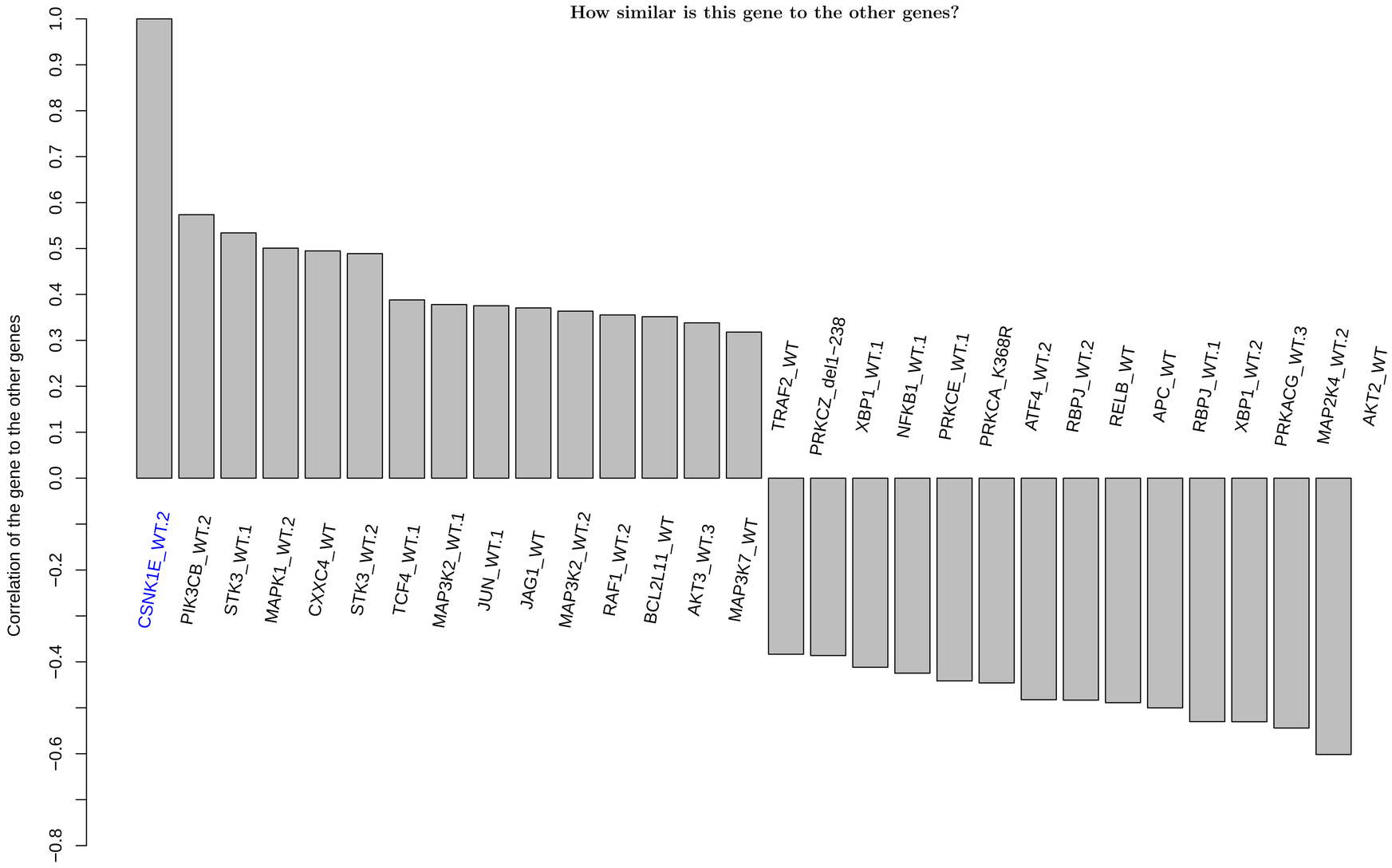
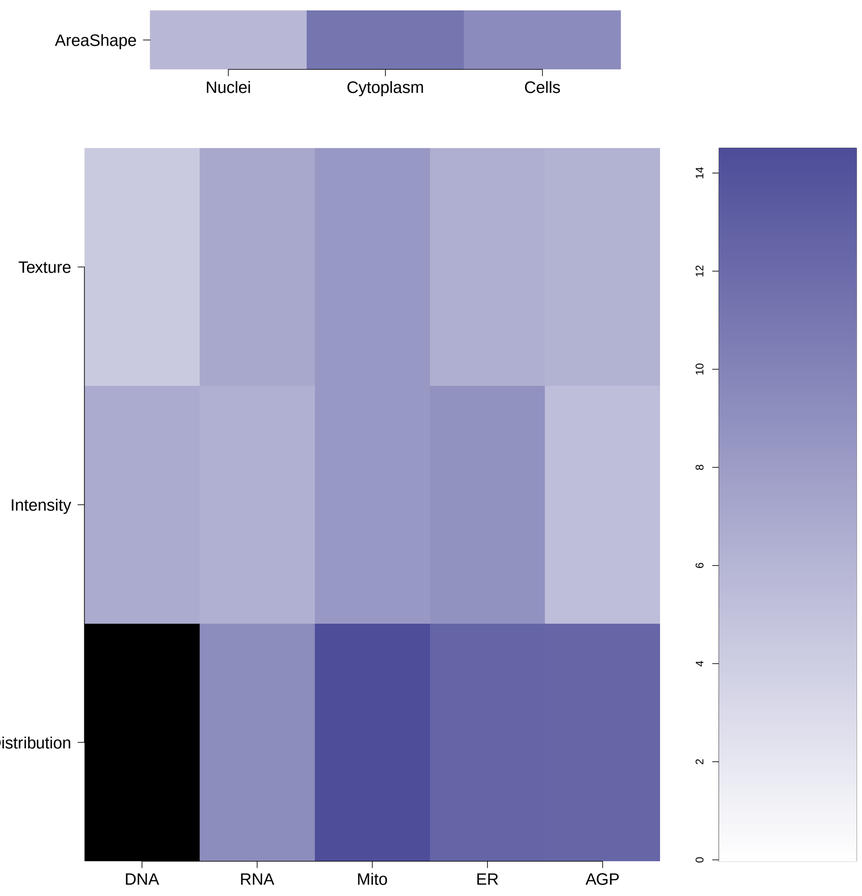
CSNK1E_WT.2 - in Canonical Circadian Rhythm

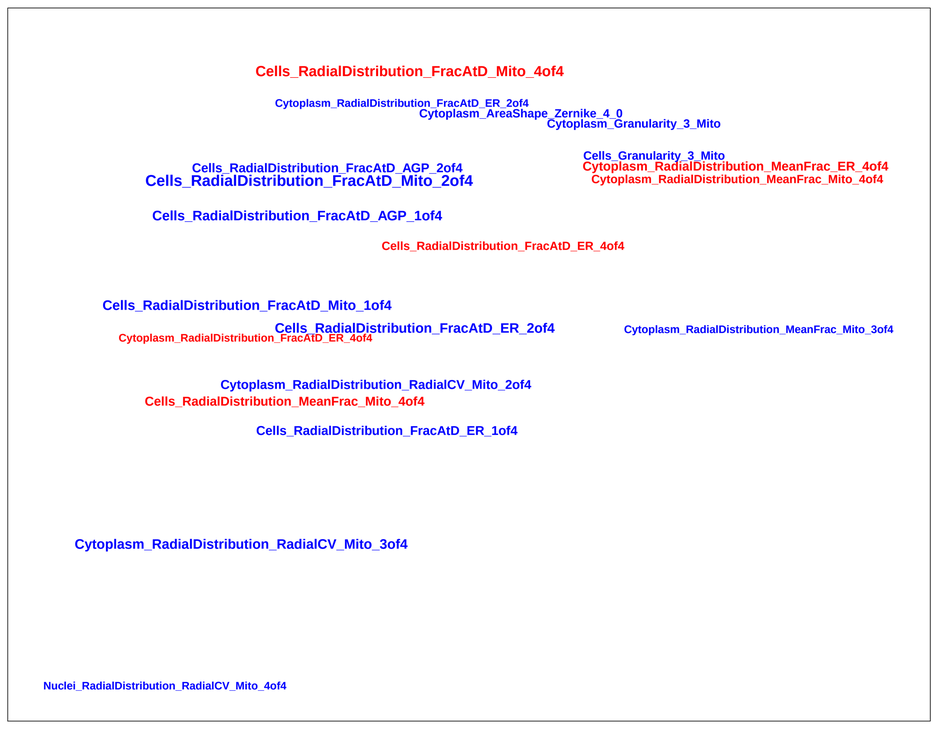
How similar is this gene to the other genes?

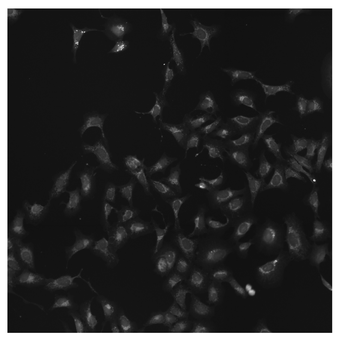
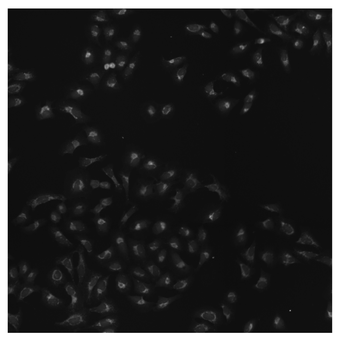
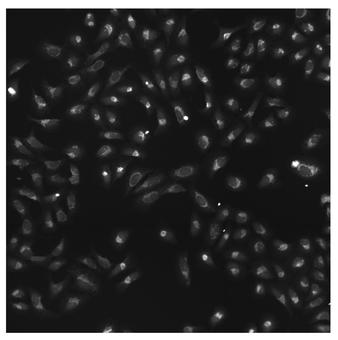
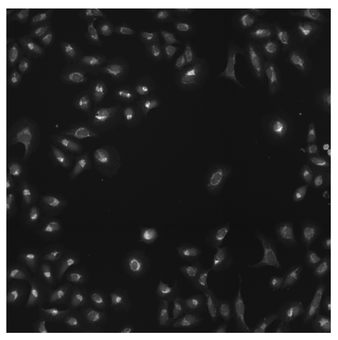
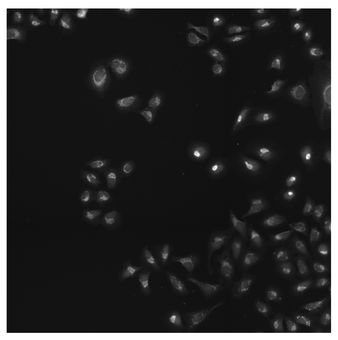
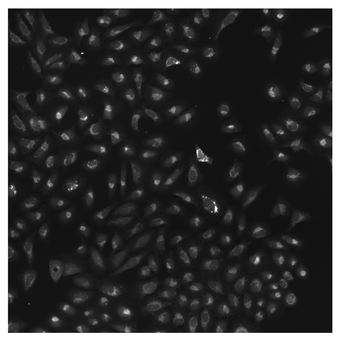
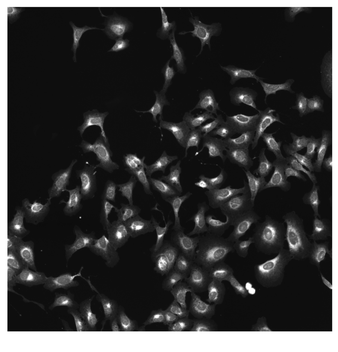
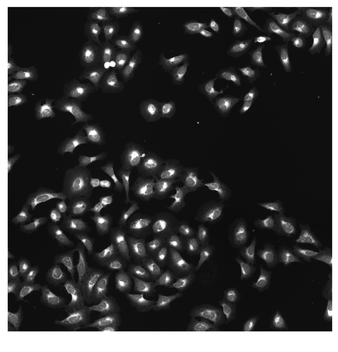
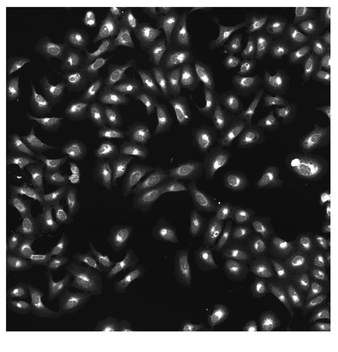
