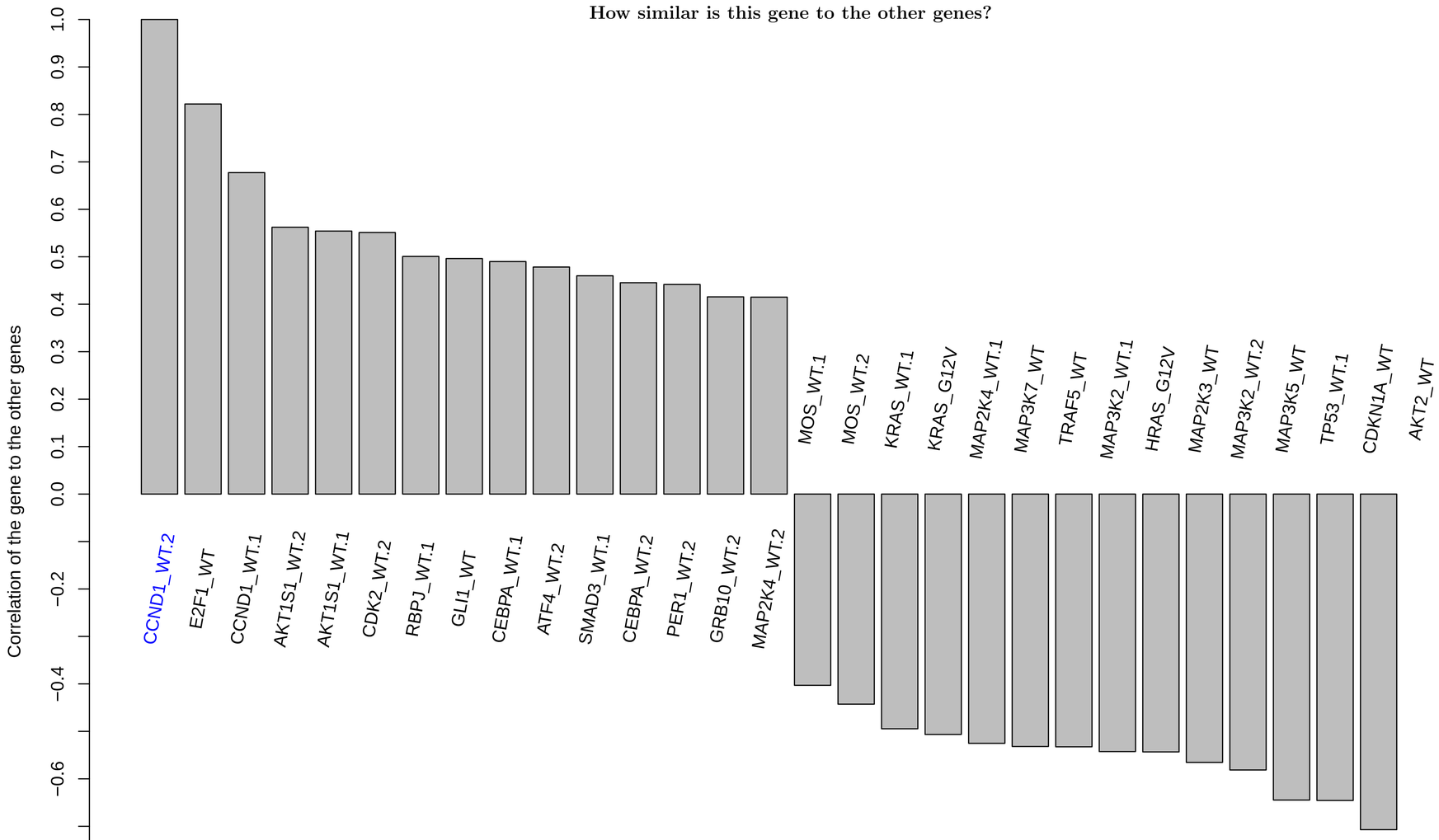
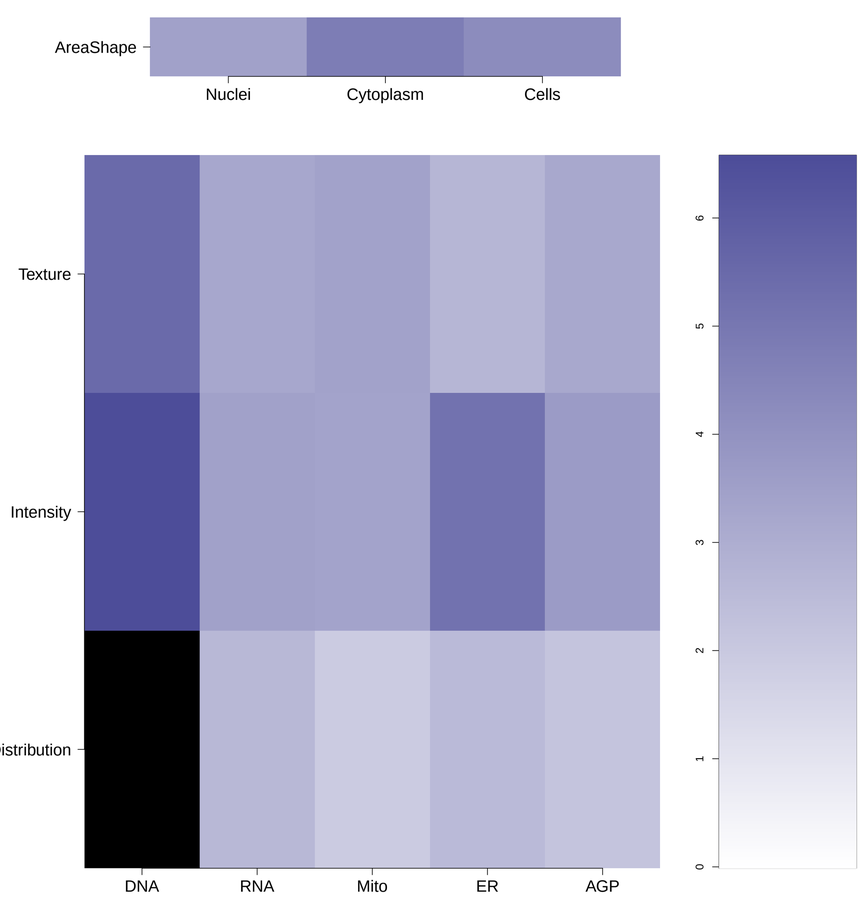
CCND1_WT.2 - in Canonical Cell Cycle

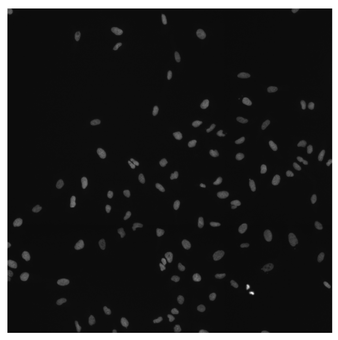
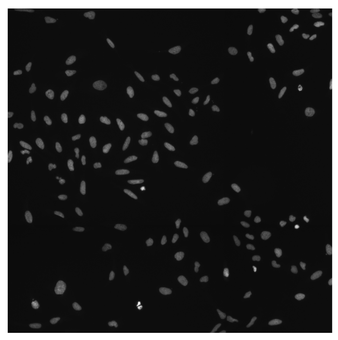
