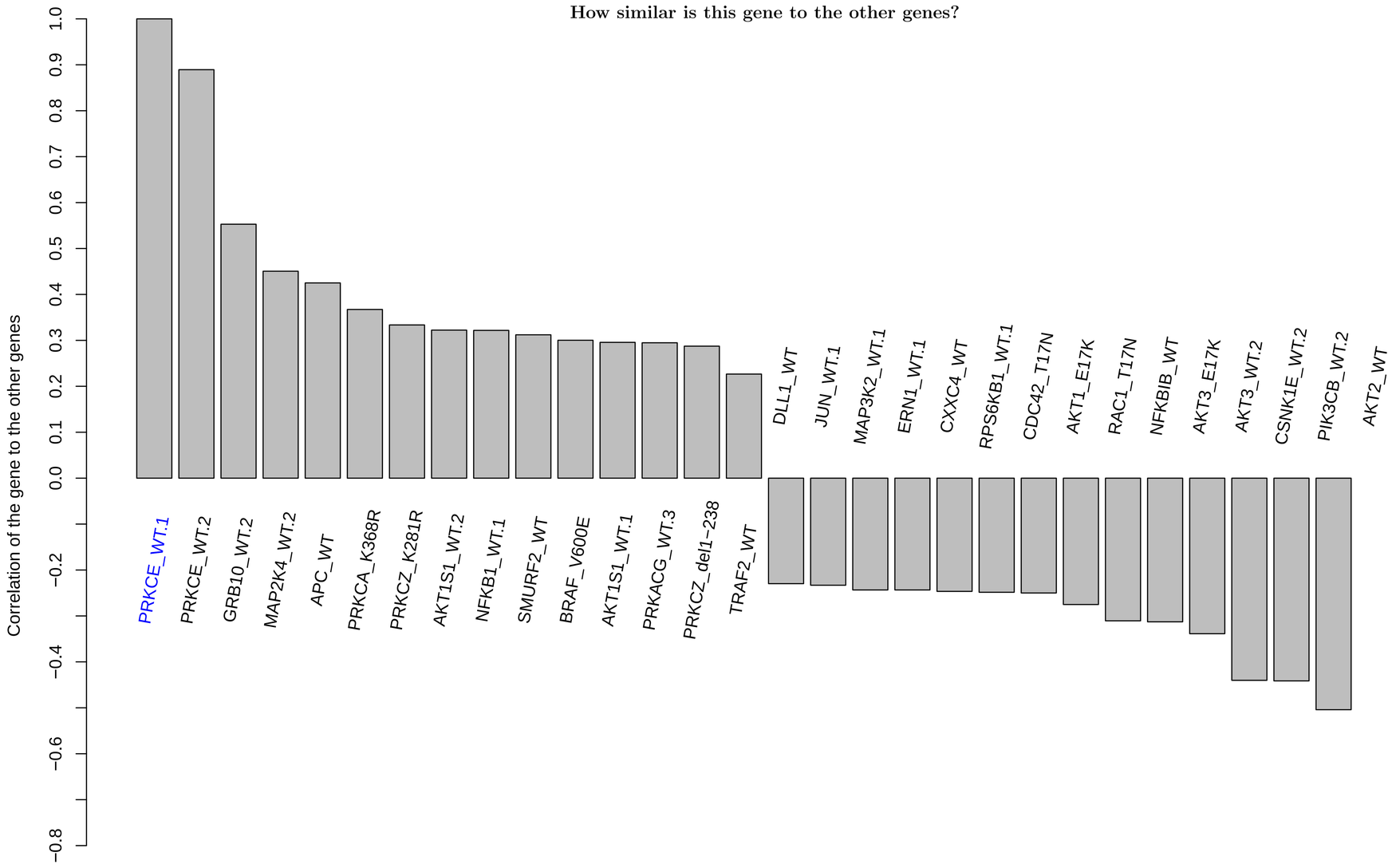
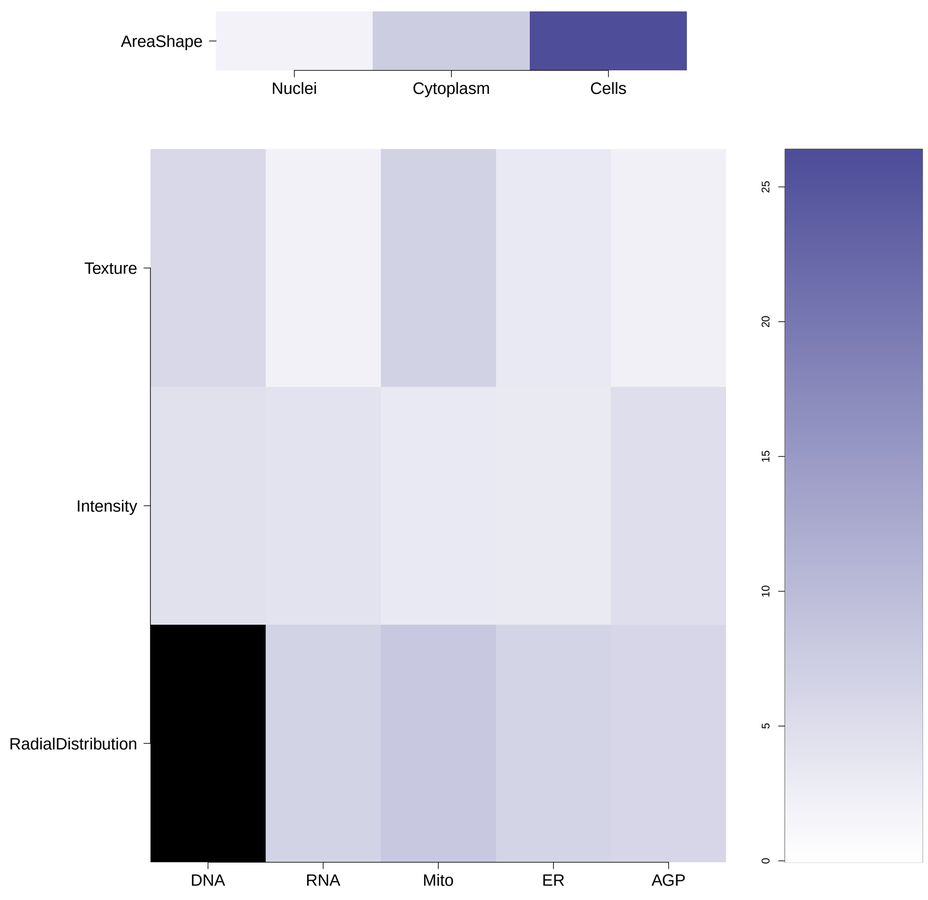
PRKCE_WT.1 - in Canonical PKC

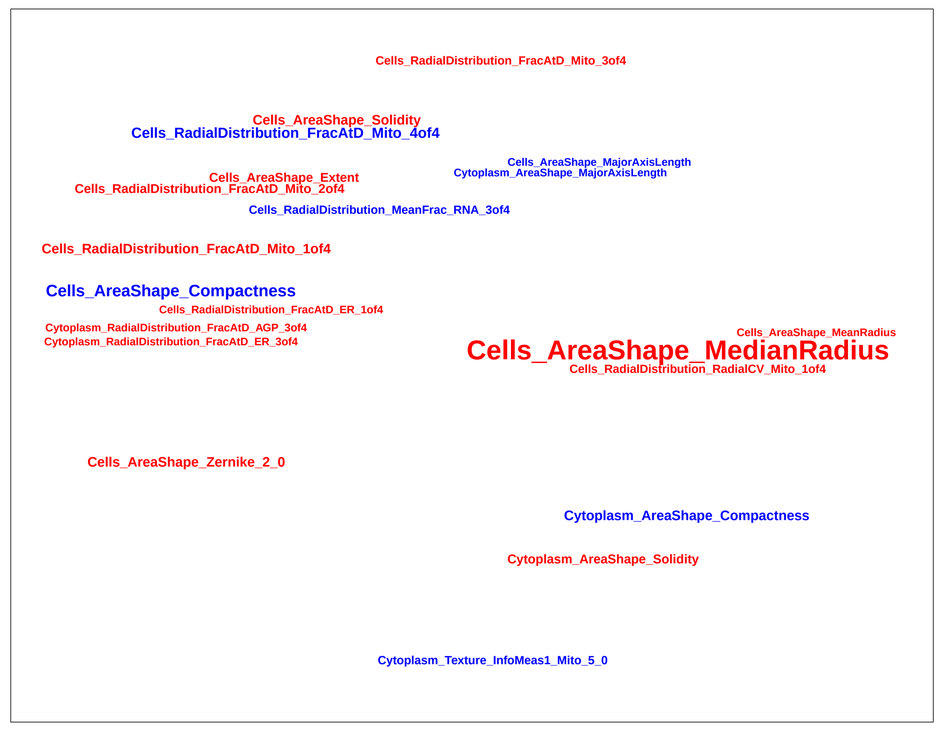
How similar is this gene to the other genes?