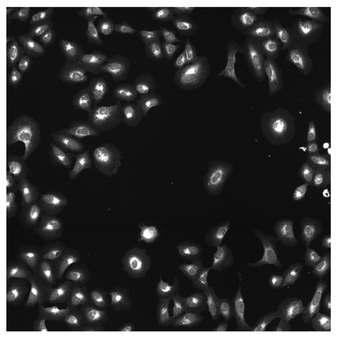
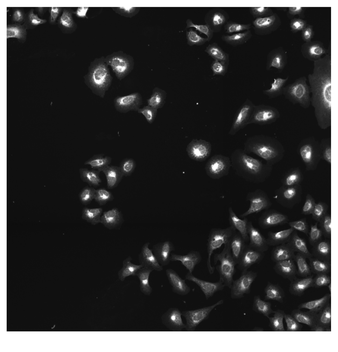
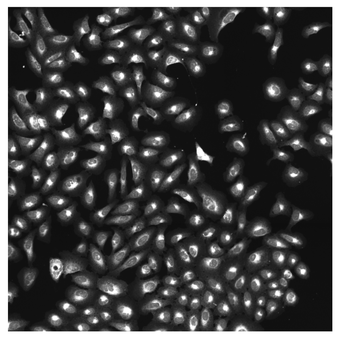


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

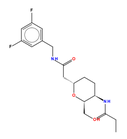
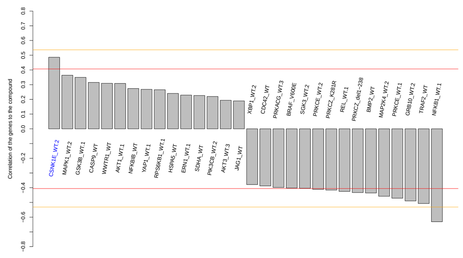
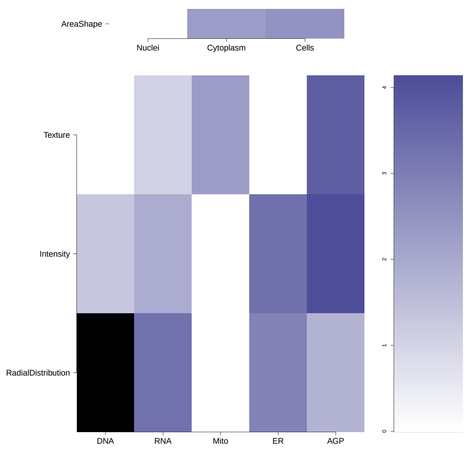
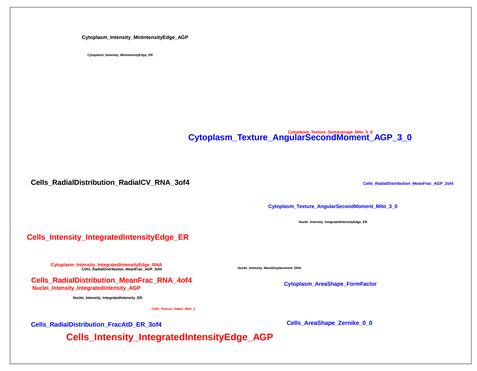
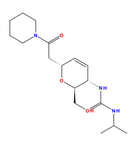
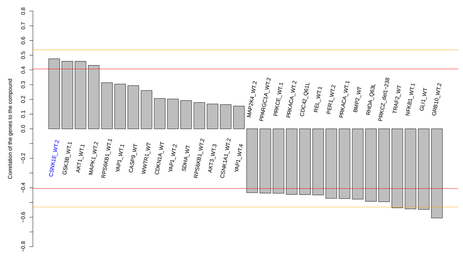
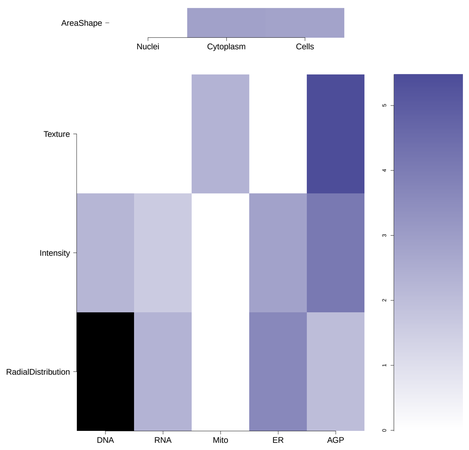
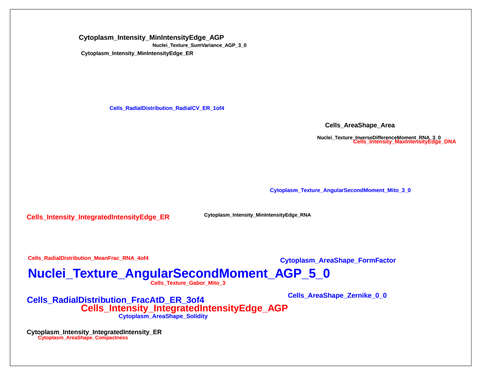
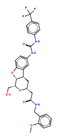