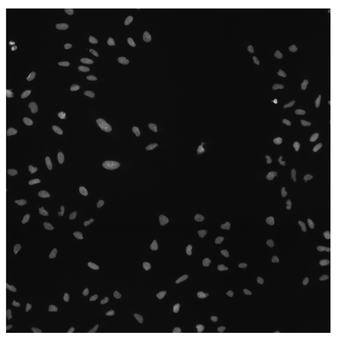
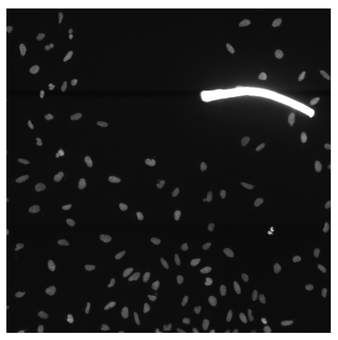
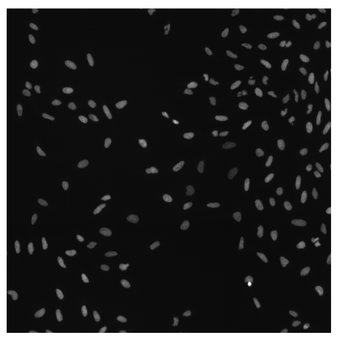
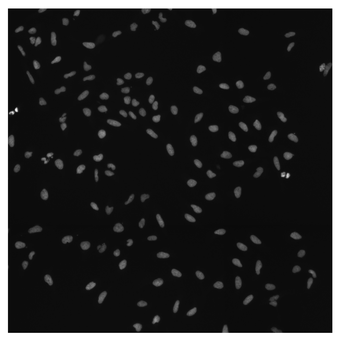
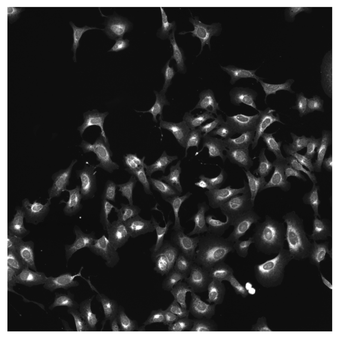
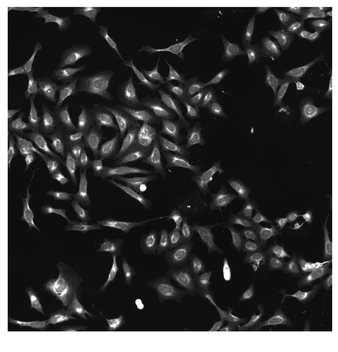