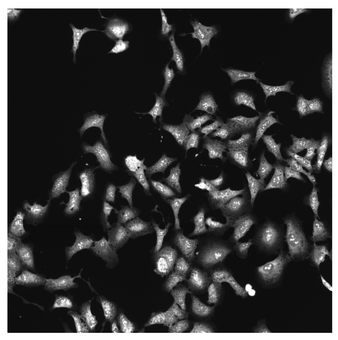
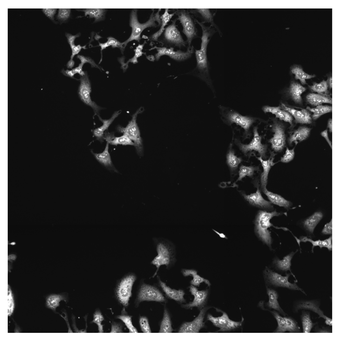
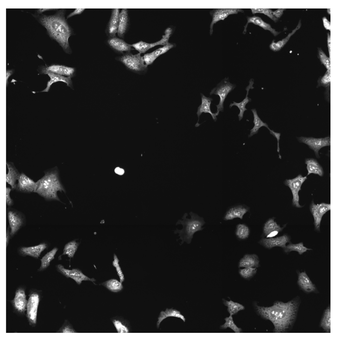
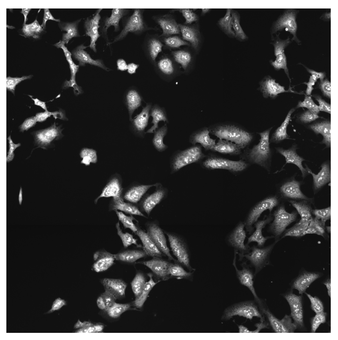
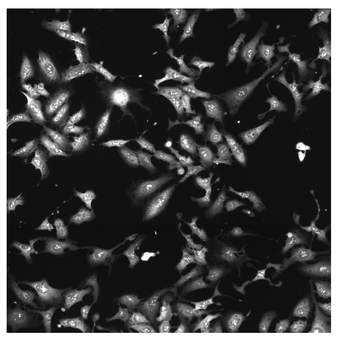
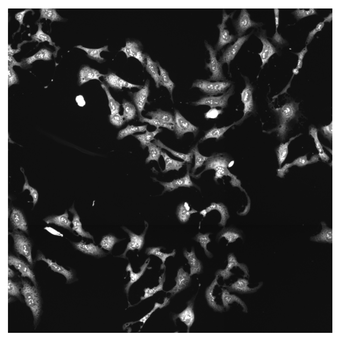
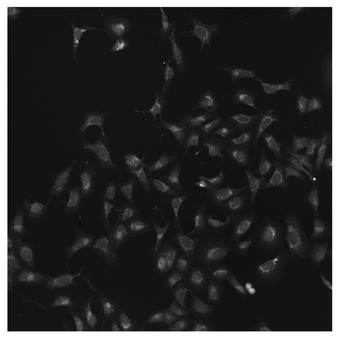
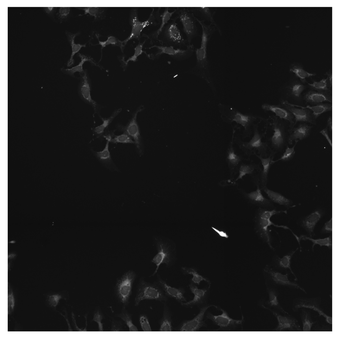
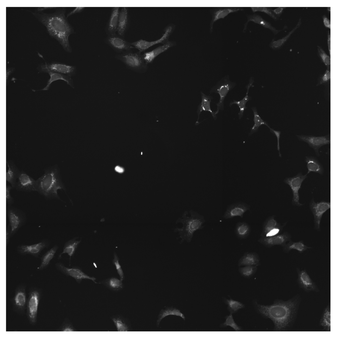
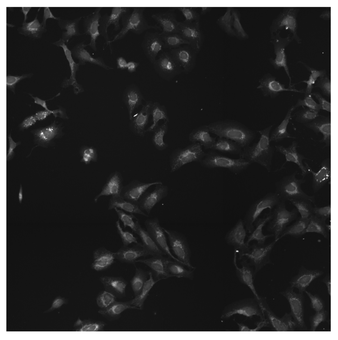
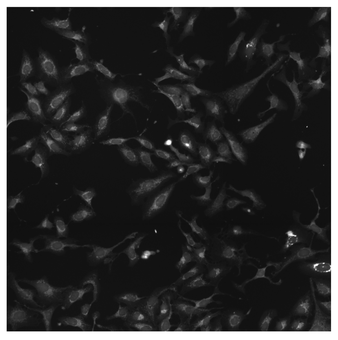
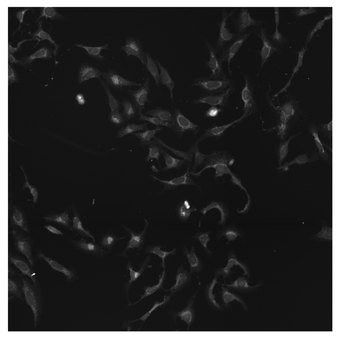


What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

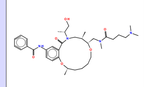
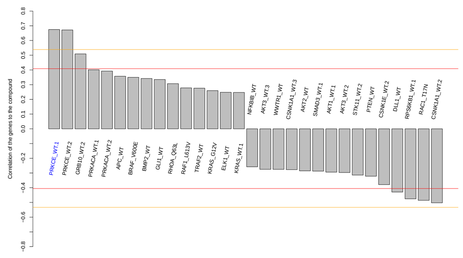
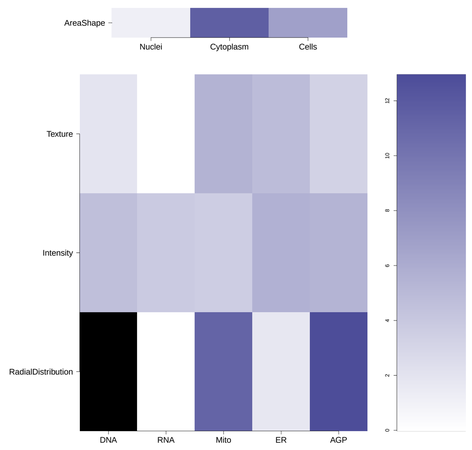
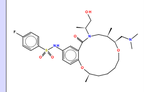
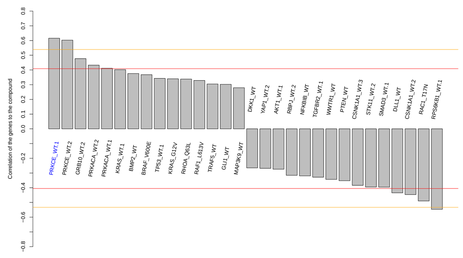
