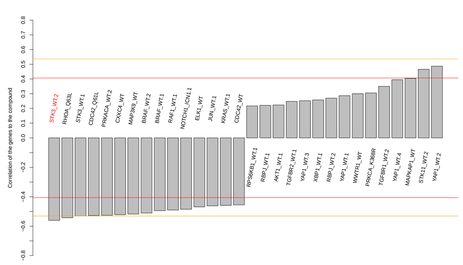
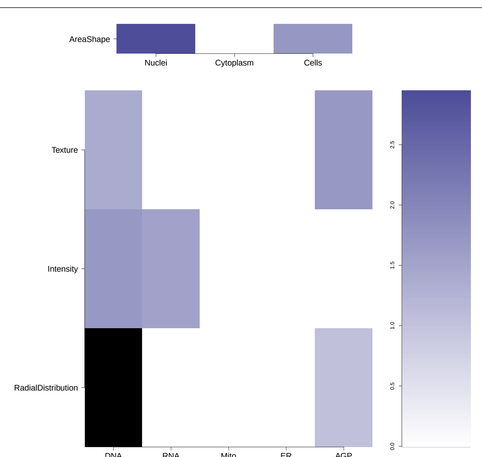
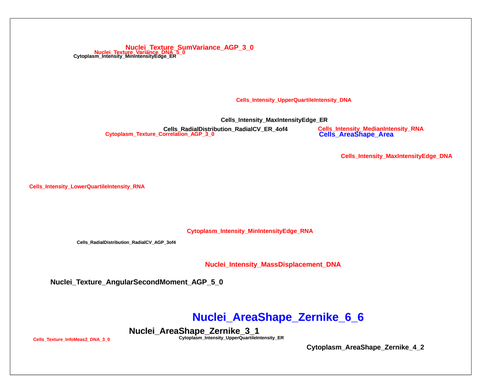
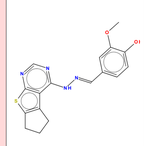
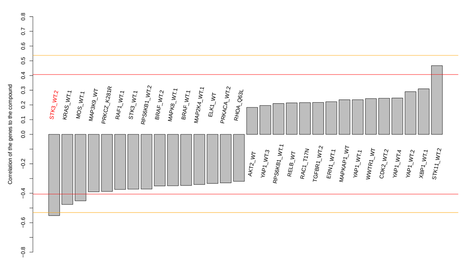
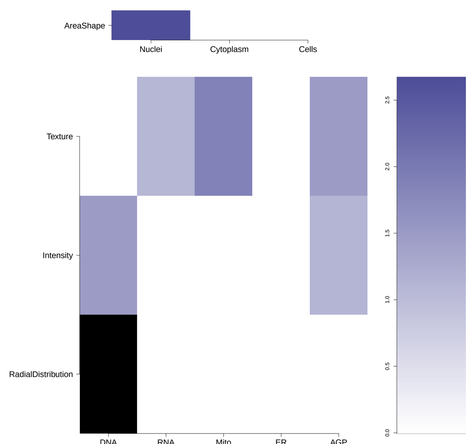
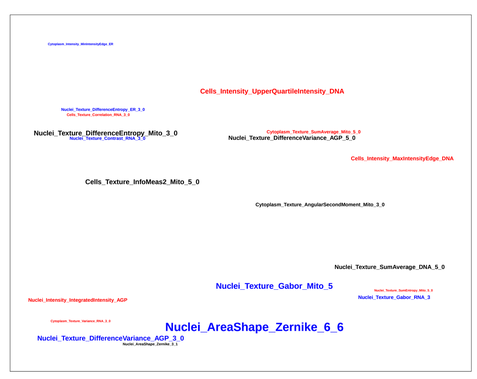


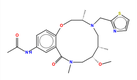
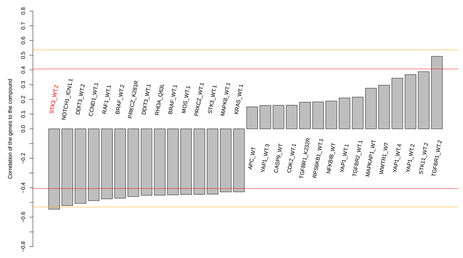
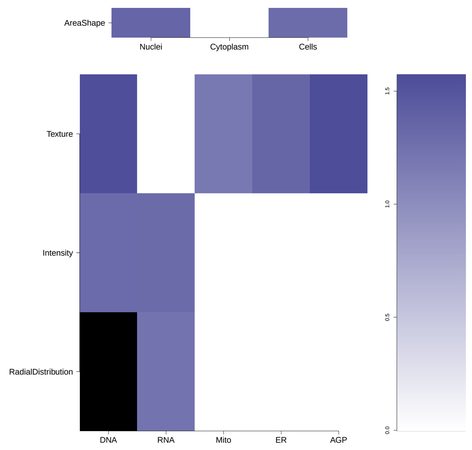
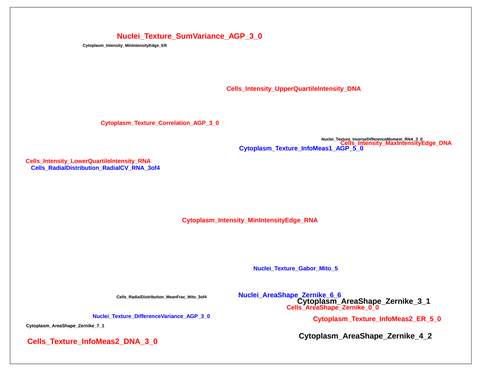
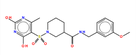
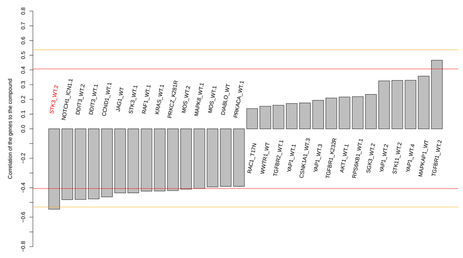
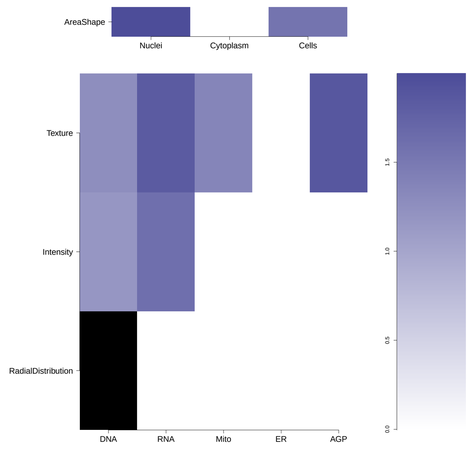
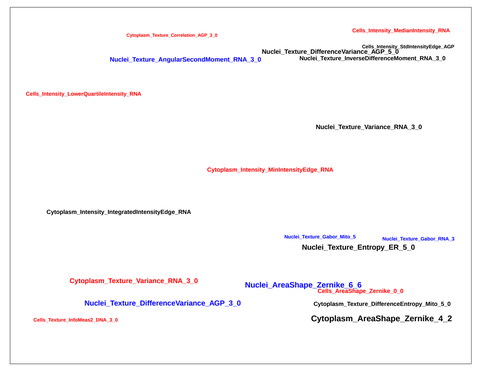
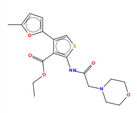
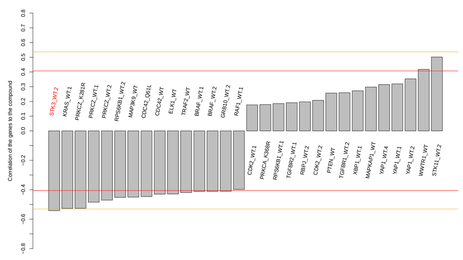
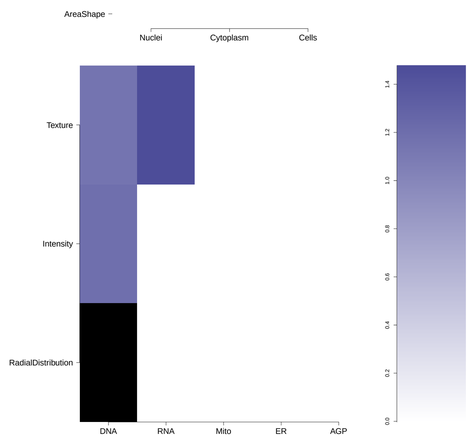
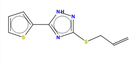
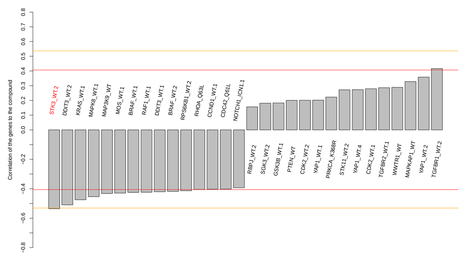
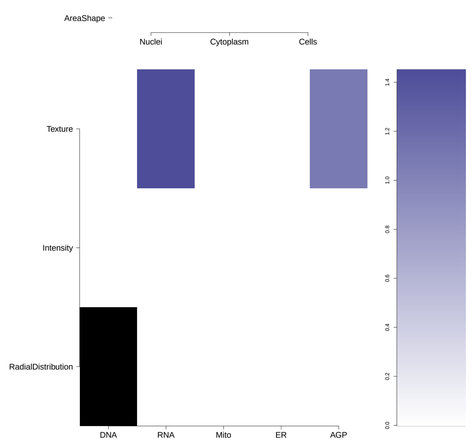
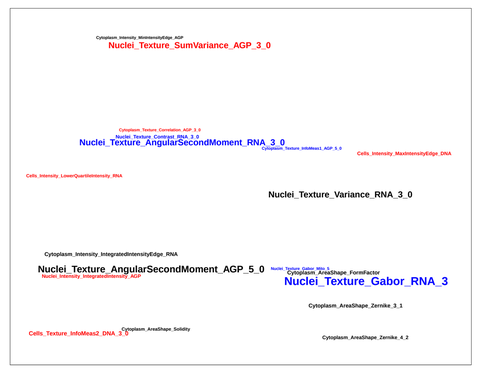
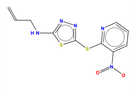
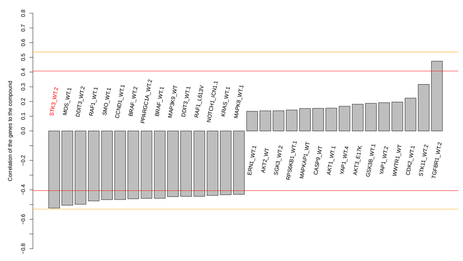