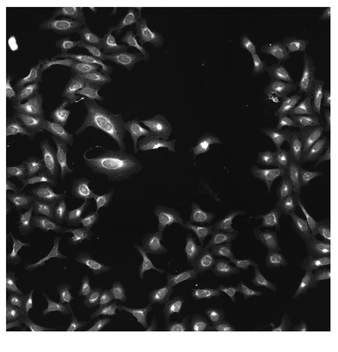
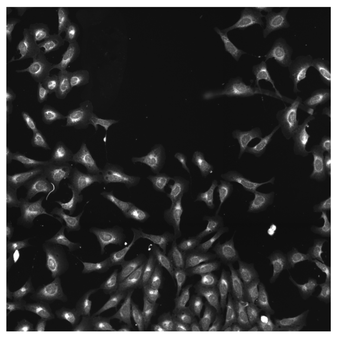
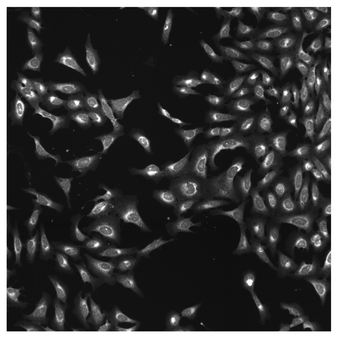
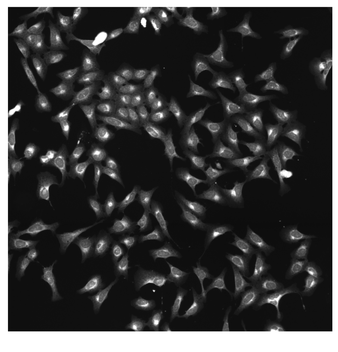
How similar is this gene to the other genes?