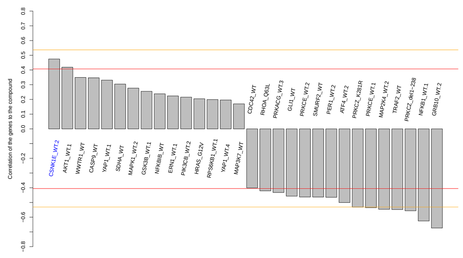
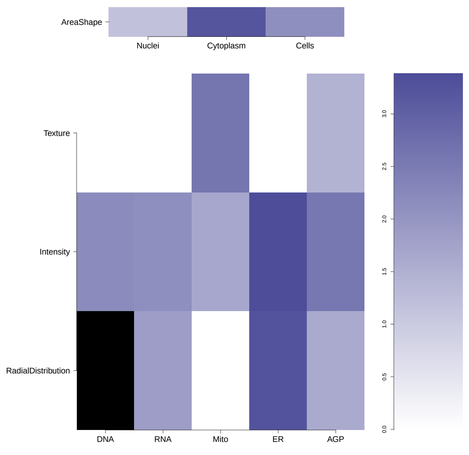
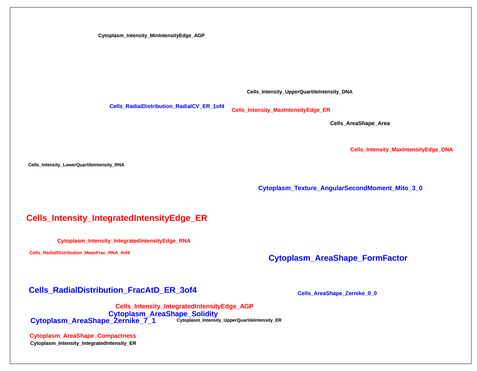
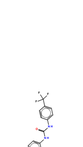
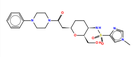
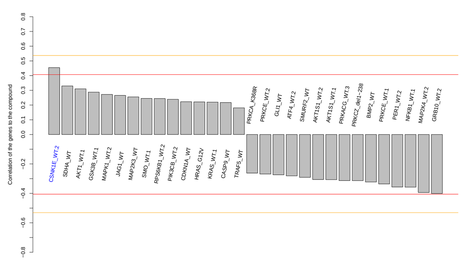
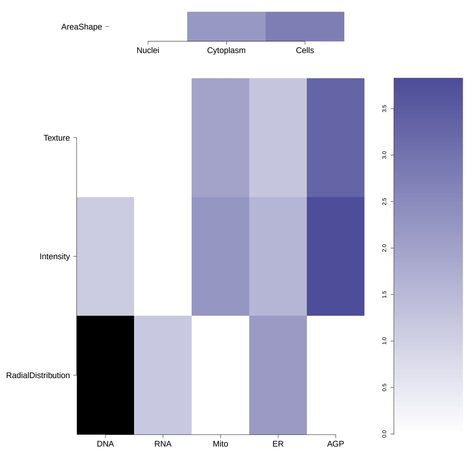
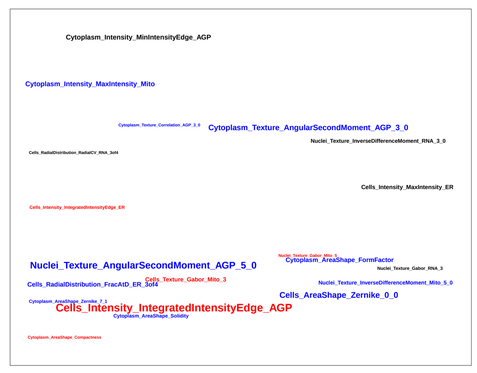
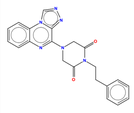
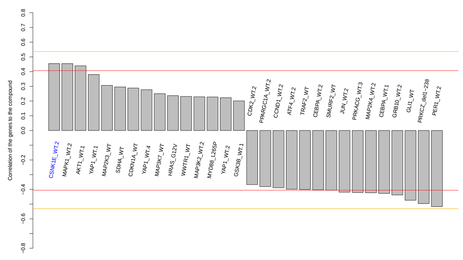
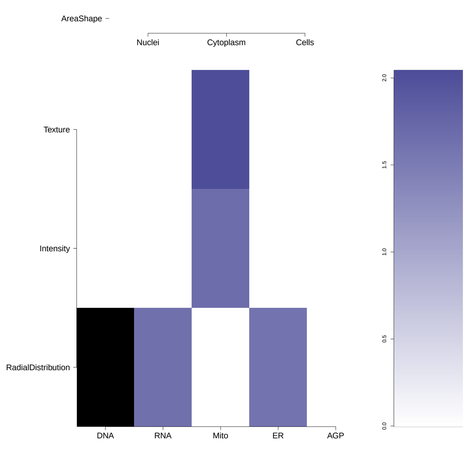


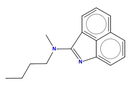
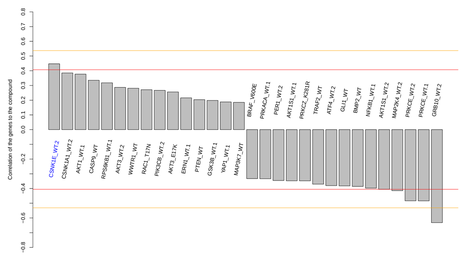
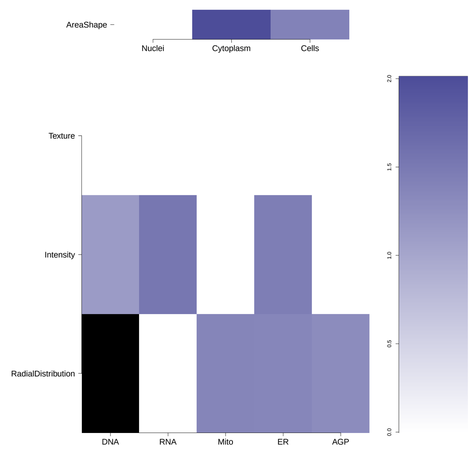