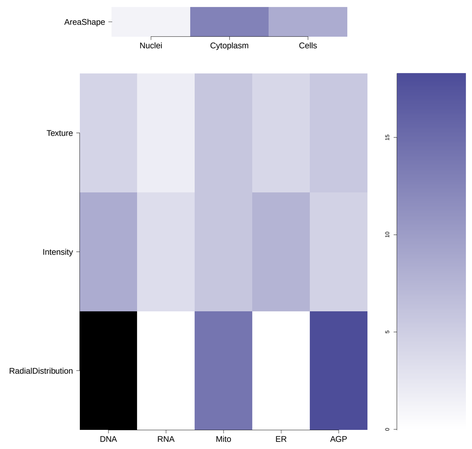
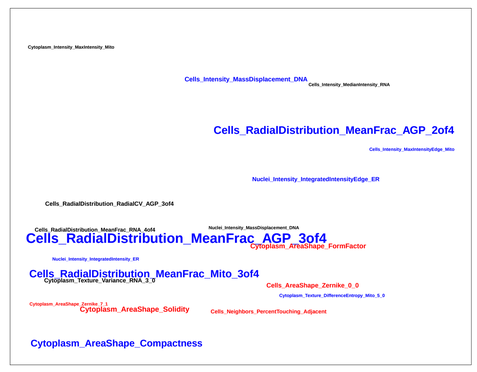
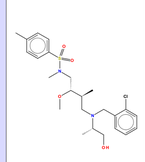
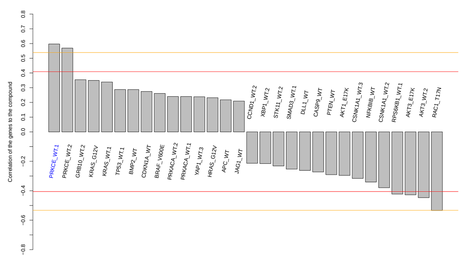
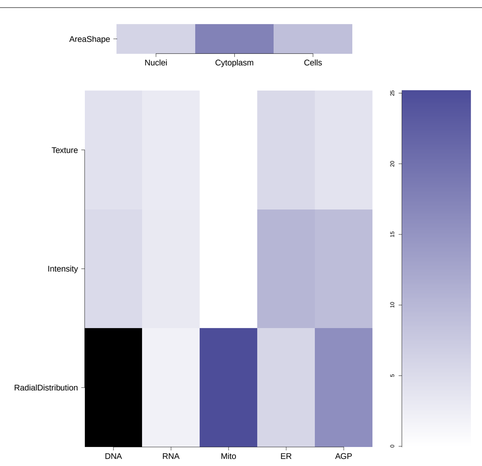
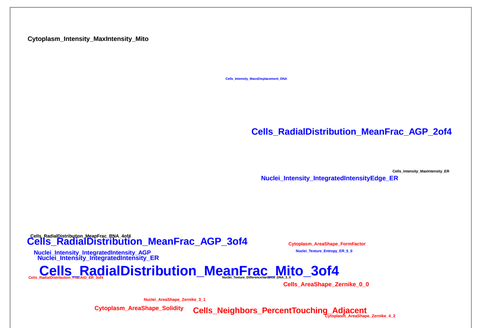
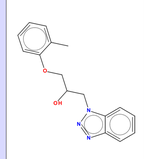
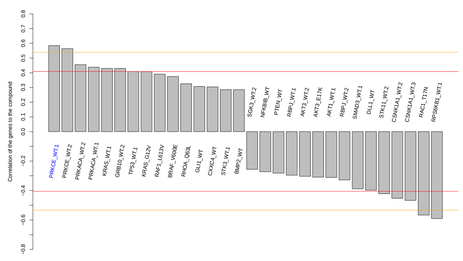
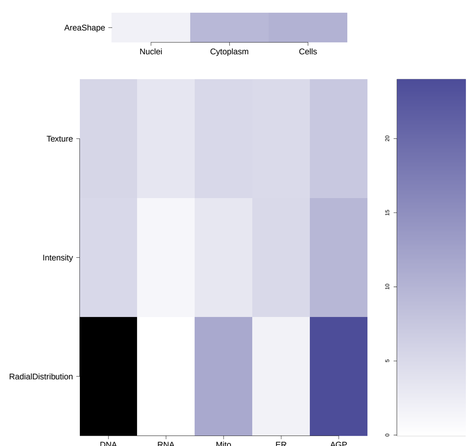
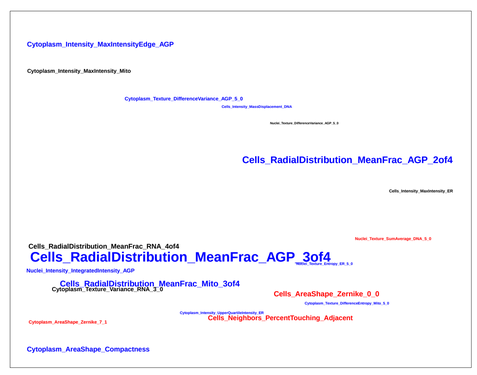
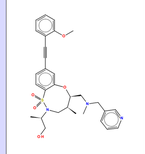
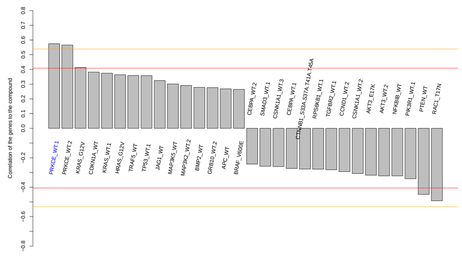
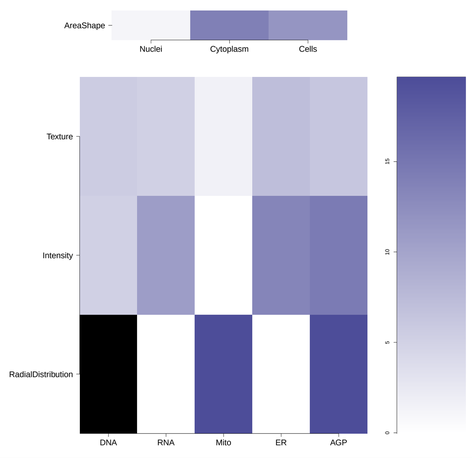
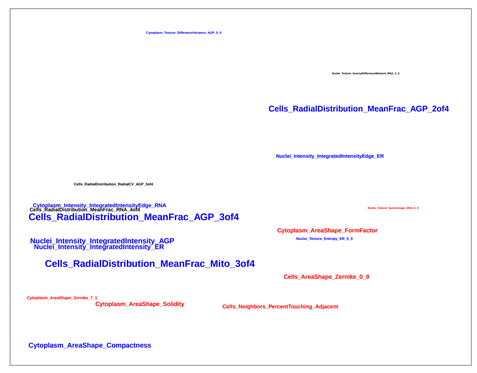


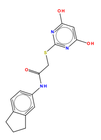
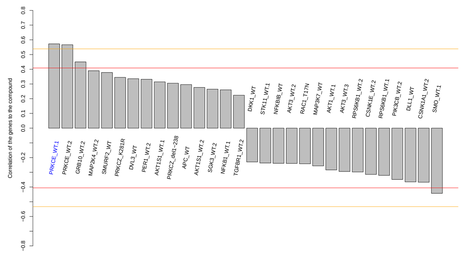
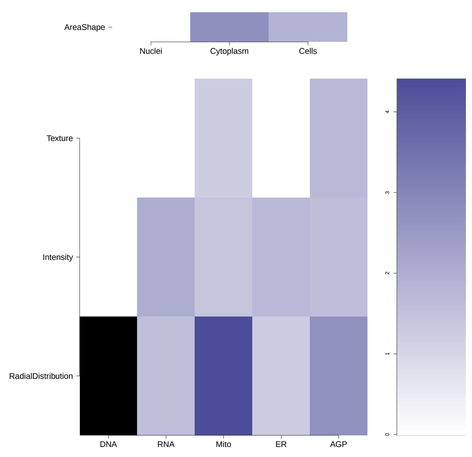