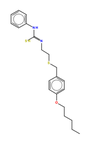
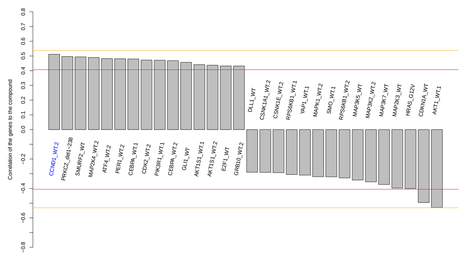
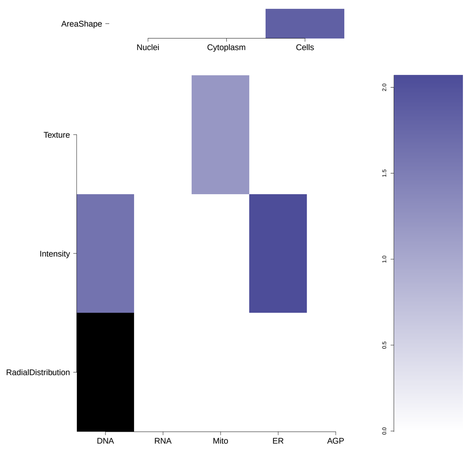
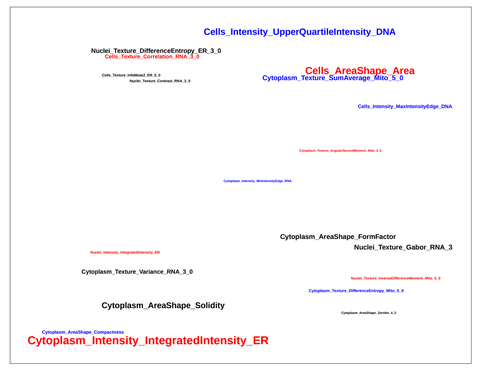
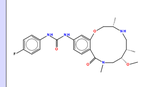
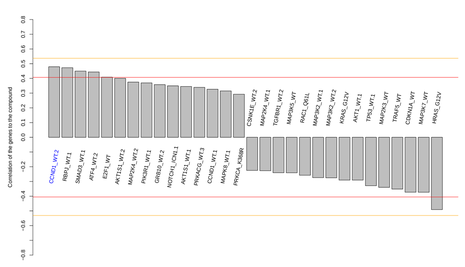
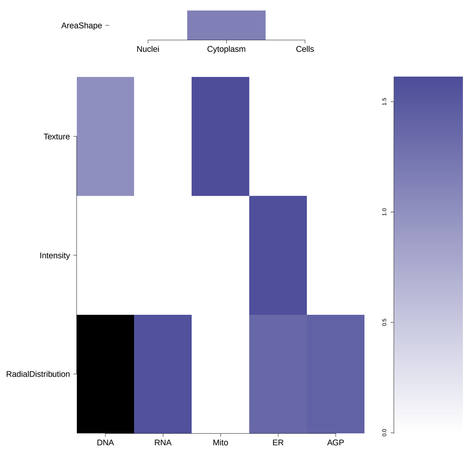
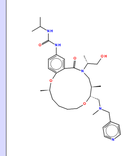
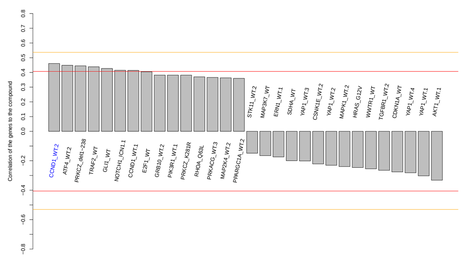
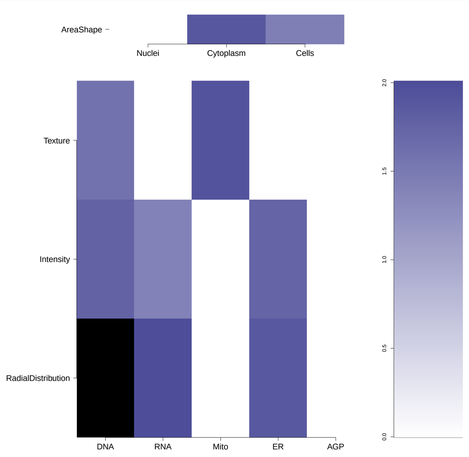
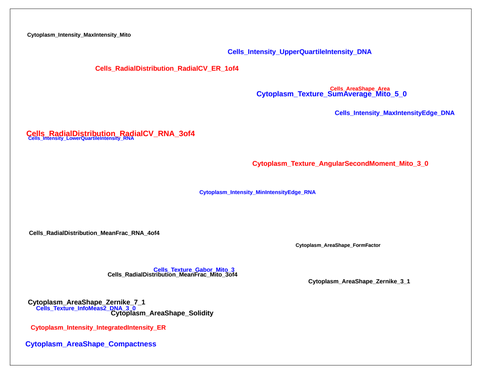
