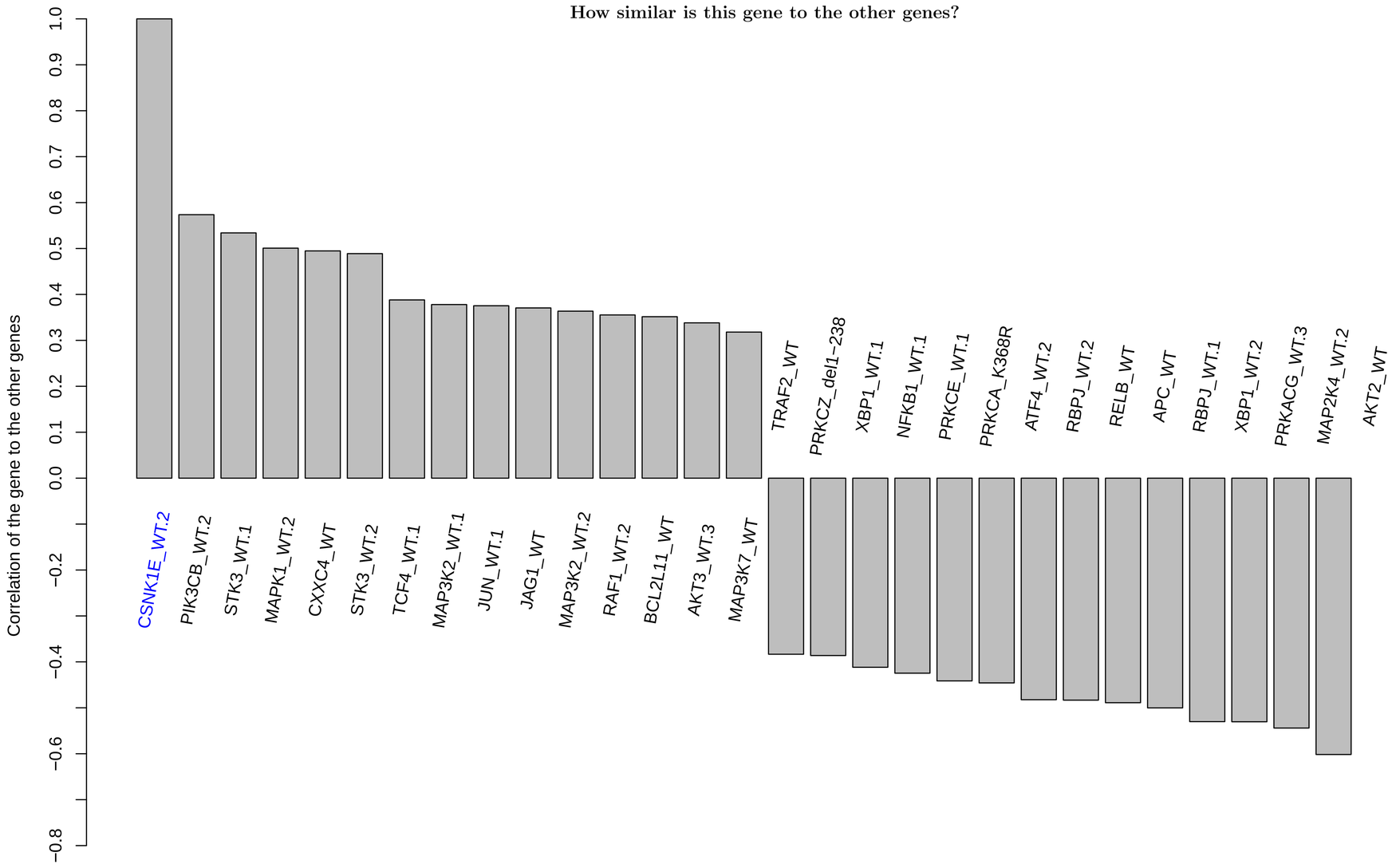
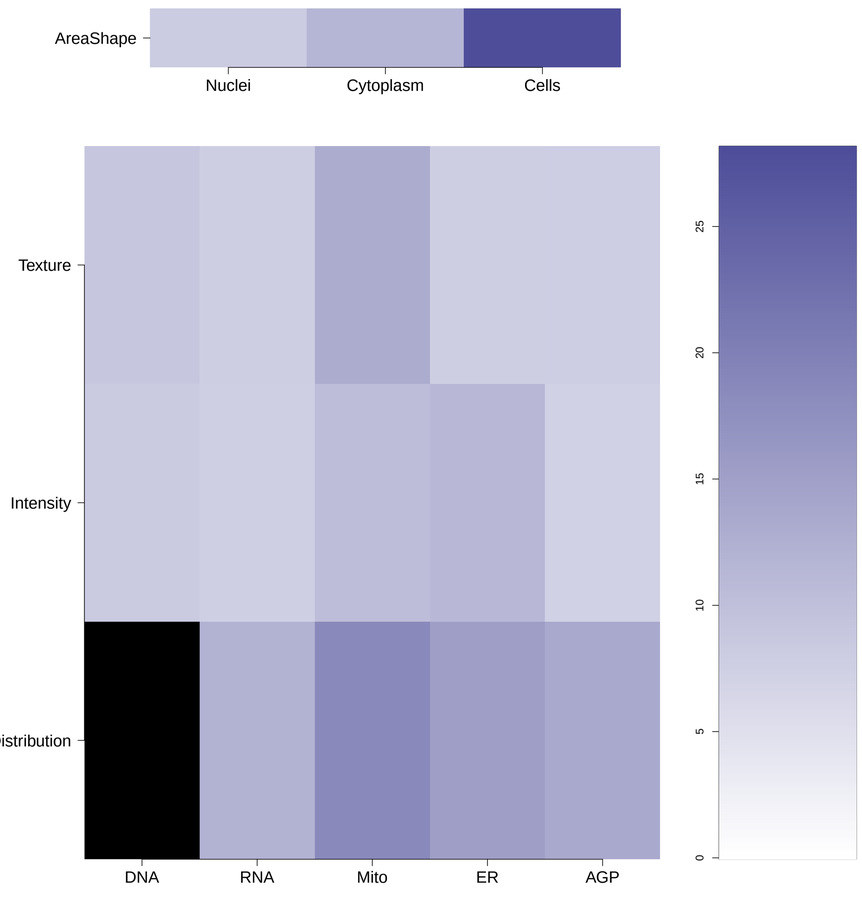
CSNK1E_WT.2 - in Canonical Circadian Rhythm

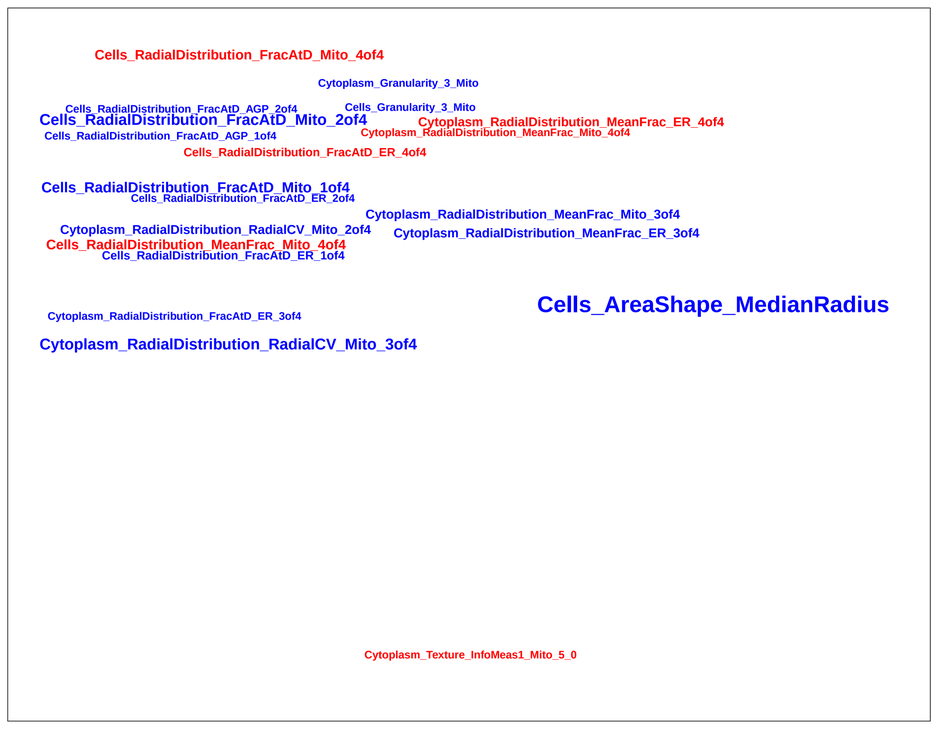
How similar is this gene to the other genes?