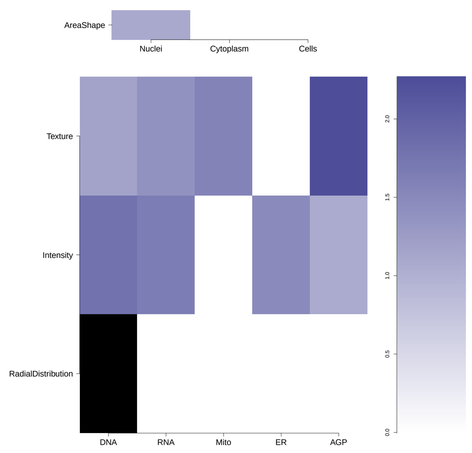
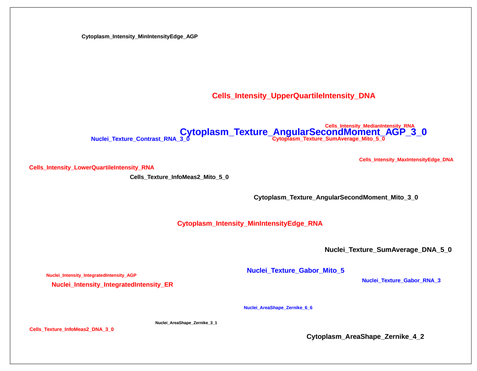
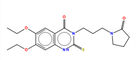
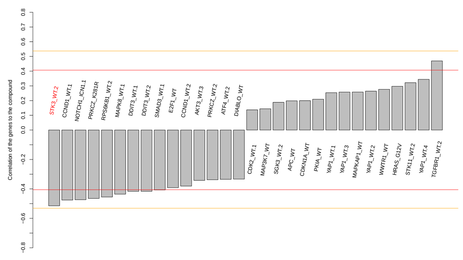
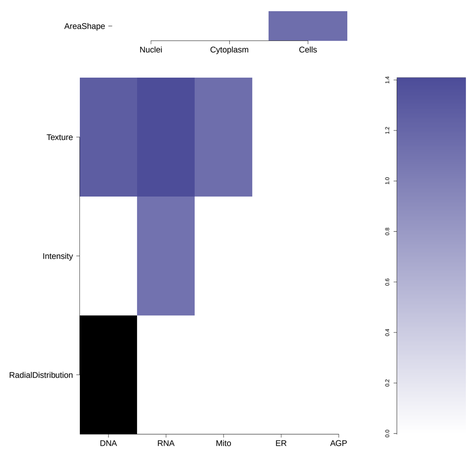
AGP



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 0.52)	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-K31945831-001-05-8 AC1OAMZW SMR000187177 MLS000577792 STL361976 ZINC15974401 ST041256 PubChem CID : 6861869		0.66 (in 2 replicates)	0.64	NA				Total number of assays tested in: 661. Active in the following assays: • Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932) • 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) • 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) • Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 6 (SENP6) using a Luminescent assay (AID 488915) • Single concentration confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488918) • qHTS screen for small molecules that induce genotoxicity