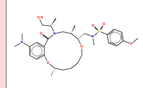
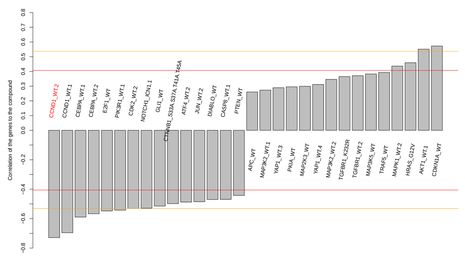
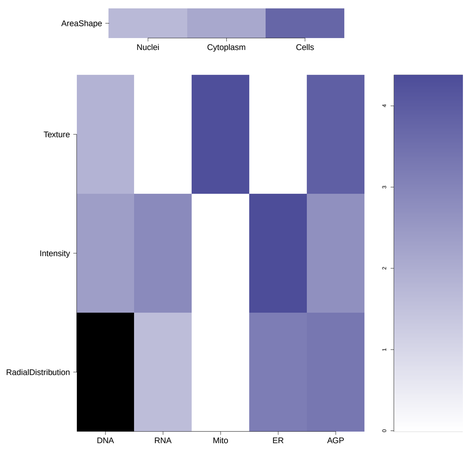
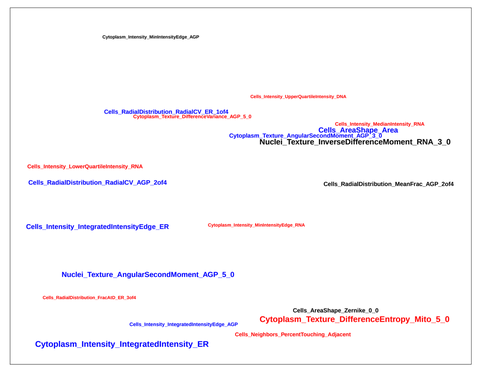
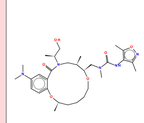
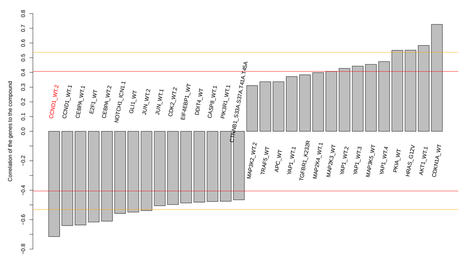
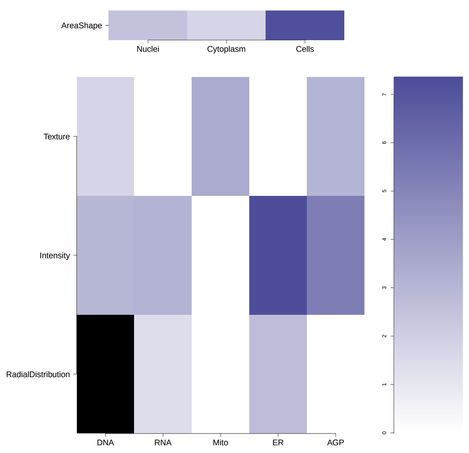
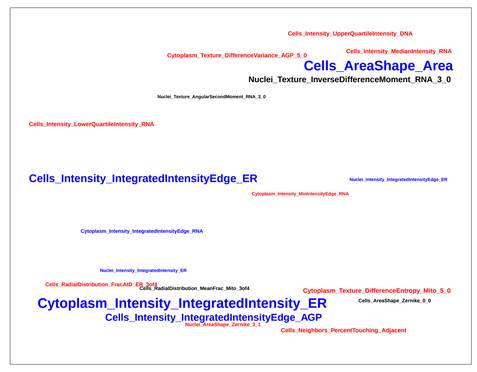
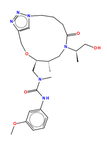
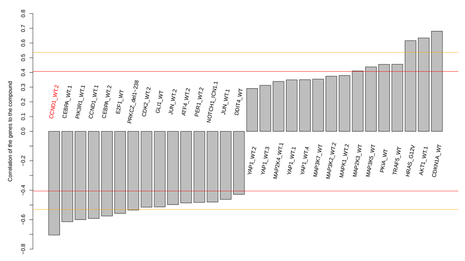
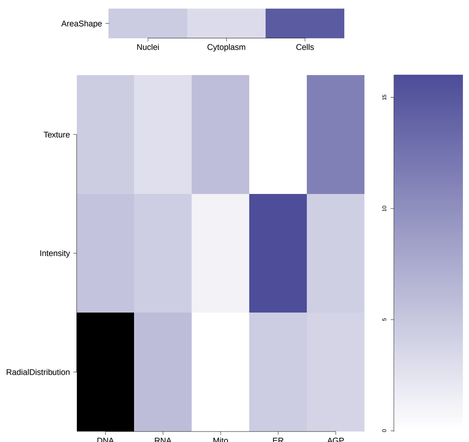
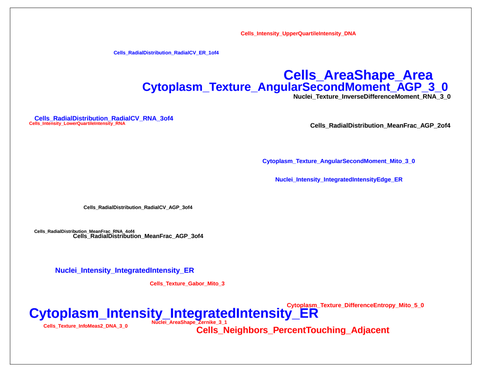