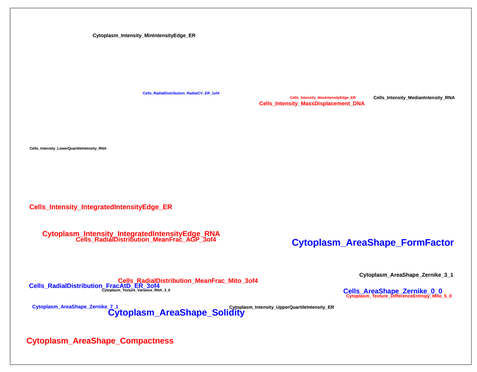
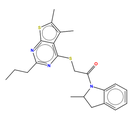
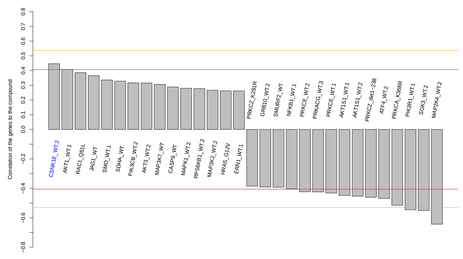
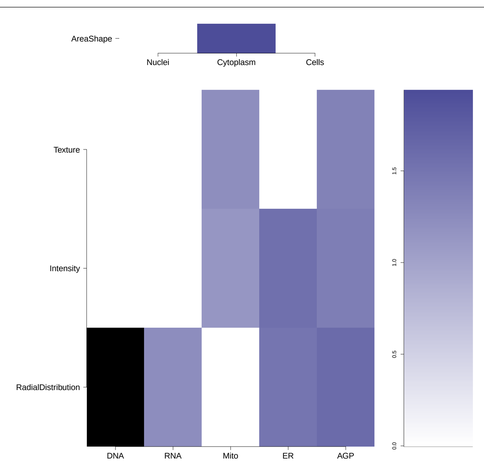
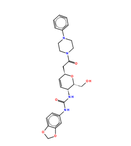
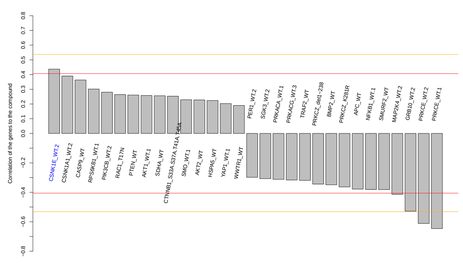
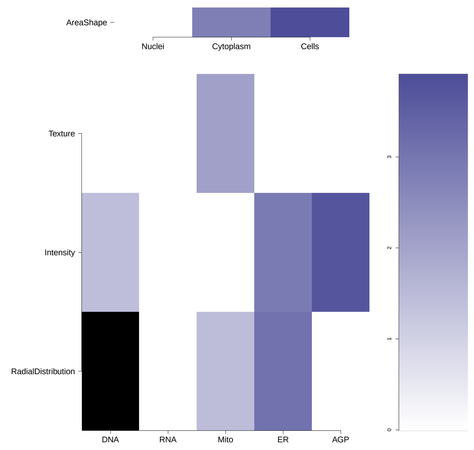
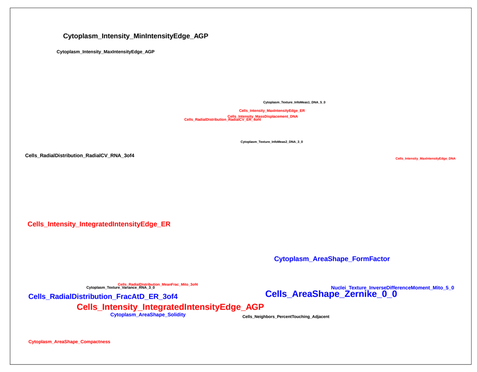
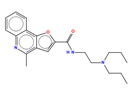
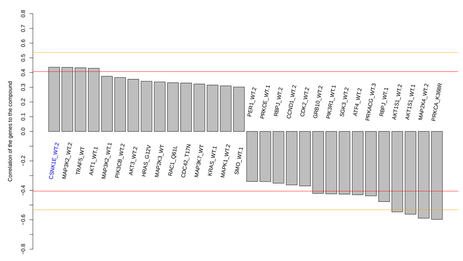
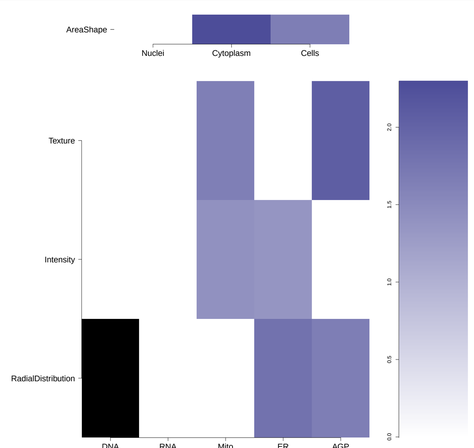
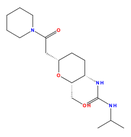
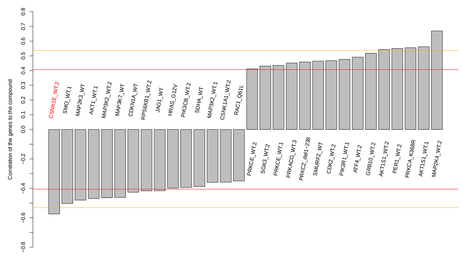