in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504466) • Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-01_Inhibitor_SinglePoint_HTS_Activity (AID 504558) • MITF Measured in Cell-Based System Using Plate Reader - 2084-01_Activator_SinglePoint_HTS_Activity (AID 588334) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417) • 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)
BRD-K19608696-001-04-5 MLS001121487 HMS1859H04 HMS2253I17 ZINC6818267 ZINC06818267 SMR000626594 E157-5383 PubChem CID : 16017323		NA (in 1 replicates)	0.58	NA				Total number of assays tested in: 508. Active in the following assays: • qHTS Screen for Compounds that Selectively Target Cancer Cells with p53 Mutations: Cytotoxicity of p53ts Cells at the Nonpermissive Temperature (AID 902) • qHTS Screen for Compounds that Selectively Target Cancer Cells with p53 Mutations: Cytotoxicity of p53 Null Cells at the Nonpermissive Temperature (AID 904) • A screen for compounds that inhibit cell wall-associated teichoic acid synthesis in Staphylococcus aureus (AID 463173) • qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651718) • Absorbance-based biochemical high throughput confirmation assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651822)
BRD-A58908711-001-05-1 MLS000121860 AC1MLIJI HMS2382H18 ASN 06396818 SMR000119309 PubChem CID : 3220393		0.61 (in 4 replicates)	0.49	NA				Total number of assays tested in: 666. Active in the following assays: • qHTS Assay for Inhibitors of HPGD (15-Hydroxyprostaglandin Dehydrogenase) (AID 894) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of the plasma platelet activating factor acetylhydrolase (pPAFAH) (AID 463082) • Luminescence-based cell-based primary high throughput screening assay to identify agonists of the mouse 5-hydroxytryptamine (serotonin) receptor 2A (HTR2A) (AID 624169)
BRD-K98815321-001-02-7 PubChem CID : 44488571		0.58 (in 3 replicates)	0.48	0.151				Total number of assays tested in: 54.