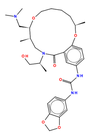
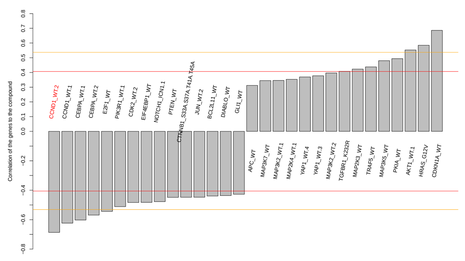
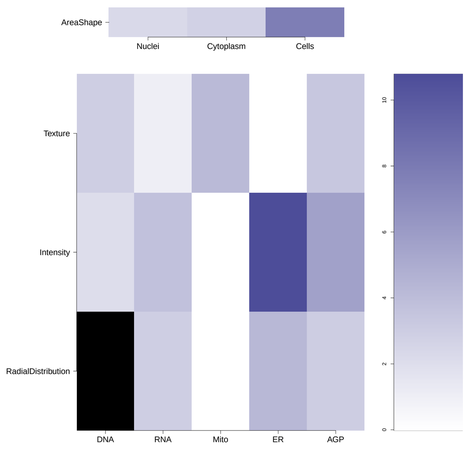
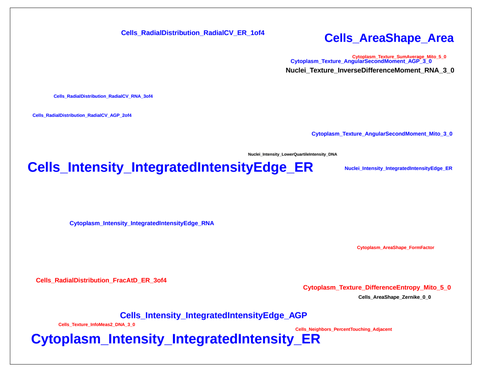
What groups of morphological features are distinguishing in the cluster relative to the untreated samples? (maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the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

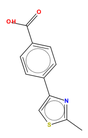
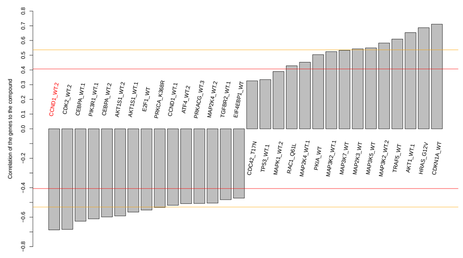