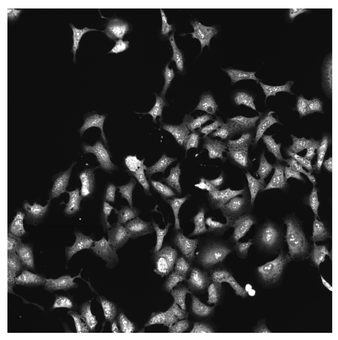
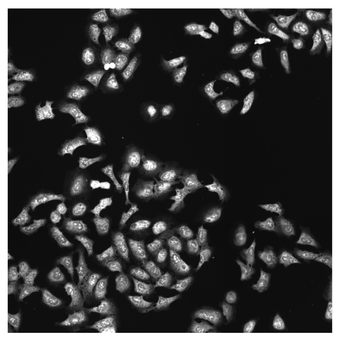
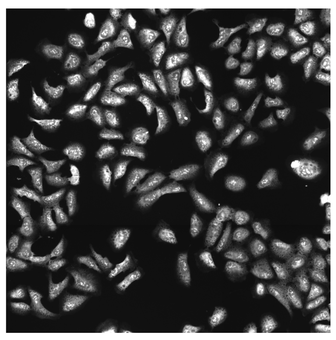
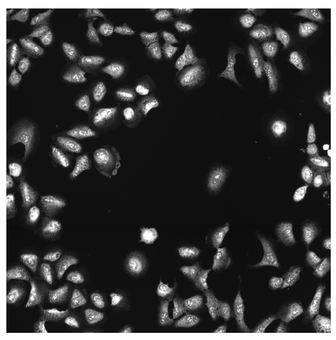
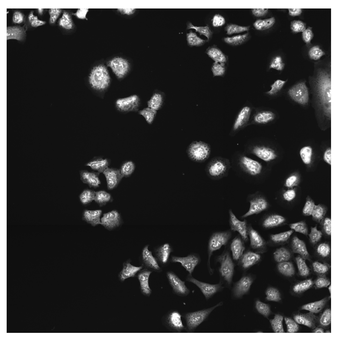
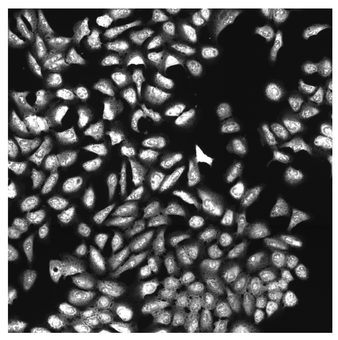
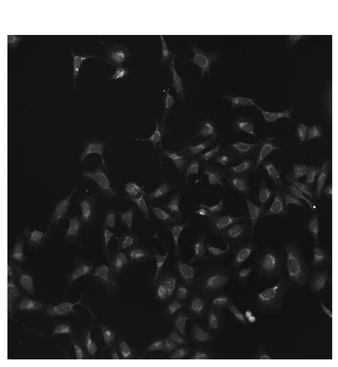
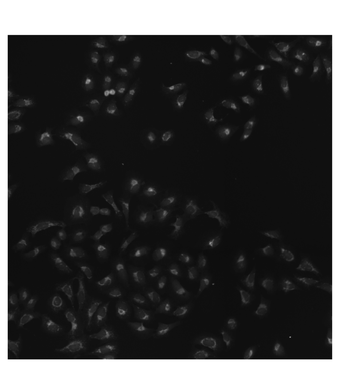
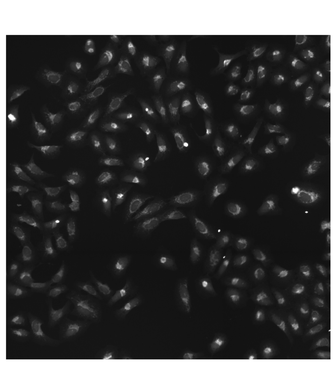
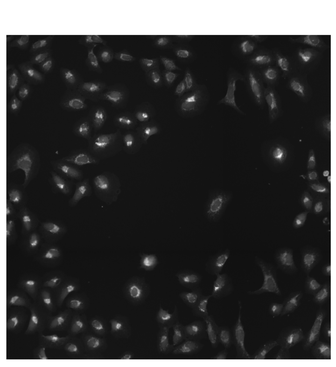
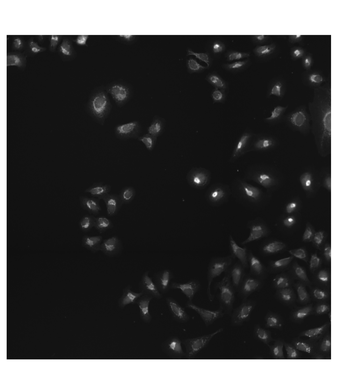
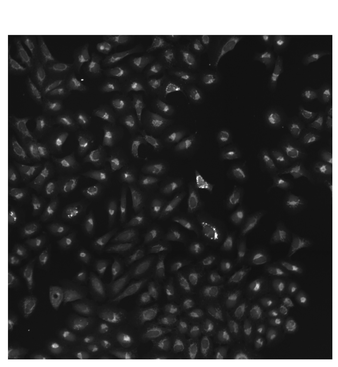


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

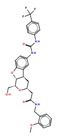
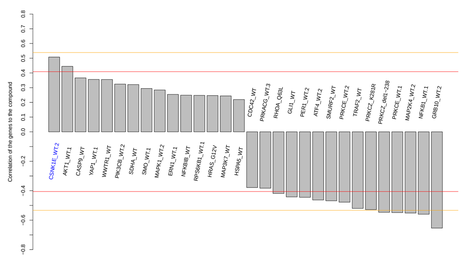
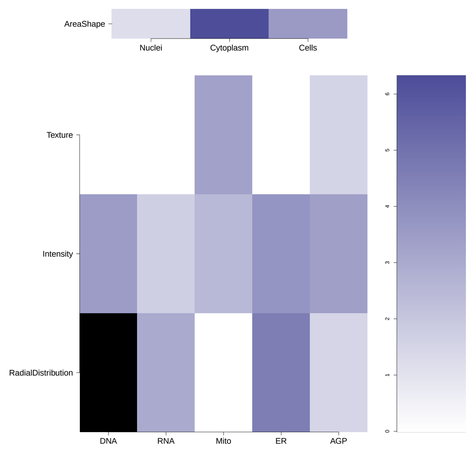
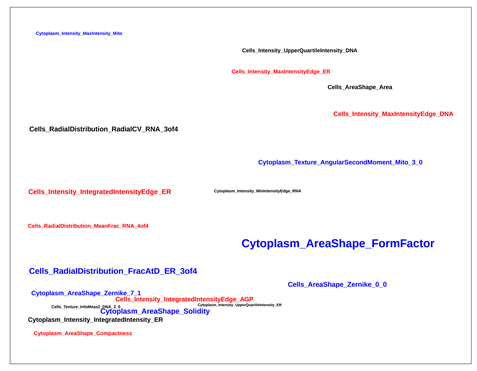
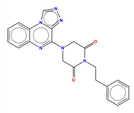
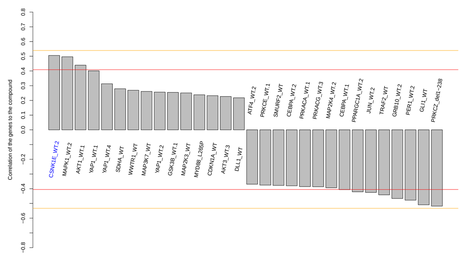
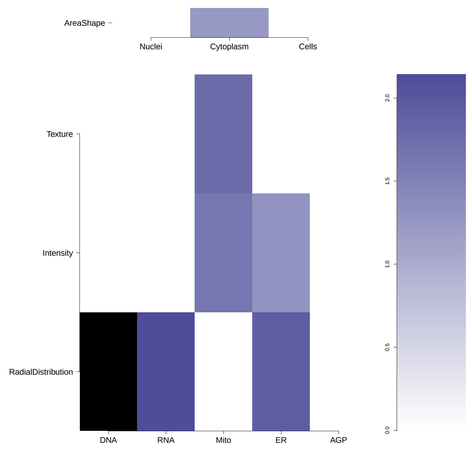
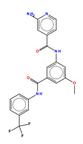
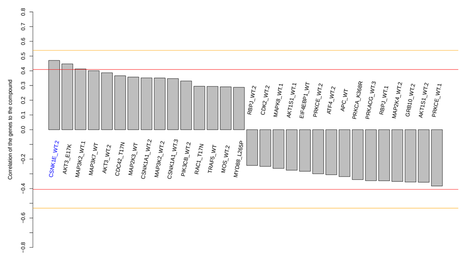
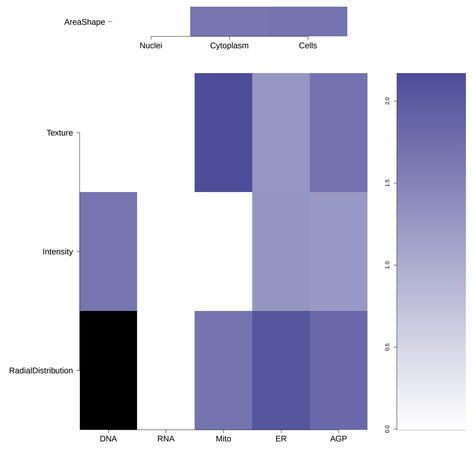
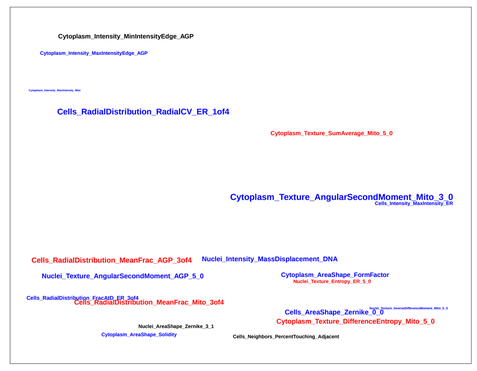
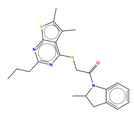
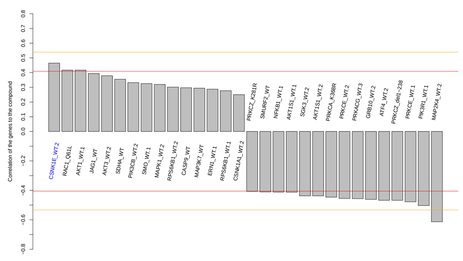
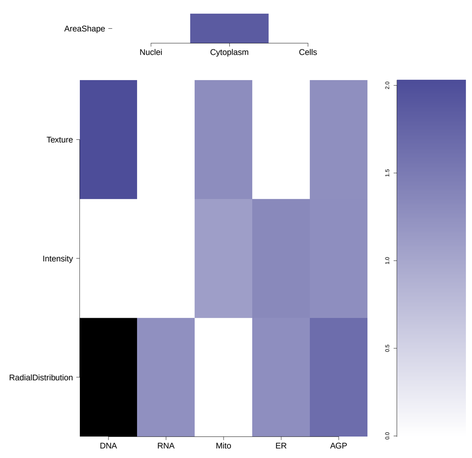
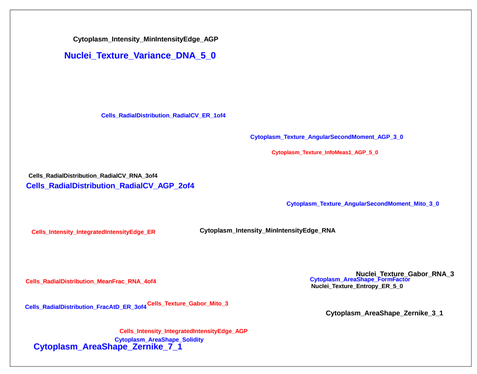