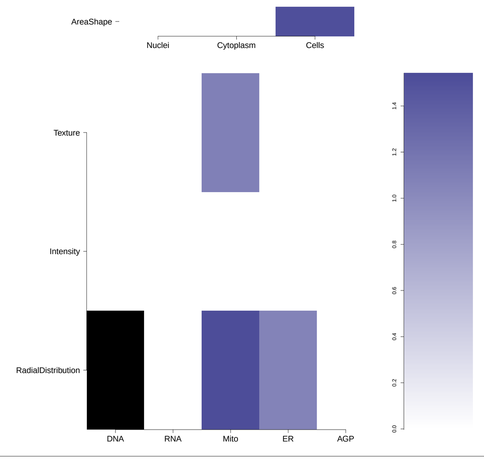
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

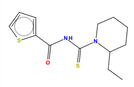
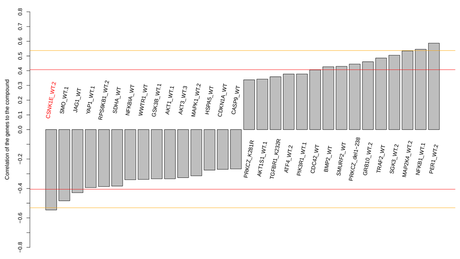
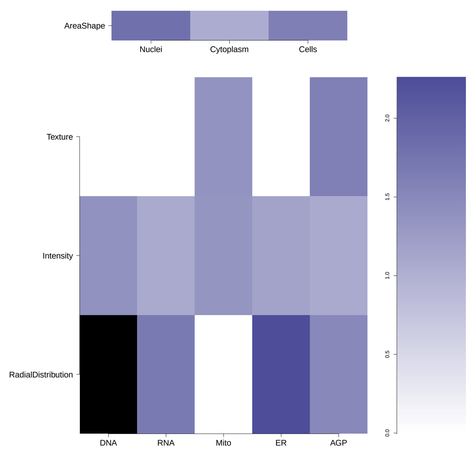
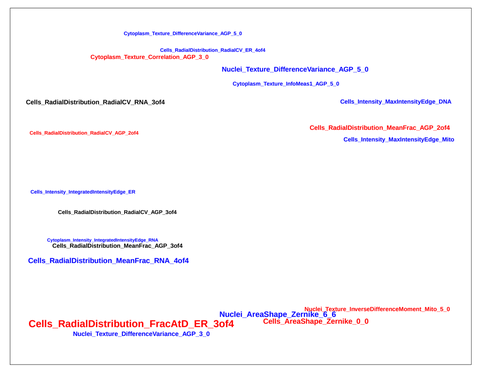
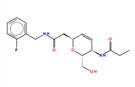
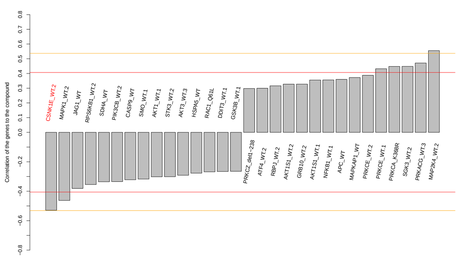
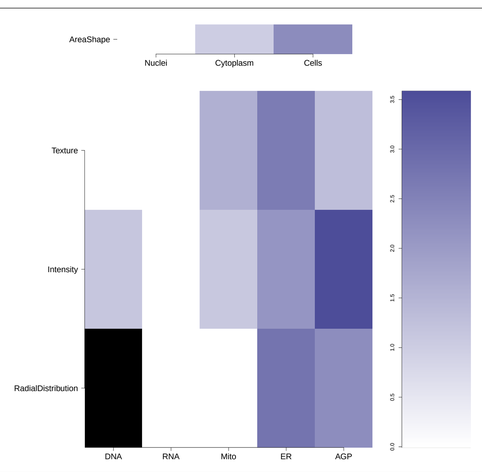
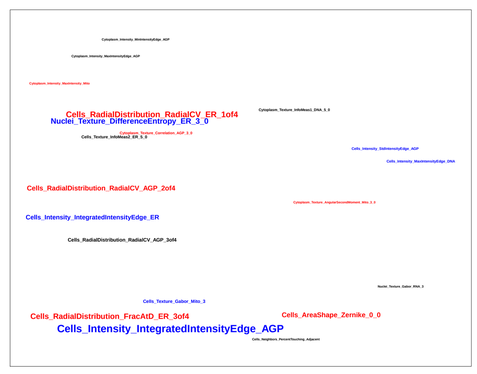
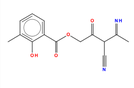
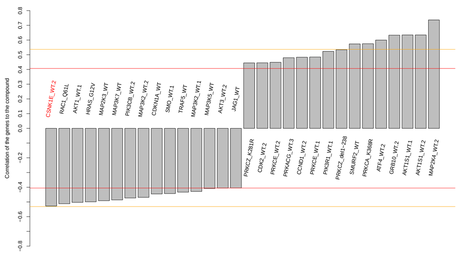
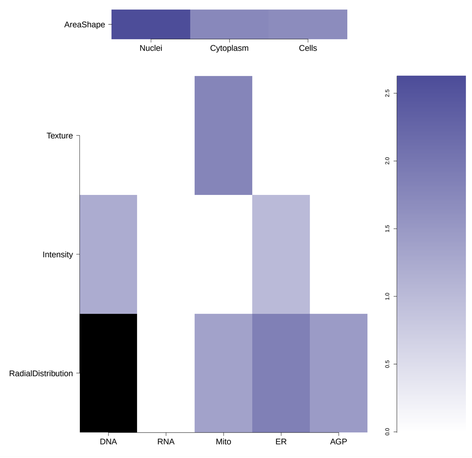
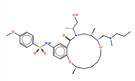