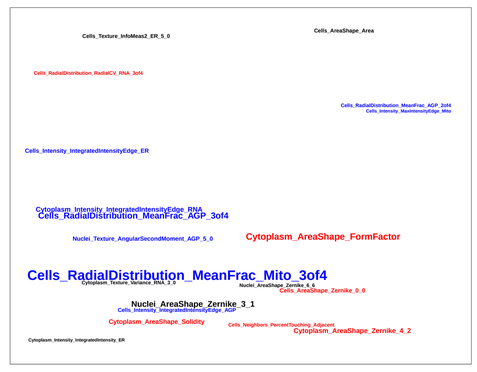
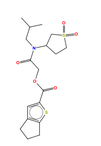
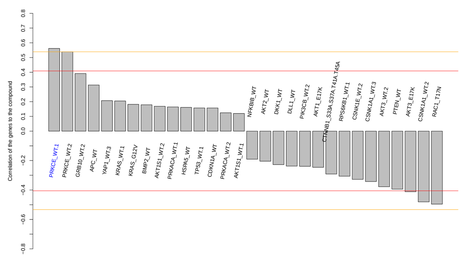
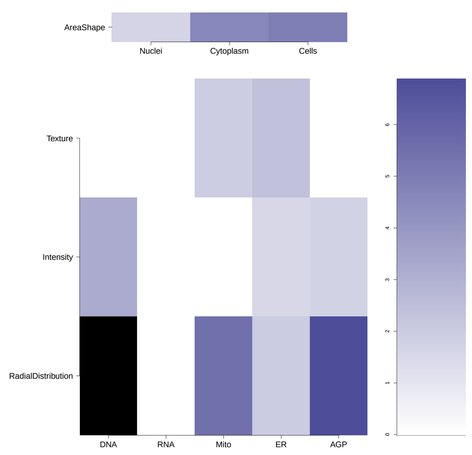
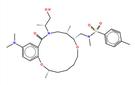
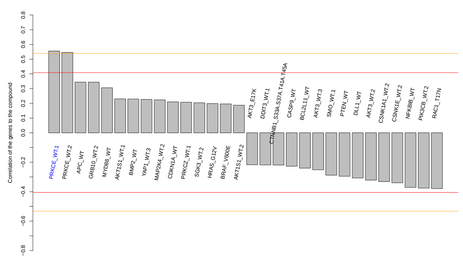
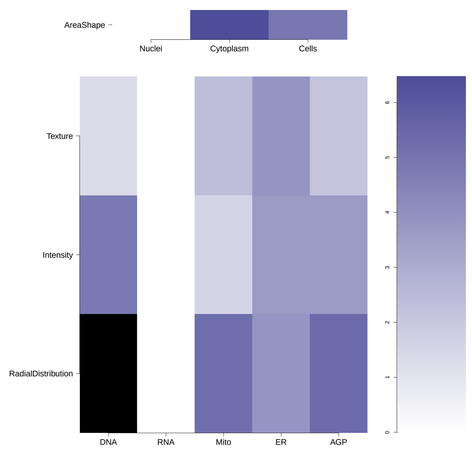
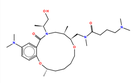
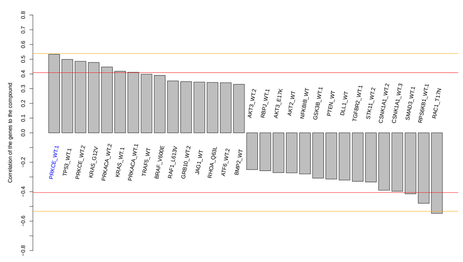
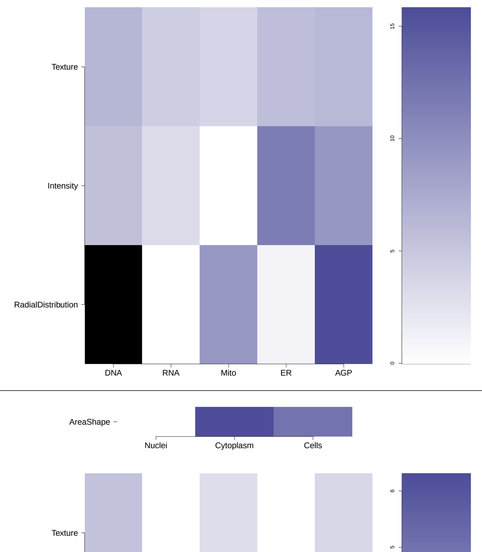
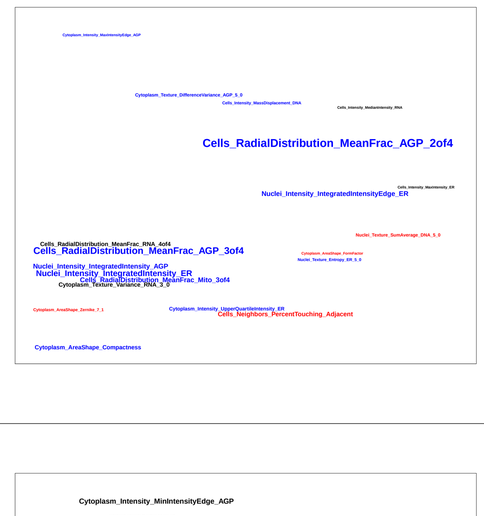
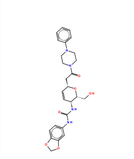
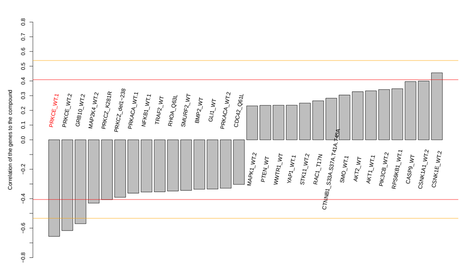
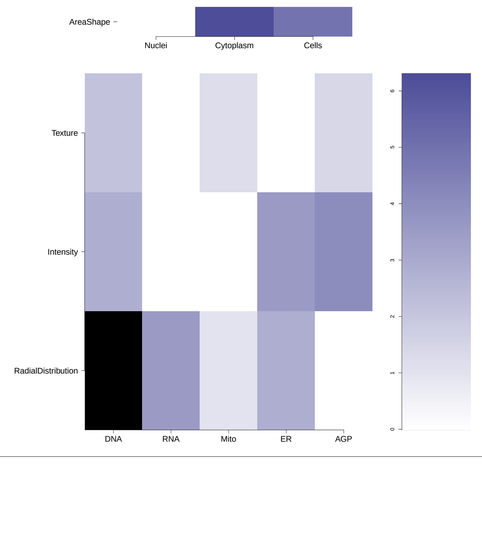
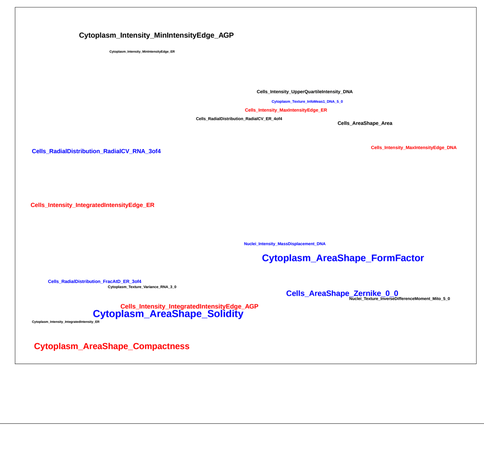
Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

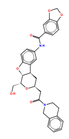
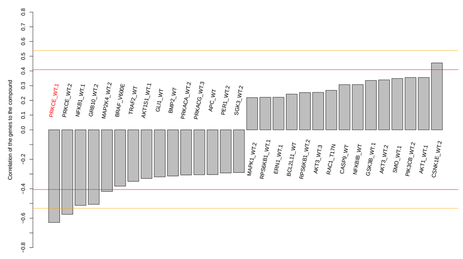