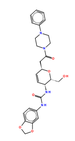
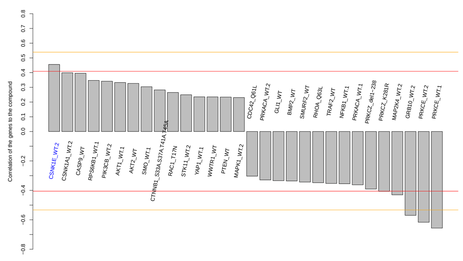
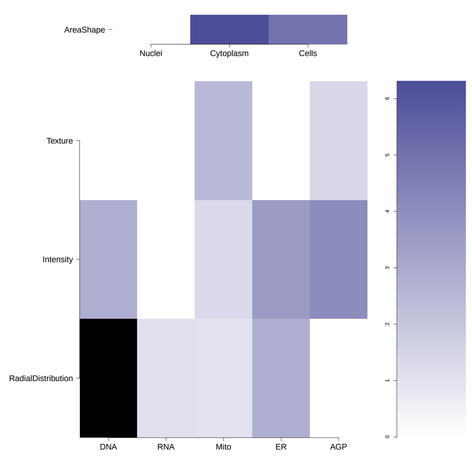
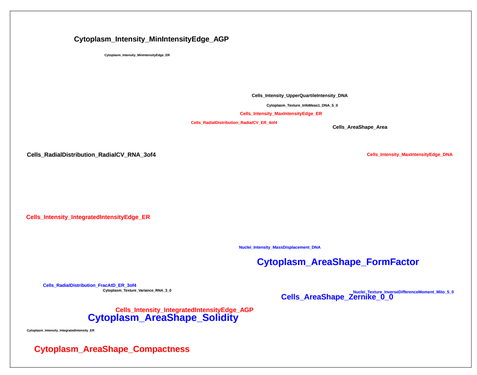
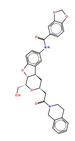
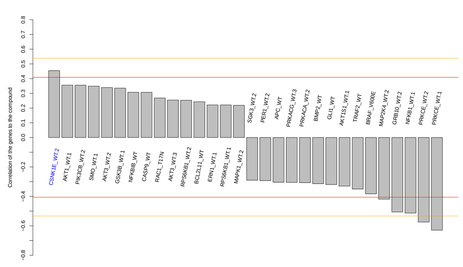
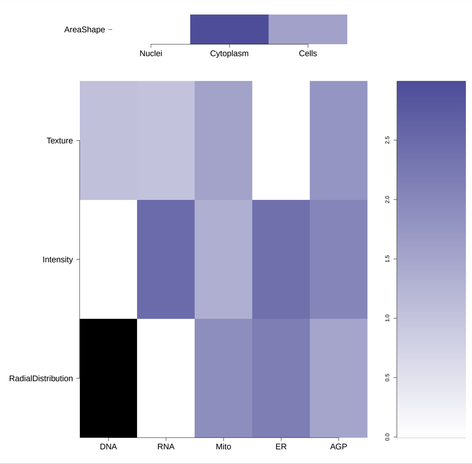
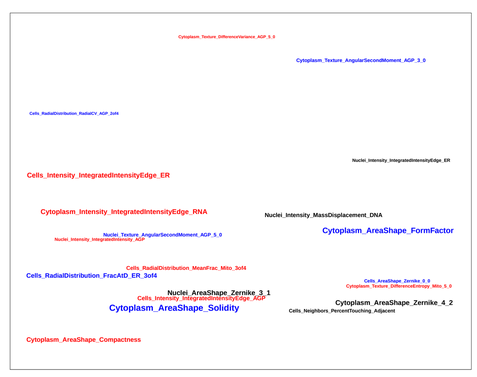


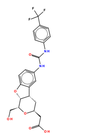
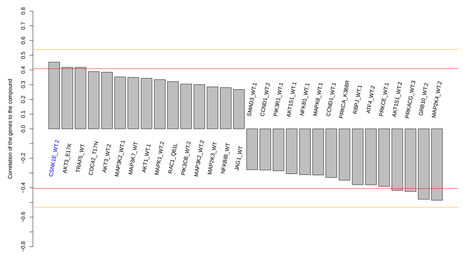
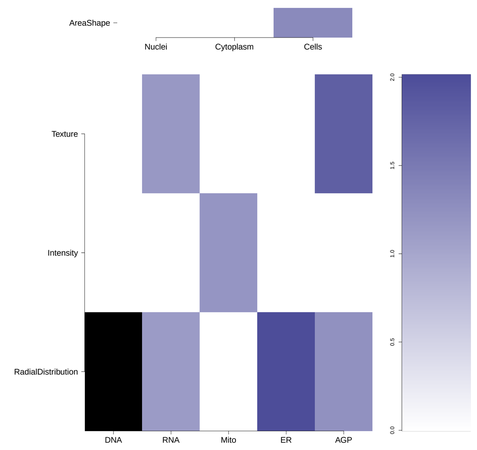
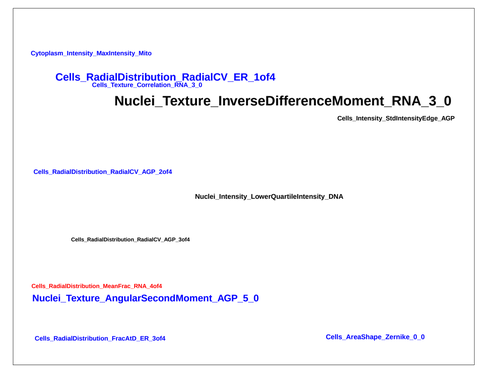
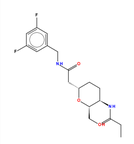
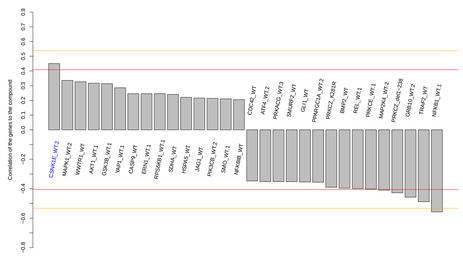
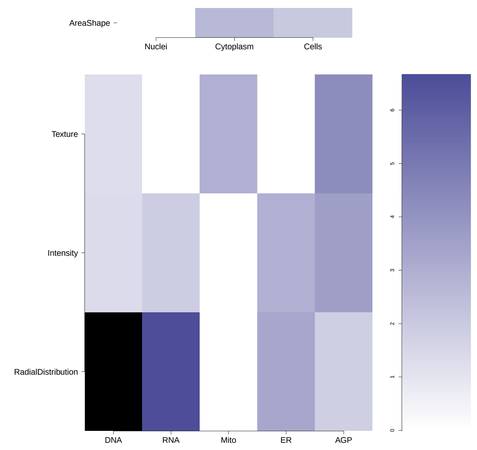
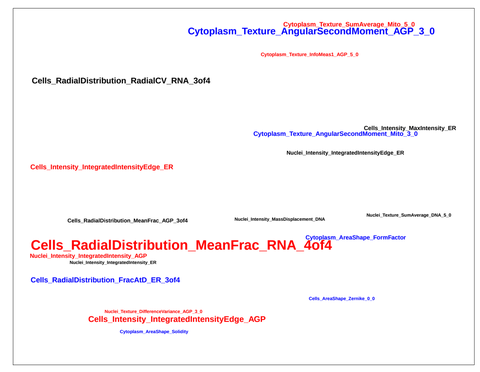
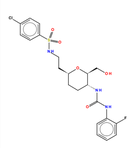
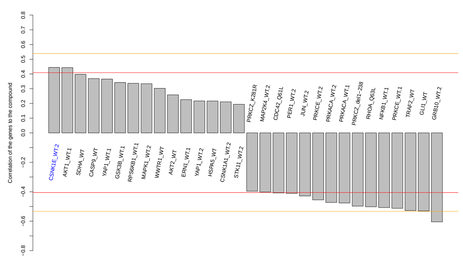
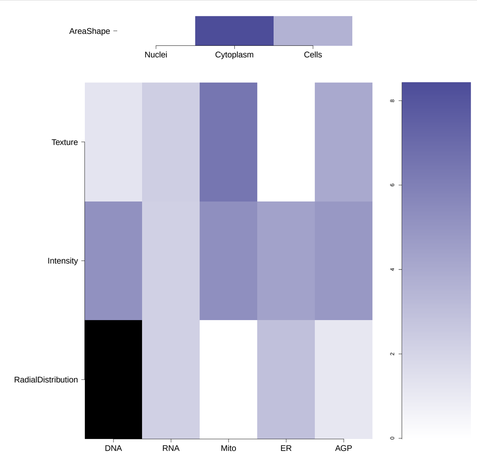
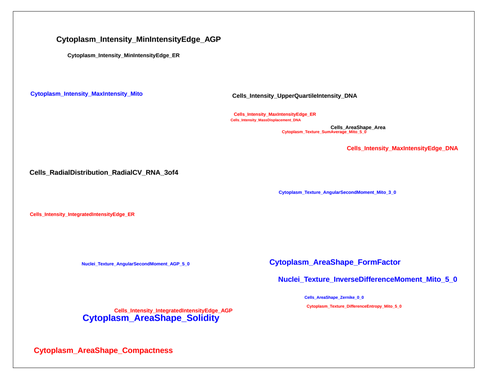
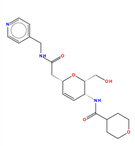
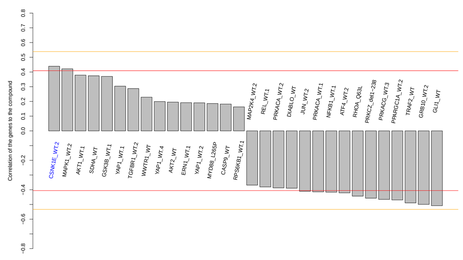
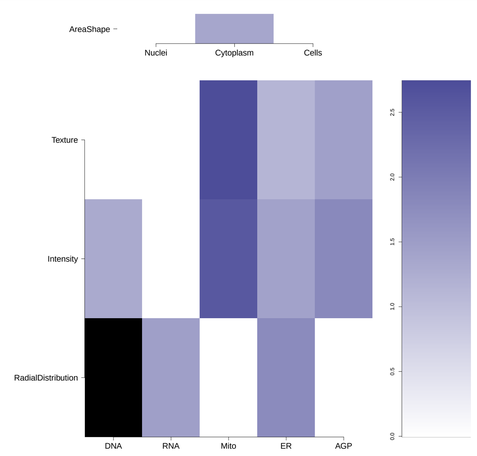
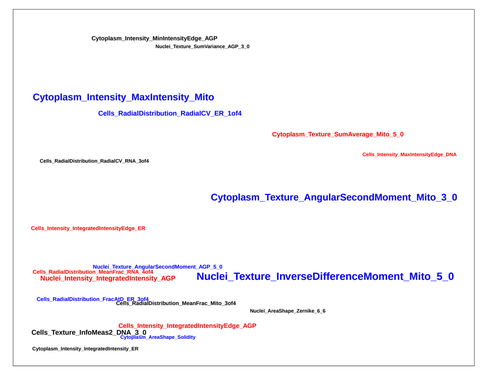
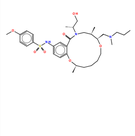
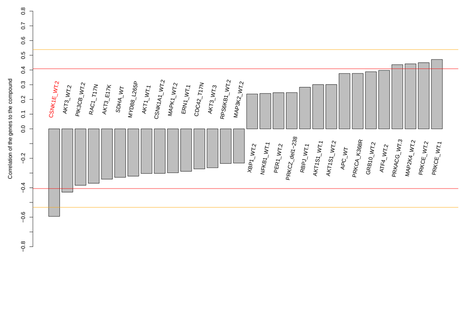
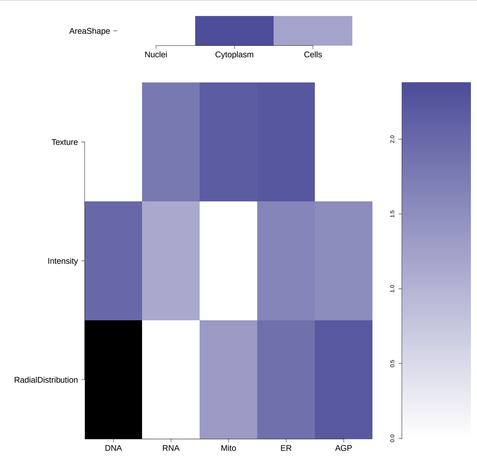
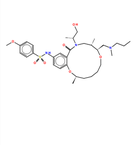
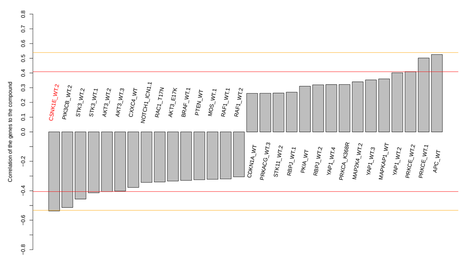