BRD-K30733398-001-05-4 ASN 08248481 AC1LSHZ1 MLS000707252 HMS2728N21 SMR000288717 PubChem CID : 1439460		0.60 (in 3 replicates)	0.46	NA				Total number of assays tested in: 635. Active in the following assays: • Phenotypic HTS multiplex for antifungal efflux pump inhibitors (AID 485275)
BRD-K27451531-001-01-5 PubChem CID : 54618472		0.53 (in 4 replicates)	0.44	0.084				Total number of assays tested in: 38.

BRD-K10048365-001-01-9 PubChem CID : 54613818		0.53 (in 4 replicates)	0.42	0.085				Total number of assays tested in: 42. Active in the following assays: • Identification of agents that induce E-selectin on human endothelial cells Measured in Cell-Based System Using Imaging - 2152-01_Activator_SinglePoint_HTS_Activity (AID 686992)
BRD-K48782834-001-01-2 PubChem CID : 54619202		0.80 (in 4 replicates)	-0.60	0.890				Total number of assays tested in: 38.
BRD-K29994411-034-05-9 ST50505749 MLS000527924 HMS1423N13 HMS2165J14 HMS3315C07 SMR000120498 T0505-9605 PubChem CID : 9549582		NA (in 1 replicates)	-0.56	NA				Total number of assays tested in: 690. Active in the following assays: • uHTS of Mcl-1/Bid interaction inhibitors (AID 1021) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • qHTS Assay for Inhibitors of BAZ2B (AID 504333) • qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339) • Discovery of small molecule inhibitors of the oncogenic and cytokinetic protein MgcRacGAP - Primary and Confirmatory Screens (AID 624330)
BRD-A84530592-001-07-1 ZINC00814335 AC1NRMA1 MLS000765155 HMS2726B07 STK167461 BAS 08978426 SMR000288560 ST093880 PubChem CID : 5294569		NA (in 1 replicates)	-0.56	NA				Total number of assays tested in: 654. Active in the following assays: • Luminescent assay for identification of activators of bovine intestinal alkaline phosphatase (AID 1016) • Primary screen for compounds that inhibit Insulin promoter activity in TRM-6 cells (AID 1273) • uHTS Luminescent assay for identification of activators of mouse intestinal alkaline phosphatase (AID 2805) • Single concentration confirmation of uHTS hits from a small molecule activators of mouse intestinal alkaline phosphatase via a luminescent assay (AID 434970) • qHTS for Small Molecule Agonists and Allosteric Enhancers of Human TRH Receptor: Primary Screen for Enhancers (AID 493056) • Activator for delta FosB/delta FosB homodimer Measured in Biochemical System Using Plate Reader - 2072-01_Activator_SinglePoint_HTS_Activity (AID 493131)
BRD-K62703930-001-05-3 HMS2622E10 PubChem CID : 15945340		0.61 (in 2 replicates)	-0.55	NA				Total number of assays tested in: 578. Active in the following assays: • HTS to identify inhibitors of zVAD Induced Cell Death in L929 Cells. (AID 1377) • Primary biochemical high throughput screening assay to identify inhibitors of VIM-2 metallo-beta-lactamase (AID 1527) • MLPCN Streptokinase Expression Inhibition (AID 1662) • Profiling Assay to determine GST-GSH interactions in multiplex bead-based assays (AID 1769) • 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) • Absorbance Microorganism-Based Dose Response HTS to Identify Inhibitors of Streptokinase Expression (AID 1914) • Luminescence-based cell-based primary high throughput screening assay to identify activators of the GAA850 frataxin (FXN) promoter (AID 540364) • 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) • Counterscreen for activators of the GAA850 frataxin promoter: luminescence-based cell-based high throughput screening assay to identify activators of the GAA30 frataxin promoter (AID 588350) • Luminescence-based cell-based high throughput confirmation assay for activators of the GAA850 frataxin (FXN) promoter (AID 588351) • A quantitative high throughput screen for small molecules that induce DNA re-replication in SW480 colon adenocarcinoma cells. (AID 624297) • Fluorescence polarization-based biochemical primary high throughput screening assay to identify inhibitors of ADP-ribosylation factor GTPase activating protein 1 (ARFGAP1) (AID 651572) • Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651718) • qHTS Assay for Inhibitors of the CtBP/E1A Interaction (AID 651724) • qHTS Assay for Inhibitors of the Six1/Eya2 Interaction (AID 651725) • HTS for Bacterial rRNA inhibitors Measured in Microorganism-Based System Using Plate Reader - 7056-01_Inhibitor_SinglePoint_HTS_Activity (AID 720706)