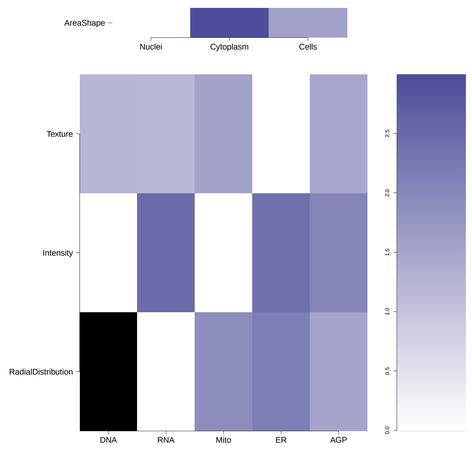
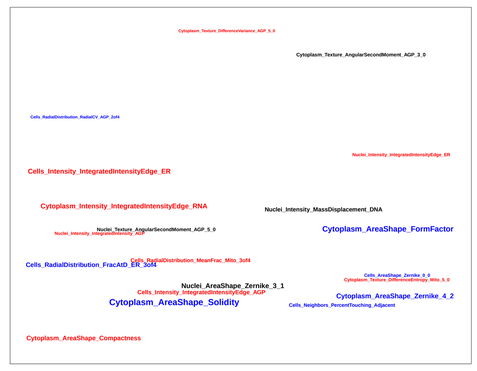
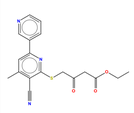
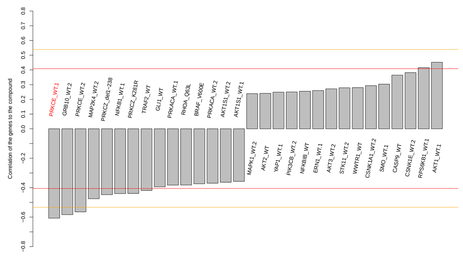
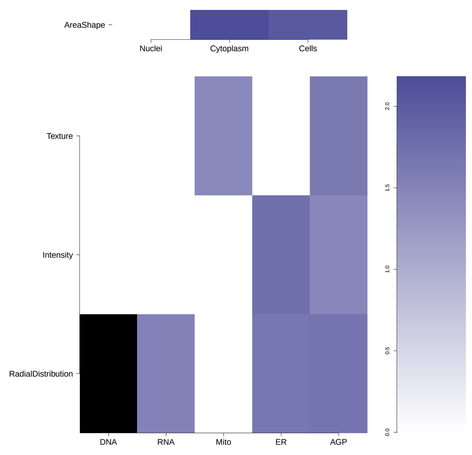
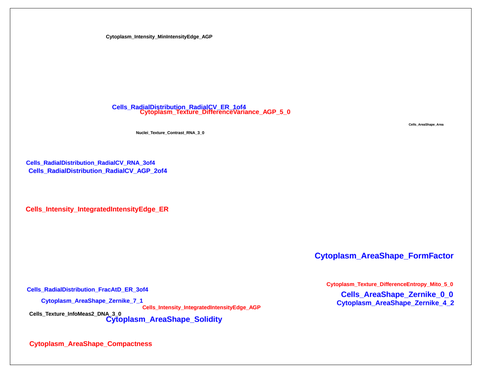
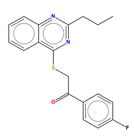
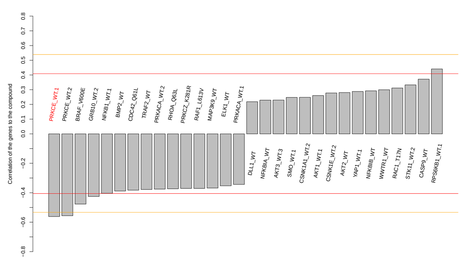
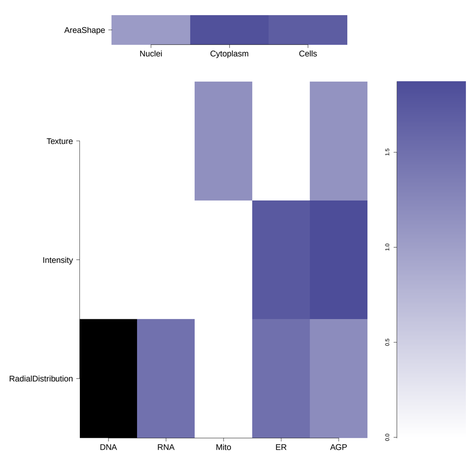
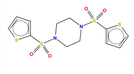
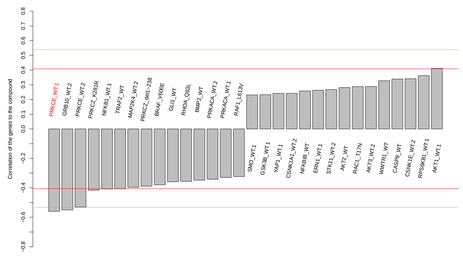
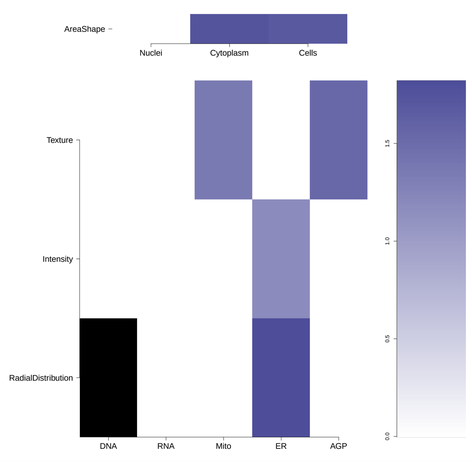
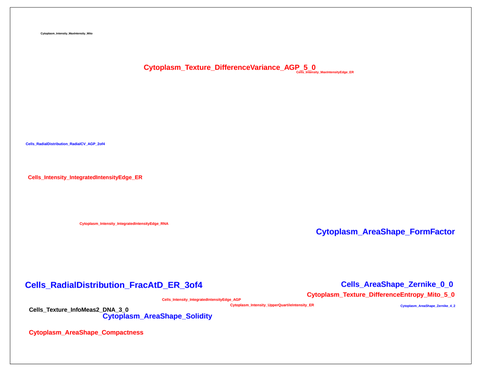


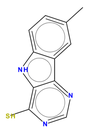
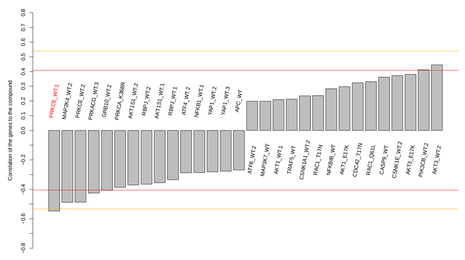
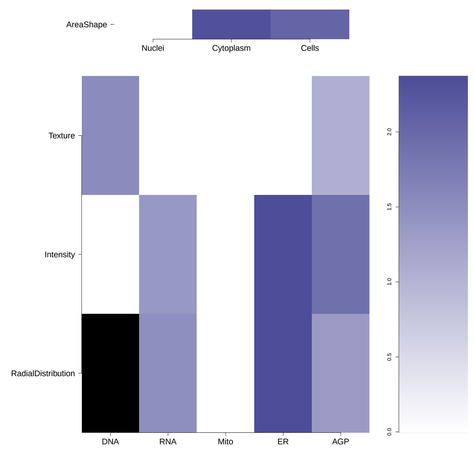
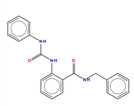
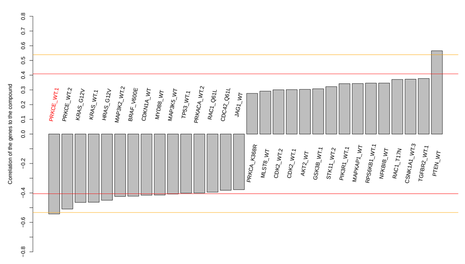