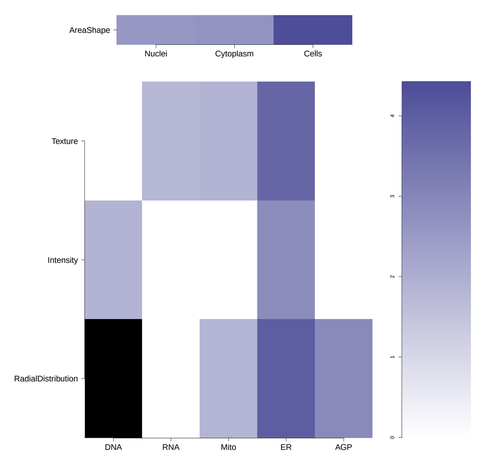
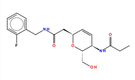
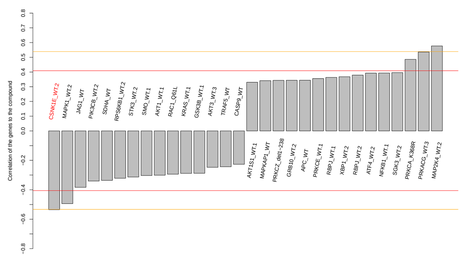
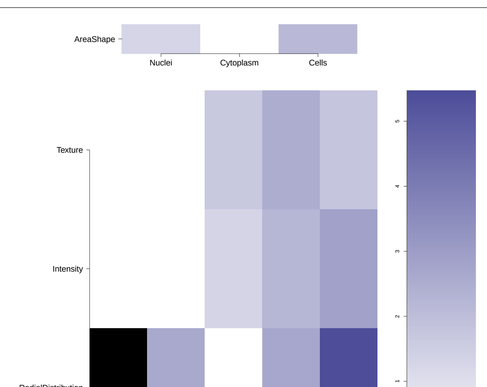
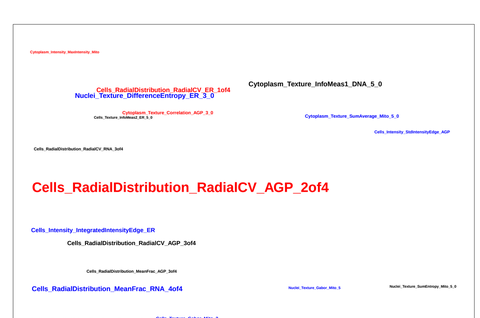
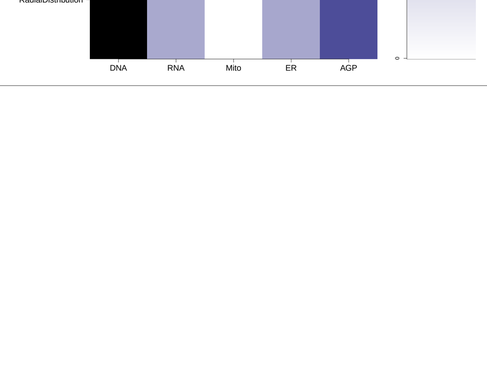
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

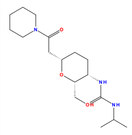
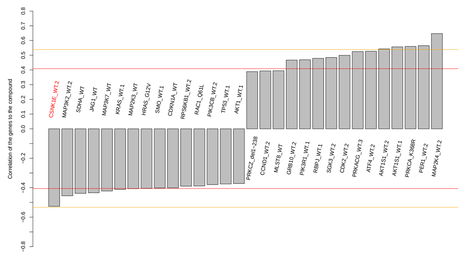
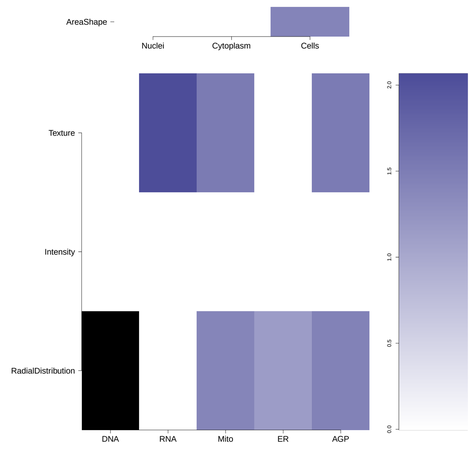
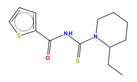
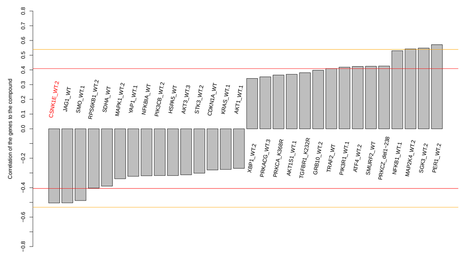
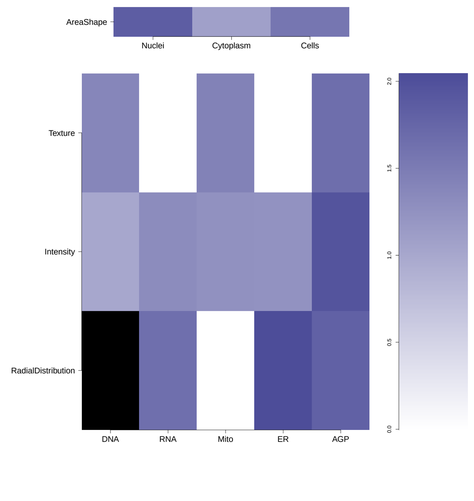


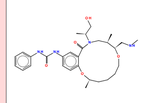
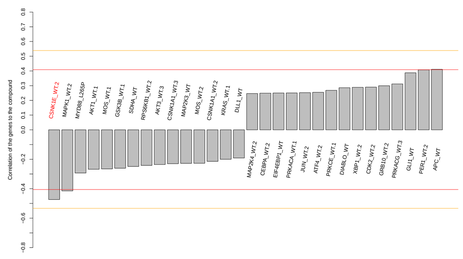
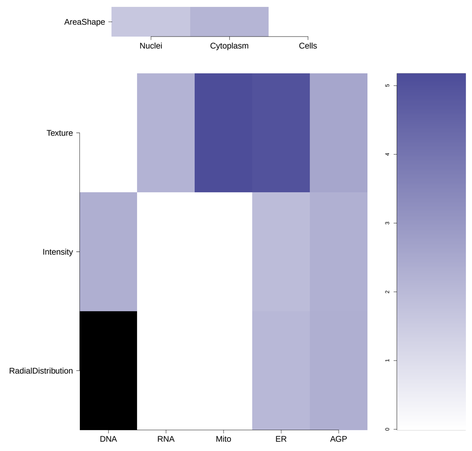
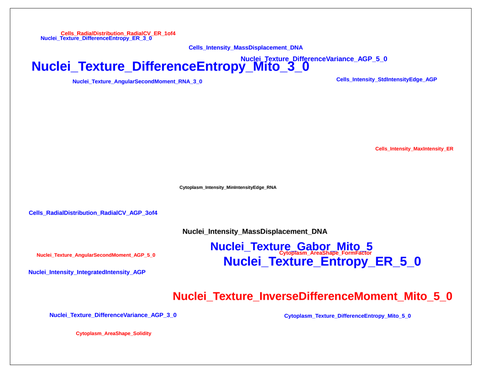
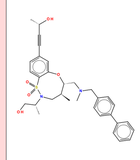
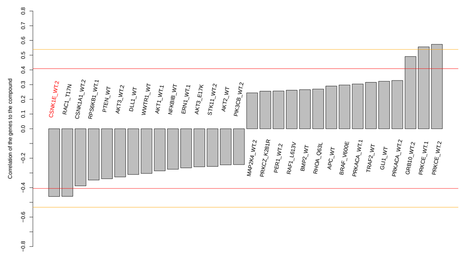
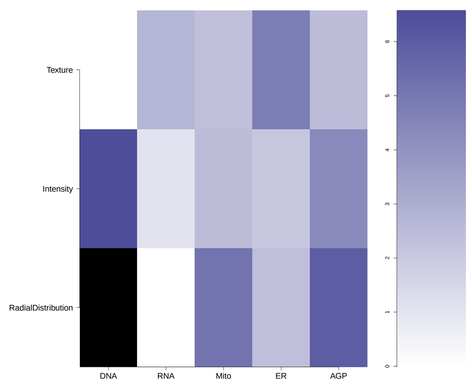
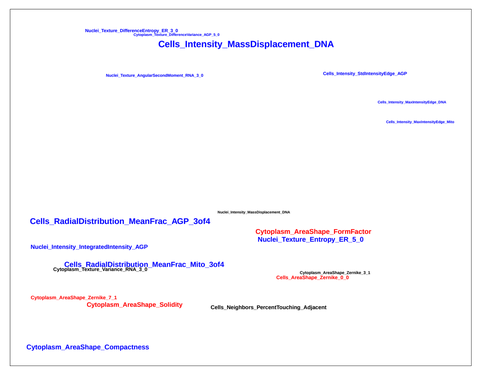
Empty	CSNK1E_WT.2 (41744)	CSNK1E_WT.2 (41755)	CSNK1E_WT.2 (41756)	CSNK1E_WT.2 (41757)	CSNK1E_WT.2 (41754)
RNA						
Mito						