BRD-K33236055-001-01-8 PubChem CID : 54633488		0.68 (in 4 replicates)	-0.55	0.267				Total number of assays tested in: 37. Active in the following assays: • DENV2 CPE-Based HTS Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2149-01_Other_SinglePoint_HTS_Activity (AID 651640)
BRD-A86682819-001-05-9 SMR000132149 MLS000521741 MLS002586576 HMS2504L07 PubChem CID : 9550295		NA (in 1 replicates)	-0.55	NA				Total number of assays tested in: 671.
BRD-K17708248-001-05-5 ST50134193 SMR000150119 AC1LP02B MLS000570099 HMS2340O20 STL307306 ZINC21822453 T0511-6007 PubChem CID : 1276757		0.69 (in 2 replicates)	-0.54	NA				Total number of assays tested in: 683. Active in the following assays: • CYP2C9 Assay (AID 777) • CYP2C19 Assay (AID 778) • Leishmania major promastigote HTS (AID 1063) • qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) • qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • 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-K49243142-001-05-2 MLS000756915 NSC-366807 NSC366807 AC1Q4XTD AC1L7QB0 HMS1450P19 HMS2886B15 SPB00136 CCG-53302 ZINC16941278 IDI1 018424 SMR000528991 PubChem CID : 339578		0.56 (in 4 replicates)	-0.54	NA				Total number of assays tested in: 593. Active in the following assays: • qHTS Assay for Inhibitors of Fructose-1,6-bisphosphate Aldolase from Giardia Lamblia (AID 2451) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) • Inhibition of GST-tagged Rad9/recombinant human N-terminal domain of RPA70 DNA binding domain interaction by electrophoretic mobility shift assay (AID 592712)
BRD-K88482185-001-06-4 T5337199 AC1NKBUL MLS001007353 HMS2702K18 ZINC9492738 ZINC09492738 SMR000384568 PubChem CID : 4885463		0.67 (in 2 replicates)	-0.52	NA				Total number of assays tested in: 633. Active in the following assays: • Primary screen for compounds that inhibit Insulin promoter activity in TRM-6 cells (AID 1273) • High Throughput Screen to Identify Inhibitors of Mycobacterium tuberculosis H37Rv (AID 1626) • MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) • Aqueous Solubility from MLSMR Stock Solutions (AID 1996) • Luminescence Cell-Based Dose Response HTS to Identify Activators of 5'UTR Stem-Loop Driven Prion Protein mRNA Translation in H4 Neuroglioblastoma Cells (AID 1999) • 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) • 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) • 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) • Beta-Arrestin HTS for Positive Allosteric Modulators of the Human D2 Dopamine Receptor: Antagonists (AID 624463) • 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 Stage-Specific Inhibitors of Vaccinia Orthopoxvirus: mCherry Reporter Primary qHTS (AID 720579)
BRD-K03708099-001-05-1 SMR000030995 AC1MMKS8 MLS000095441 MLS002588598 HMS2391F10 ZINC2976520 EU-0061522 PubChem CID : 3240295		NA (in 1 replicates)	-0.51	NA				Total number of assays tested in: 759. Active in the following assays: • Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738) • qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) • uHTS identification of small molecule agonists of the APJ receptor via a luminescent beta-arrestin assay (AID 2520) • qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339)