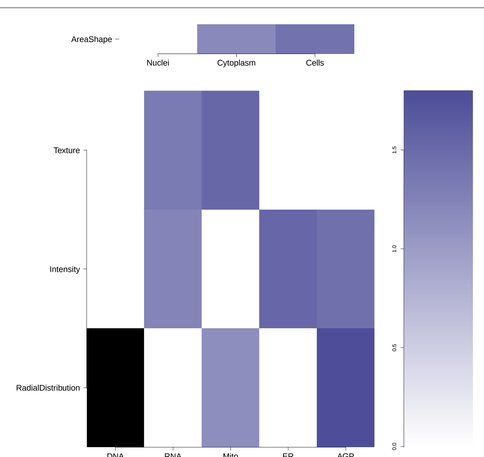
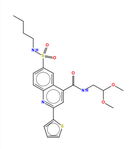
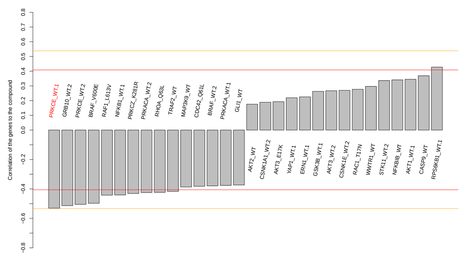
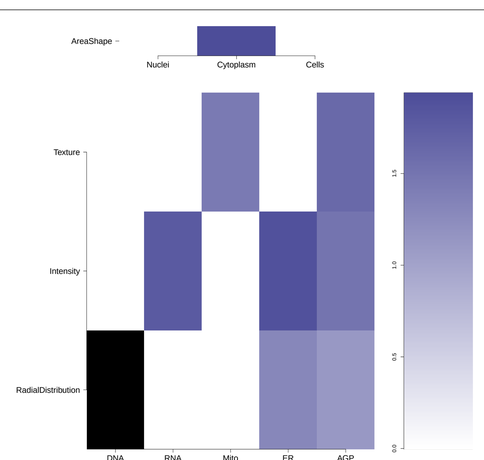
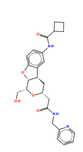
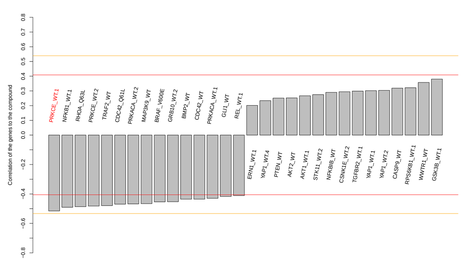
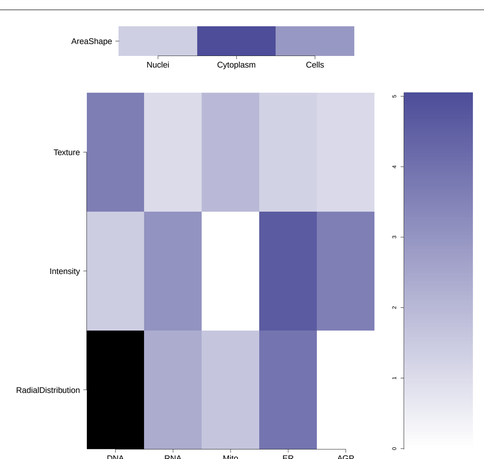
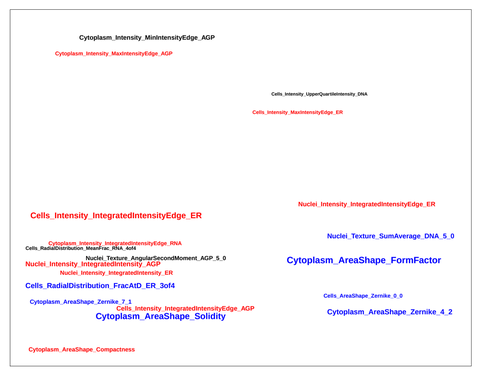
Empty	PRKCE_WT.1 (41744)	PRKCE_WT.1 (41755)	PRKCE_WT.1 (41756)	PRKCE_WT.1 (41757)	PRKCE_WT.1 (41754)
RNA						
Mito						

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-K65891102-001-01-4 PubChem CID : 44620287		0.88 (in 4 replicates)	0.67	0.705				Total number of assays tested in: 37.
BRD-K64075179-001-01-3 PubChem CID : 44620274		0.94 (in 4 replicates)	0.62	0.228				Total number of assays tested in: 39.