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-K22253301-001-01-8 PubChem CID : 54645969		NA (in 1 replicates)	0.51	0.588				Total number of assays tested in: 41. Active in the following assays: • Inhibition of T.cruzi proliferation in culture Measured in Cell-Based System Using Plate Reader - 2138-01_Inhibitor_SinglePoint_HTS_Activity (AID 624255) • Inhibition of T.cruzi proliferation in culture Measured in Cell-Based System Using Plate Reader - 2138-01_Inhibitor_SinglePoint_CherryPick_Activity (AID 651739)
BRD-K36913136-001-04-6 SMR000095943 AC1NSFI7 MLS000119004 HMS2252B24 PubChem CID : 5308793		0.59 (in 2 replicates)	0.51	NA				Total number of assays tested in: 817. Active in the following assays: • CYP2C9 Assay (AID 777) • qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • 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)
BRD-K03370561-001-06-7 MLS000911503 SMR000453553 PubChem CID : 16745815		0.53 (in 4 replicates)	0.47	0.083				Total number of assays tested in: 547. Active in the following assays: • uHTS of Mcl-1/Bid interaction inhibitors (AID 1021) • Dose Response Confirmation for Mcl-1/Bid Interaction Inhibitors (AID 1418) • qHTS for Inhibitors of Tau Fibril Formation, Fluorescence Polarization (AID 1468) • qHTS Assay for Inhibitors of Human Jumonji Domain Containing 