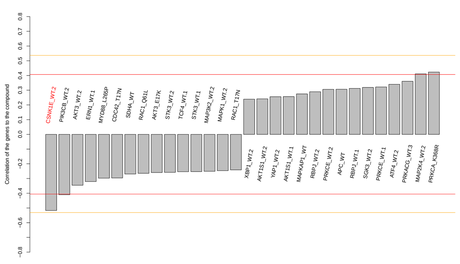
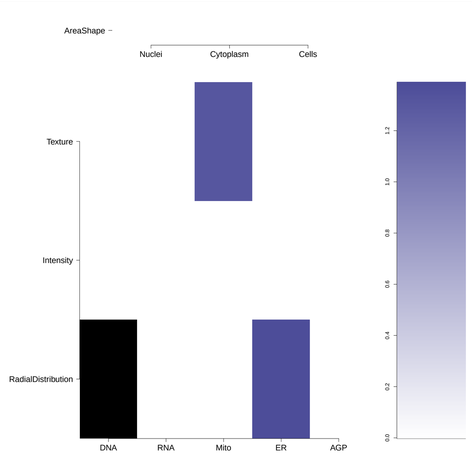
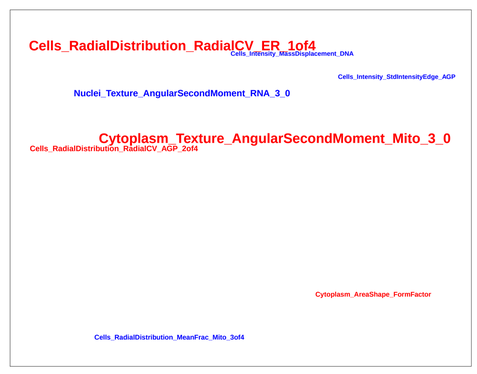
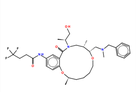
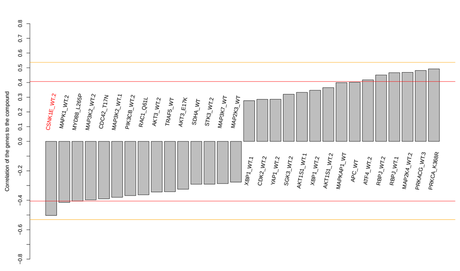
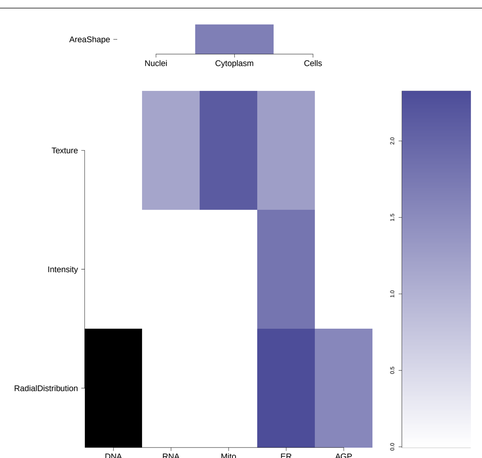
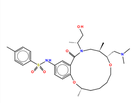
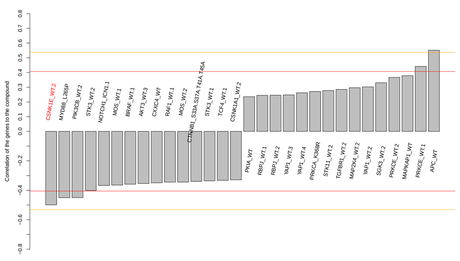
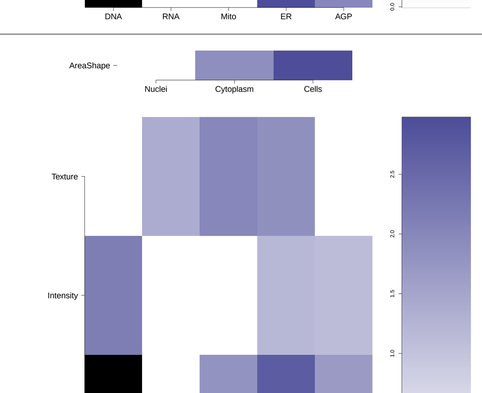


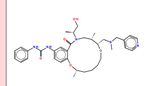
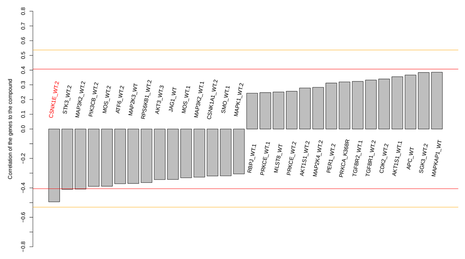
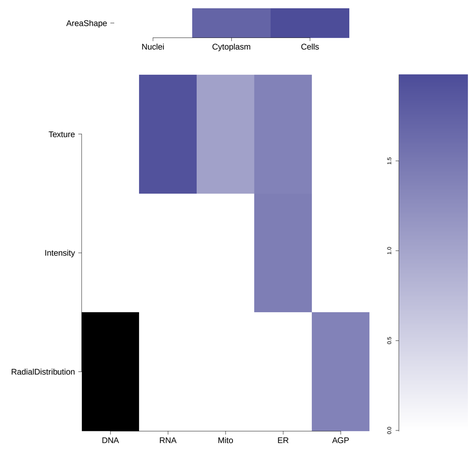
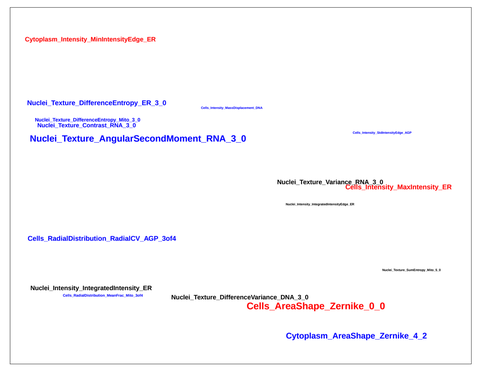