BRD-K55522920-001-01-7 PubChem CID : 54648993		NA (in 1 replicates)	0.60	0.165				Total number of assays tested in: 636. Active in the following assays: • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • Fluorescence polarization-based counterscreen for RBBP9 inhibitors: primary biochemical high throughput screening assay to identify inhibitors of the oxidoreductase glutathione S-transferase omega 1(GSTO1). (AID 1974) • Fluorescence Cell-Free Homogenous Primary HTS to Identify Inhibitors of RecA Intein Splicing Activity (AID 2221) • Fluorescence Cell-Free Homogeneous Counter Screen to Identify Inhibitors of GFP Chromophore Formation (AID 434968) • Fluorescence Cell-Free Homogeneous Dose Retest to Identify Inhibitors of RecA-Intein Splicing Activity (AID 435010) • Fluorescence Cell-Free Homogeneous Secondary Screen to Identify Inhibitors of DnaB-Intein Splicing Activity (AID 449749) • Fluorescence Cell-Free Homogeneous Secondary Screen to Identify Non-Covalent Inhibitors of RecA-Intein Splicing Activity (AID 449750) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of Protein Arginine Deiminase 4 (PAD4) (1536 HTS) (AID 485272) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of human platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (PAFAH1B2) (AID 492953) • Fluorescence polarization-based biochemical high throughput confirmation assay for inhibitors of human platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (PAFAH1B2) (AID 493034) • Inhibition of SOD1 G93A mutant aggregation in rat PC12 cells by cytotoxicity protection assay (AID 551238) • Epi Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of human tyrosyl-DNA phosphodiesterase 2 (TDP2) (AID 720702)
BRD-K04488512-001-06-6 3L-577S AC1MZ5IC MLS000755130 HMS2596I20 HMS3380G02 ZINC13140601 SMR000337998 PubChem CID : 3842739		0.77 (in 4 replicates)	0.59	0.241				Total number of assays tested in: 643. Active in the following assays: • Luminescent HTS for small molecule activators of MT1-MMP transcription (AID 750) • Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932) • qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458) • qHTS Assay for Modulators of miRNAs and/or Inhibitors of miR-21 (AID 2289) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • High Content Assay for Compounds that inhibit the Assembly of the Perinucleolar Compartment (AID 2417) • High-content cell-based screening for modulators of autophagy (AID 463193) • qHTS Assay for Rab9 Promoter Activators (AID 485297) • Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • Screen for inhibitors of the SWI/SNF chromatin remodeling complex (esBAF) in mouse embryonic stem cells with Luciferase reporter assay Measured in Cell-Based System Using Plate Reader - 2141-01_Inhibitor_SinglePoint_HTS_Activity (AID 602393) • qHTS Assay to Identify Small Molecule Activators of BRCA1 Expression (AID 624202)
BRD-A64408490-001-04-4 BAS 01813378 AC1MJ8PI MLS000529037 HMS2314N13 STL336800 SMR000121512 PubChem CID : 3133140		0.93 (in 2 replicates)	0.58	NA				
BRD-K92967681-001-01-8 PubChem CID : 54618140		0.90 (in 4 replicates)	0.57	0.705				Total number of assays tested in: 36. Active in the following assays: • Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01_Activator_Dose_CherryPick_Activity (AID 651956) • Cytotoxicity Assay Measured in Cell-Based System Using Plate Reader - 2144-02_Activator_Dose_CherryPick_Activity (AID 720690)

BRD-K54613724-001-05-4 SMR000019962 MLS000043343 AC1MMGOF BDBM59659 HMS2403F13 ZINC8762808 ZINC00210582 EU-0015875 PubChem CID : 3238474		NA (in 1 replicates)	0.57	NA				Total number of assays tested in: 785. Active in the following assays: • qHTS Assay for Promiscuous and Specific Inhibitors of Cruzain (without detergent) (AID 1476) • Inhibitors of Plasmodium falciparum M17-Family Leucine Aminopeptidase (M17LAP) (AID 1619) • qHTS Assay for Inhibitors of Bloom's syndrome helicase (BLM) (AID 2528) • HTS-Luminescent assay for inhibitors of ALR by detection of hydrogen peroxide production Measured in Biochemical System Using Plate Reader - 2036-02_Inhibitor_SinglePoint_HTS (AID 485317) • qHTS for Inhibitors of Polymerase Kappa (AID 588579) • qHTS for Inhibitors of Polymerase Iota (AID 588590) • uHTS identification of SKN-1 Inhibitors in a fluoresence assay (AID 624304) • Fluorescence-based biochemical primary high throughput screening assay to identify molecules that bind r(CAG) RNA repeats (AID 651821) • Counterscreen for molecules that bind rCAG RNA repeats: fluorescent based biochemical counterscreen assay for inhibitors of the DNA-based (5'CAG/3'GTC) TO-PRO-1 dye complex (AID 652068)
BRD-A50837272-001-05-1 MLS000058569 SMR000068287 T5339763 AC1MHA7Z MLS001331552 BDBM39972 HMS2374G09 PubChem CID : 2998734		0.70 (in 4 replicates)	0.56	0.705				Total number of assays tested in: 791. Active in the following assays: • HTS Discovery of Chemical Inhibitors of HePTP, a Leukemia Target (AID 521) • qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590) • HTS of Estrogen Receptor- alpha Coactivator Binding inhibitors (AID 629) • HTS for Estrogen Receptor-beta Coactivator Binding inhibitors (AID 633) • Estrogen Receptor-alpha Coactivator Binding Inhibitors Dose Response Confirmation (AID 713) • Primary biochemical high-throughput screening assay for inhibitors of Focal Adhesion Kinase (FAK) (AID 727) • Estrogen Receptor-beta Coactivator Binding Inhibitors Dose Response Confirmation (AID 733) • High Throughput Fluorescence Polarization Screen for Bcl-B Phenotype Converters (AID 748) • uHTS of Mcl-1/Noxa interaction inhibitors (AID 1022) • TR-FRET-based primary biochemical high-throughput screening assay to identify inhibitors of Hepatitis C Virus (HCV) core protein dimerization (AID 1899) • uHTS fluorescence polarization assay for the identification of translation initiation inhibitors (eIF4H) (AID 2012) • uHTS fluorescence polarization assay for the identification of translation initiation inhibitors (PABP) (AID 2014) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of myeloid cell leukemia sequence 1 (MCL1) interactions with BIM-BH3 peptide. (AID 2057) • qHTS Assay for Inhibitors of the Human Apurinic/apyrimidinic Endonuclease 1 (APE1) (AID 2517) • qHTS Assay for Inhibitors of Bloom's syndrome helicase (BLM) (AID 2528) • qHTS Assay for Inhibitors of Tyrosyl-DNA Phosphodiesterase (TDP1) (AID 485290) • qHTS Assay for Inhibitors of DNA Polymerase Beta (AID 485314) • qHTS Assay for the Inhibitors of L3MBTL1 (AID 485360) • Confirmation Assay for Inhibitors of Tyrosyl-DNA Phosphodiesterase (TDP1) (AID 489007) • uHTS identification of APOBEC3A DNA Deaminase Inhibitors via a fluorescence-based single-stranded DNA deaminase assay (AID 493011) • uHTS Colorimetric assay for identification of inhibitors of Scp-1 (AID 493091) • Single concentration confirmation of uHTS for APOBEC3A DNA Deaminase Inhibitors via a fluorescence-based single-stranded DNA deaminase assay (AID 493151) • qHTS Assay for Inhibitors of BAZ2B (AID 504333) • Inhibitors of DNA Polymerase Beta: Hit validation (AID 540280) • uHTS identification of DNMT1 inhibitors in a Fluorescent Molecular Beacon assay (AID 588458) • qHTS for Inhibitors of Polymerase Kappa (AID 588579) • qHTS for Inhibitors of Polymerase Iota (AID 588590) • qHTS for Inhibitors of Polymerase Eta (AID 588591) • qHTS for Inhibitors of phosphatidylinositol 5-phosphate 4-kinase (PI5P4K) (AID 652105)
BRD-K91282650-001-01-0 PubChem CID : 44619759		0.79 (in 4 replicates)	0.56	0.920				Total number of assays tested in: 23.
BRD-K89110518-001-01-9 PubChem CID : 44492642		0.84 (in 4 replicates)	0.53	0.106				Total number of assays tested in: 28.
BRD-K53357510-001-01-6 PubChem CID : 54641278		NA (in 1 replicates)	-0.66	NA				Total number of assays tested in: 40.