2E (JMJD2E) (AID 2147) • Luminescence Cell-Based Primary HTS to Identify Inhibitors of Cancer Stem Cells (AID 2717) • Luminescence Cell-Based Dose Retest to Confirm Inhibitors of Cancer Stem Cells (AID 449748) • Dose Response HTS Screen to Identify Cytotoxic Compounds of HMLE.sh.eGFP (AID 463074) • uHTS Fluorescent assay for identification of activators of Apaf-1 (AID 489031) • qHTS Assay for Inhibitors of BAZ2B (AID 504333) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832) • 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) • 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 Antagonist of cAMP-regulated guanine nucleotide exchange factor 3 (EPAC1): primary screen (AID 720709)
BRD-A64862239-001-05-5 AC1MLMUM MLS000549745 HMS2501E09 ASN 05260372 SMR000173039 PubChem CID : 3197538		NA (in 1 replicates)	0.46	NA				Total number of assays tested in: 661. Active in the following assays: • CYP2C9 Assay (AID 777) • CYP2C19 Assay (AID 778) • qHTS Assay for Antagonists of the Neuropeptide S Receptor: cAMP Signal Transduction (AID 1461) • uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346) • uHTS fluorescent assay for identification of inhibitors of ATG4B (AID 504462) • qHTS for inhibitors of binding or entry into cells for Marburg Virus (AID 540276) • Single concentration counterscreen of uHTS hits for ATG4B inhibitors in a Phospholipase A2 assay (AID 588402)
BRD-K53357510-001-01-6 PubChem CID : 54641278		NA (in 1 replicates)	0.46	NA				Total number of assays tested in: 40.
BRD-K59830209-001-01-2 PubChem CID : 54645872		NA (in 1 replicates)	0.45	0.588				Total number of assays tested in: 44. Active in the following assays: • HTS for YAP1 pathway inhibitors in DLD1 colon cancer cell line measuring mRNA levels of CTGF Measured in Cell-Based System Using RT-PCR - 7098-01_Inhibitor_SinglePoint_HTS_Activity (AID 743449)

BRD-K43786699-001-01-2 PubChem CID : 54646106		NA (in 1 replicates)	0.45	0.103				Total number of assays tested in: 41.
BRD-K40048343-001-01-0 PubChem CID : 54641179		0.59 (in 2 replicates)	0.45	NA				Total number of assays tested in: 40.
BRD-K30048461-001-01-8 PubChem CID : 54641129		NA (in 1 replicates)	0.44	NA				Total number of assays tested in: 37.
BRD-K11700411-001-01-8 PubChem CID : 54639845		0.75 (in 4 replicates)	0.44	0.254				Total number of assays tested in: 36.