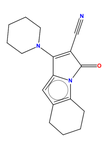
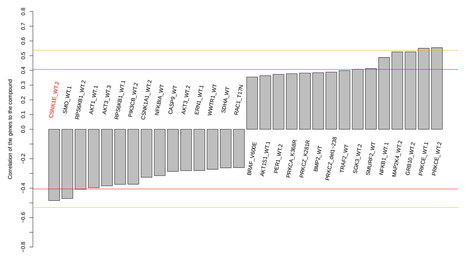
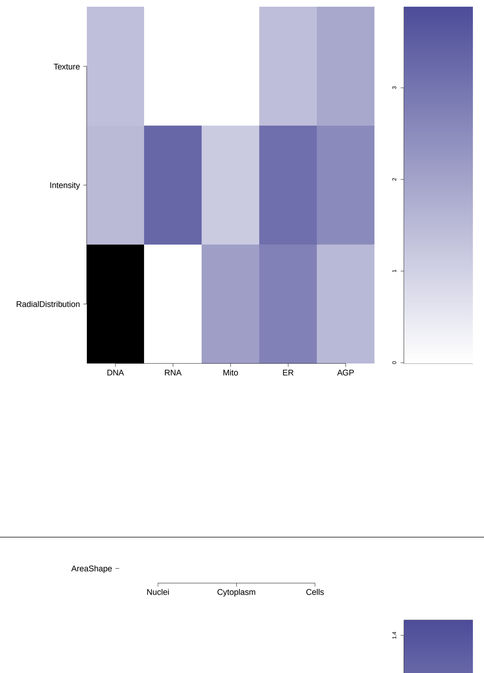
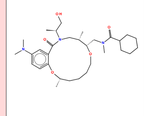
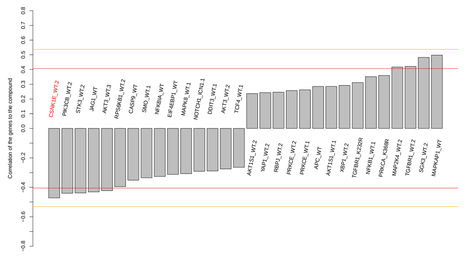
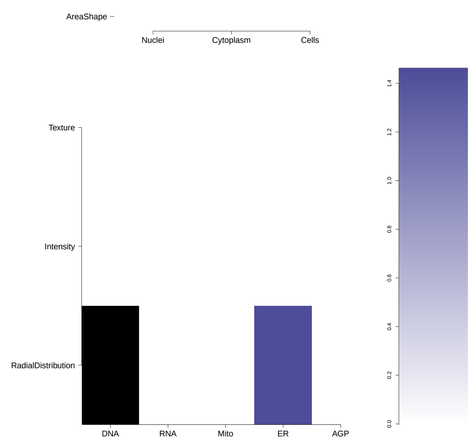
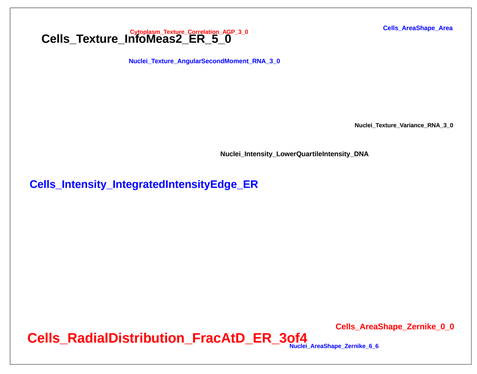
	Empty	CSNK1E_WT.2 (41744)	CSNK1E_WT.2 (41755)	CSNK1E_WT.2 (41756)	CSNK1E_WT.2 (41757)	CSNK1E_WT.2 (41754)
Mito						
ER						

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-K40048343-001-01-0 PubChem CID : 54641179		0.70 (in 2 replicates)	0.49	NA				Total number of assays tested in: 40.