BRD-K59830209-001-01-2 PubChem CID : 54645872		NA (in 1 replicates)	-0.63	0.295				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-K67036882-001-05-1 SMR000020815 AC1MMI42 MLS000085686 MLS002589533 HMS618J03 HMS2286I03 STK673077 ZINC37868523 ST4029375 PubChem CID : 3239112		0.71 (in 4 replicates)	-0.61	0.295				Total number of assays tested in: 774. Active in the following assays: • CYP2C9 Assay (AID 777) • Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Primary Screen (AID 1362) • Cytochrome panel assay with activity outcomes (AID 1851) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of myeloid cell leukemia sequence 1 (MCL1) interactions with BIM-BH3 peptide. (AID 2057) • Primary biochemical high throughput screening assay to identify inhibitors of BCL2-related protein, long isoform (BCLXL). (AID 2129) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of GLD-1 protein - TGE RNA interaction. (AID 2280) • Primary cell-based high-throughput screening for identification of compounds that antagonize MrgX1 receptor signaling (AID 588676) • Fluorescence Intensity-based biochemical primary high throughput screening assay to identify activators of kallikrein-7 (K7) zymogen (AID 652039) • Fluorescence Intensity-based biochemical primary high throughput confirmation assay to identify activators of kallikrein-7 (K7) zymogen (AID 686949) • Counterscreen for activators of kallikrein-7 (K7) zymogen: Fluorescence intensity-based biochemical high throughput counterscreen assay for activators that optically interfere with measurement of EDANS-DABCYL fluorescence (AID 686952)
BRD-K64326672-001-06-1 ASN 06532879 AC1LSP2X MLS000855961 ZINC1342790 ZINC01342790 SMR000286406 PubChem CID : 1442659		0.55 (in 3 replicates)	-0.56	NA				Total number of assays tested in: 629. Active in the following assays: • qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) • Fluorescence Cell-Free Homogeneous Primary HTS to Identify Inhibitors of Histone Deacetylase 3 (AID 2718) • HTS-Luminescent assay for inhibitors of ALR by detection of hydrogen peroxide production Measured in Biochemical System Using Plate Reader - 2036-02_Inhibitor_SinglePoint_HTS (AID 485317) • Inhibitors of the vitamin D receptor (VDR): qHTS (AID 504847) • Luminescence-based cell-based high throughput confirmation assay for inverse agonists of the liver receptor homolog-1 (LRH-1; NR5A2) (AID 651613) • Counterscreen for inverse agonists of the liver receptor homolog-1 (LRH-1; NR5A2): Luminescence-based cell-based high throughput assay to identify inverse agonists of the Steroidogenic Factor 1 Nuclear Receptor (SF1; NR5A1) (AID 651614) • Luminescence-based cell-based primary high throughput screening assay to identify activators of the function of SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2, BRM) (AID 652017)
BRD-K12918607-001-05-0 ZINC00703662 AC1LJYG8 MLS000626703 HMS1421I04 HMS2686L24 ZINC703662 SMR000299084 EU-0054640 ST50046431 F0727-0035 PubChem CID : 1034118		0.68 (in 4 replicates)	-0.56	0.295				Total number of assays tested in: 629. Active in the following assays: • qHTS Assay for Activators of Human Muscle isoform 2 Pyruvate Kinase (AID 1631)

BRD-K40206099-001-05-1 MLS000562337 SMR000174932 AC1LG4S2 BDBM95268 HMS2557I10 BBL007515 HTS028036 STK386401 STL145155 ZINC13111877 BAS 00411460 H6780 ST50228337 PubChem CID : 814542		0.74 (in 4 replicates)	-0.55	0.218				Total number of assays tested in: 633. Active in the following assays: • Primary biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 1 (SRC-1) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 631) • Modulators of the EP2 prostaglandin E2 receptor - Primary Screening (AID 940) • Primary biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 2 (SRC-2) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1032) • Measurement of TR-FRET detection format artefact in the screen for agonists of steroid receptor coactivator 3 (SRC-3) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1048) • Measurement of TR-FRET detection format artefact in the screen for agonists of steroid receptor coactivator 2 (SRC-2) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1049) • Primary screen for compounds that inhibit Insulin promoter activity in TRM-6 cells (AID 1273) • qHTS Assay for Identifying the Cell-Membrane Permeable IMPase Inhibitors: Potentiation with Lithium (AID 1457) • qHTS Assay for Modulators of miRNAs and/or Inhibitors of miR-21 (AID 2289) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) • qHTS Assay for Agonists of the Relaxin Receptor RXFP1 (AID 2676) • qHTS Assay for Agonists of the Relaxin Receptor RXFP1: RXFP1 Hit Validation (AID 489012) • qHTS Assay for Agonists of the Relaxin Receptor RXFP1: RXFP2 Hit Validation (AID 489043) • qHTS Assay for Agonists of the Relaxin Receptor RXFP1: V1B Hit Validation (AID 492948) • qHTS Assay for Agonists of the Relaxin Receptor RXFP1: THP1 Hit Validation (AID 492949) • qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • TRFRET-based cell-based primary high throughput screening assay to identify biased ligands of the melanocortin 4 receptor (MC4R): antagonists of MC4R (AID 540295) • qHTS for Agonist of gsp, the Etiologic Mutation Responsible for Fibrous Dysplasia/McCune-Albright Syndrome: qHTS (AID 624287) • TRFRET-based biochemical primary high throughput screening assay to identify small molecules that bind to the HIV-1-gp120 binding antibody, PG9 (AID 624416) • TRFRET-based biochemical high throughput confirmation assay for small molecules that bind to the HIV-1-gp120 binding antibody, PG9 (AID 651571) • Counterscreen for discovery of small molecules that bind to the HIV-1-gp120 binding antibody, PG9: TR-FRET-based biochemical high throughput assay to identify small molecules that bind to the control antibody, PGV04, which binds to a site on the HIV envelope different from the PG9 binding site (AID 651604) • TRFRET-based cell-based primary high throughput screening assay to identify inhibitors of cell surface Prion Protein (PRPC) (AID 720596) • TRFRET-based cell-based high throughput confirmation assay to identify inhibitors of cell surface Prion Protein (PRPC) (AID 743200)
BRD-K03678940-001-05-7 MLS000535047 SMR000142484 ZINC00472677 AC1LHZX5 BDBM76404 HMS2338G04 ZINC472677 STK862584 PubChem CID : 895604		NA (in 1 replicates)	-0.54	NA				Total number of assays tested in: 688. Active in the following assays: • CYP2C9 Assay (AID 777) • Primary screen for compounds that activate Insulin promoter activity in TRM-6 cells (AID 1296) • uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 7 (SENP7) (AID 434973) • Dose Response confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488901) • Dose Response confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 488904) • Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SENP7) using a Luminescent assay (AID 488917) • qHTS profiling assay for firefly luciferase inhibitor/activator using purifed enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)
BRD-A72763822-001-06-6 AC1LBAA9 Ambcb5111139 MLS001207673 CTK6F6403 HMS1553M15 HMS2849D11 BAS 00190464 SMR000505153 ST50218848 PubChem CID : 579213		0.55 (in 4 replicates)	-0.54	NA				Total number of assays tested in: 476. Active in the following assays: • MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • Primary cell-based screen for identification of compounds that inhibit the two-pore domain potassium channel KCNK9 (AID 488922) • 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 for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)
BRD-K65987339-001-03-1 MLS000586656 AC1N5GVQ HMS2602P15 ZINC3065313 SMR000208035 PubChem CID : 4194881		0.64 (in 4 replicates)	-0.53	NA				Total number of assays tested in: 379. Active in the following assays: • qHTS Assay for Activators of Human alpha-Glucosidase as a Potential Chaperone Treatment of Pompe Disease (AID 2242)
BRD-K78939963-001-01-4 PubChem CID : 54646082		0.65 (in 2 replicates)	-0.52	0.971				Total number of assays tested in: 38.