BRD-K60093216-001-01-5 PubChem CID : 44486428		0.58 (in 4 replicates)	-0.59	0.933				Total number of assays tested in: 44. Active in the following assays: • mutant P53 Measured in Biochemical System Using Small Molecule MicroArray - 2077-01_Other_SinglePoint_HTS_Activity (AID 624136)
BRD-K57293132-001-01-7 PubChem CID : 44485655		0.74 (in 4 replicates)	-0.54	0.412				Total number of assays tested in: 46. 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-K29205927-001-01-5 PubChem CID : 54641075		NA (in 1 replicates)	-0.53	NA				Total number of assays tested in: 44. Active in the following assays: • mutant P53 Measured in Biochemical System Using Small Molecule MicroArray - 2077-01_Other_SinglePoint_HTS_Activity (AID 624136)
BRD-K60093216-001-01-5 PubChem CID : 44486428		0.58 (in 4 replicates)	-0.59	0.933				Total number of assays tested in: 44. Active in the following assays: • mutant P53 Measured in Biochemical System Using Small Molecule MicroArray - 2077-01_Other_SinglePoint_HTS_Activity (AID 624136)
BRD-K57293132-001-01-7 PubChem CID : 44485655		0.74 (in 4 replicates)	-0.54	0.412				Total number of assays tested in: 46. 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-K29205927-001-01-5 PubChem CID : 54641075		NA (in 1 replicates)	-0.53	NA				Total number of assays tested in: 38.

BRD-K42358458-001-01-2 PubChem CID : 54641226		NA (in 1 replicates)	-0.53	NA				Total number of assays tested in: 37.
BRD-A30776477-001-04-2 MLS001018029 SMR000354206 T0507-7513 AC1MEWM5 BDBM54030 HMS2637D21 HMS3364H02 VU0286832-3 VU0286832-4 VU0286832-5 VU0410476-1 PubChem CID : 2910188		NA (in 1 replicates)	-0.50	NA				Total number of assays tested in: 583. Active in the following assays: • Inhibitors of Plasmodium falciparum M1- Family Alanyl Aminopeptidase (M1AAP) (AID 1445) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Primary Screen (AID 1456) • Primary cell-based high-throughput screening assay for identification of compounds that protect hERG from block by proarrhythmic agents (AID 1511) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay with KCC2 cells (AID 1713) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay 3 with KCC2 cells (AID 1714) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay 2 with KCC2 cells (AID 1715) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counterscreen with HEK cells (AID 1716) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Retesting of KCC2 cells with Ouabain (AID 1717) • Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counterscreen 2 with HEK cells (AID 1718) • Confirmatory screen for compounds that protect hERG from block by proarrhythmic agents (AID 1835) • Confirmation Dose Response screen for compounds that protect hERG from block by proarrhythmic agents (AID 2121) • VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) • Screening compounds that protect hERG from block by proarrhythmic agents using manual patch clamp (AID 2605) • Dosage response for compounds that protect hERG from block by proarrhythmic agents using manual patch clamp (AID 2638) • Primary cell-based high-throughput screening assay for identification of compounds that potentiate/activate KCNQ1 potassium channels (AID 2648) • Counter screen assay of the parental CHO cells for identification of compounds that potentiate KCNQ1 potassium channels (AID 493006) • Validation assay for identification of compounds that potentiate KCNQ1 potassium channels (AID 493007) • Specificity screen assay against KCNQ2 for identification of compounds that potentiate KCNQ1 potassium channels (AID 493009)
BRD-K24992843-001-01-4 PubChem CID : 44488752		0.78 (in 4 replicates)	-0.50	NA				• HIV entry: Env-mediated Cell Fusion Measured in Cell-Based System Using Plate Reader - 7013-01_Inhibitor_SinglePoint_HTS_Activity (AID 651610) • HTS for the detection of C. neoformans cell lysis via adenylate kinase (AK) release Measured in Microorganism System Using Plate Reader - 2162-01_Inhibitor_SinglePoint_HTS_Activity (AID 651654) • HIV entry: Env-mediated Cell Fusion Measured in Cell-Based System Using Plate Reader - 7013-01_Inhibitor_Dose_CherryPick_Activity (AID 652057) • HIV-1 Cell Fusion assay for clade B Env AD8 Measured in Cell-Based System Using Plate Reader - 7013-04_Inhibitor_Dose_CherryPick_Activity (AID 652062) • HEK293 Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 7071-01_Inhibitor_Dose_CherryPick_Activity (AID 687005) • HIV entry: Env-mediated Cell Fusion Measured in Cell-Based System Using Plate Reader - 7013-01_Inhibitor_Dose_DryPowder_Activity (AID 687023) • HEK293 Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 7071-01_Inhibitor_Dose_CherryPick_Activity_Set2 (AID 720491)
BRD-K72424071-001-01-2 PubChem CID : 44494593		0.69 (in 4 replicates)	-0.50	0.205				Total number of assays tested in: 45.
BRD-K34573818-001-01-1 PubChem CID : 49843183		0.67 (in 4 replicates)	-0.48	0.407				Total number of assays tested in: 37.

BRD-K76482408-001-01-0 PubChem CID : 44489344		0.55 (in 4 replicates)	-0.47	0.770				Total number of assays tested in: 45.
BRD-K21509488-001-01-9 PubChem CID : 54618942		0.81 (in 3 replicates)	-0.46	0.809				Total number of assays tested in: 57. Active in the following assays: • Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01_Activator_SinglePoint_HTS_Activity (AID 623901) • Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01_Activator_Dose_CherryPick_Activity (AID 651956) • MLPCN SirT-5 Measured in Biochemical System Using Imaging - 7044-01_Inhibitor_SinglePoint_HTS_Activity_Set5 (AID 652115) • HTS for PAX8 inhibitors using PAX8 luciferase reporter gene assay in RMG-I cells Measured in Cell-Based System Using Plate Reader - 7054-01_Inhibitor_SinglePoint_HTS_Activity (AID 652154) • HTS for PAX8 inhibitors using PAX8 luciferase reporter gene assay in RMG-I cells Measured in Cell-Based System Using Plate Reader - 7054-01_Inhibitor_Dose_CherryPick_Activity (AID 687027) • Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 2144-02_Activator_Dose_CherryPick_Activity (AID 720690) • Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 2144-02_Inhibitor_Dose_CherryPick_Activity_Set2 (AID 720697) • HEK293 Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 7071-01_Inhibitor_Dose_DryPowder_Activity_Set17_2142 (AID 977615) • HepG2 Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 7071-02_Inhibitor_Dose_DryPowder_Activity_Set14_2142 (AID 977616) • A549 Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 7071-06_Inhibitor_Dose_DryPowder_Activity_Set13_2142 (AID 977617) • A549 24 hour CellTiterGlo cytotoxicity Measured in Cell-Based System Using Plate Reader - 2142-02_Inhibitor_Dose_CherryPick_Activity (AID 1053115) • Assay for stage-specific inhibitors of Vaccinia orthopox Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2142-01_Inhibitor_Dose_DryPowder_Activity (AID 1053168) • A549 Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 7071-06_Inhibitor_Dose_DryPowder_Activity_Set17 (AID 1117284)