BRD-K33979639-001-01-8 PubCID : 54641317		0.90 (in 2 replicates)	0.48	NA				Total number of assays tested in: 38.
BRD-K22553301-001-01-8 PubCID : 54645969		NA (in 1 replicates)	0.47	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-K03370561-001-06-7 MLS000911503 SMR000453553 PubCID : 16745815		0.53 (in 4 replicates)	0.46	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-K39341253-001-01-0 PubCID : 54641284		0.54 (in 3 replicates)	0.45	NA				Total number of assays tested in: 40.
BRD-K36913136-001-04-6 SMR000095943 AC1NSFI7 MLS000119004 HMS2252B24 PubCID : 5308793		0.56 (in 2 replicates)	0.45	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-K26636876-001-05-6 T0504-9301 ZINC03207579 AC1M5HFB MLS000536667 HMS1721D02 HMS2360G05 ZINC3207579 SMR000155553 PubChem CID : 2328852		0.66 (in 2 replicates)	0.45	NA				Total number of assays tested in: 685. Active in the following assays: • qHTS Assay for Inhibitors of RGS12 GoLoco Motif Activity (Red Fluorophore) (AID 880) • Leishmania major promastigote HTS (AID 1063) • Primary screen for compounds that inhibit Insulin promoter activity in TRM-6 cells (AID 1273) • Inhibitors of Plasmodium falciparum M1- Family Alanyl Aminopeptidase (M1AAP) (AID 1445) • uHTS absorbance assay for the identification of compounds that inhibit PHOSPHO1 (AID 1565) • High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553) • Counter screen for compounds that modulate transient receptor potential cation channel C6 (TRPC6) (AID 488924) • Specificity screen against TRPC4 for compounds that modulate transient receptor potential cation channel C6 (TRPC6) (AID 488927) • Second specificity screen against TRPC4 for compounds that modulate transient receptor potential cation channel C6 (TRPC6) (AID 488928) • Confirmatory screen for identification of compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 488960) • Assay for HTS of Gi/Go-linked GPCRs using mGluR8: Primary Screening (AID 488969) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • Confirmatory screen for compounds that activate the Choline Transporter (CHT) (AID 504833) • Counter screen assay of the parental HEK293 cells for compounds that activate the Choline Transporter (CHT) (AID 623908) • Activators of the GIRK family of Potassium Channels (GIRK1/2_Confirmatory) (AID 623911) • HTS to identify compounds that promote myeloid differentiation with MLPCN compound set (AID 624256) • uHTS identification of inhibitors of cullin neddylation in a TR-FRET assay (AID 651699) • Fluorescence Intensity-based biochemical primary high throughput screening assay to identify activators of kallikrein-7 (K7) zymogen (AID 652039) • 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-A64862239-001-05-5 AC1MLMUM MLS000549745 HMS2501E09 ASN 05260372 SMR000173039 PubChem CID : 3197538		NA (in 1 replicates)	0.45	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)	0.44	NA				Total number of assays tested in: 40.
BRD-K09721123-001-05-8 AC1MMVLK SMR000028253 MLS000045856 HMS2454F08 ZINC4034427 PubChem CID : 3245118		0.63 (in 4 replicates)	0.44	0.841				Total number of assays tested in: 782. Active in the following assays: • qHTS Assay for Spectroscopic Profiling in 4-MU Spectral Region (AID 589) • qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590) • Leishmania major promastigote HTS (AID 1063) • Primary biochemical high throughput screening assay to identify inhibitors of VIM-2 metallo-beta-lactamase (AID 1527) • Counterscreen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483) • qHTS of D3 Dopamine Receptor Antagonist: qHTS (AID 652054)
BRD-K42358458-001-01-2 PubChem CID : 54641226		NA (in 1 replicates)	-0.57	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)	-0.55	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: Counterscreen with HEK cells (AID 1716) • 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-K29205927-001-01-5 PubChem CID : 54641075		NA (in 1 replicates)	-0.53	NA				Total number of assays tested in: 38.
BRD-A02302336-001-05-9 T5228533 AC1O76PX MLS000761494 HMS2771L16 ZINC13598471 SMR000371602 PubChem CID : 6520560		NA (in 1 replicates)	-0.53	NA				Total number of assays tested in: 568. Active in the following assays: • A Cell Based HTS Approach for the Discovery of New Inhibitors of Respiratory syncytial virus (RSV) (AID 2391)
BRD-K60093216-001-01-5 PubCID : 44486428		0.54 (in 4 replicates)	-0.52	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-K39438085-001-01-8 PubCID : 44492624		0.53 (in 4 replicates)	-0.50	0.412				Total number of assays tested in: 46.
BRD-K34573818-001-01-1 PubCID : 49843183		0.66 (in 4 replicates)	-0.50	0.407				Total number of assays tested in: 37.

BRD-K24992843-001-01-4 PubChem CID : 44488752		0.79 (in 4 replicates)	-0.49	NA				Total number of assays tested in: 54. Active in the following assays: • 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) • 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-K66701278-001-06-1 ST078211 ZINC01075925 AC1LOI0G MLS000519573 HMS1551E20 HMS2188O12 ZINC1075925 STK772119 SMR000129991 PubChem CID : 1263570		NA (in 1 replicates)	-0.48	NA				Total number of assays tested in: 690. Active in the following assays: • qHTS Assay for Inhibitors of HPGD (15-Hydroxyprostaglandin Dehydrogenase) (AID 894) • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • uHTS identification of small molecule inhibitors of tim10 yeast via a luminescent assay (AID 463195) • uHTS identification of small molecule inhibitors of tim23-1 yeast via a luminescent assay (AID 463212) • Single concentration confirmation of small molecule inhibitors of tim10 yeast via a luminescent assay (AID 463215) • Single concentration confirmation of small molecule inhibitors of tim23-1 yeast via a luminescent assay (AID 463218) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • qHTS Assay for Inhibitors of BAZ2B (AID 504333) • Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human M1 muscarinic receptor (CHRM1) (AID 588852) • Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human cholinergic receptor, muscarinic 4 (CHRM4) (AID 624125) • uHTS identification of small molecule inhibitors of the catalytic domain of the SUMO protease, SENP1 in a FRET assay (AID 624204) • qHTS of TDP-43 Inhibitors (AID 652104) • qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
BRD-K79523827-001-01-1 PubChem CID : 44489305		0.55 (in 4 replicates)	-0.47	0.834				Total number of assays tested in: 29.