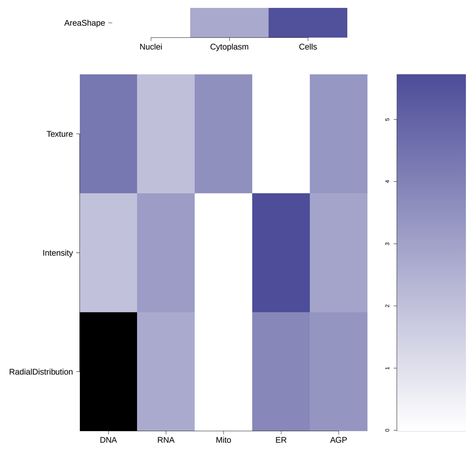
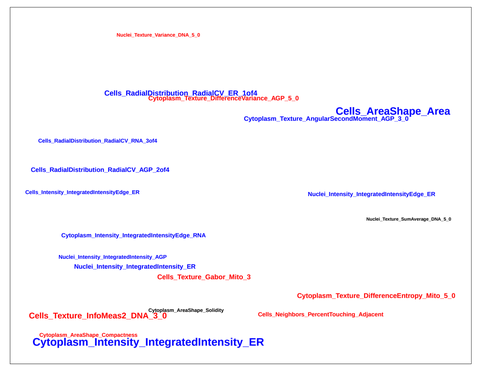
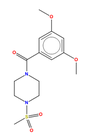
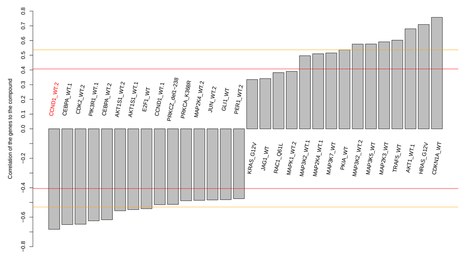
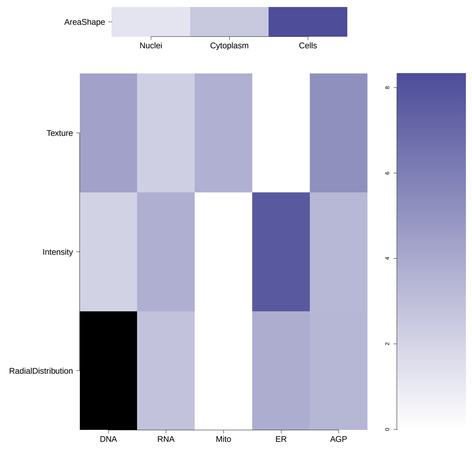
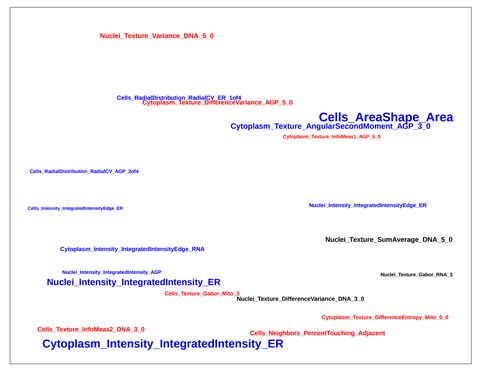
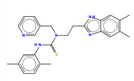
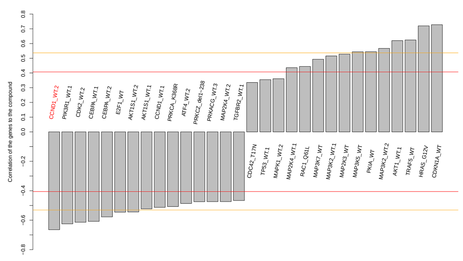
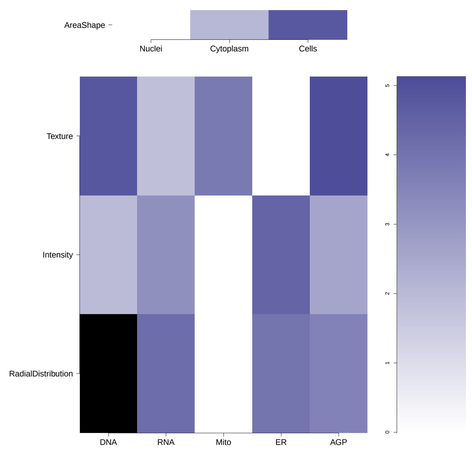
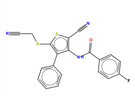
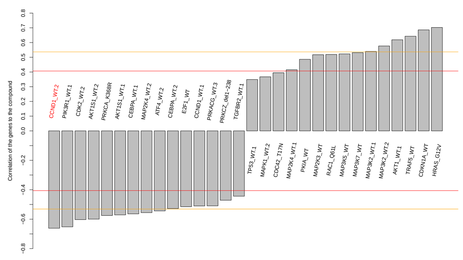
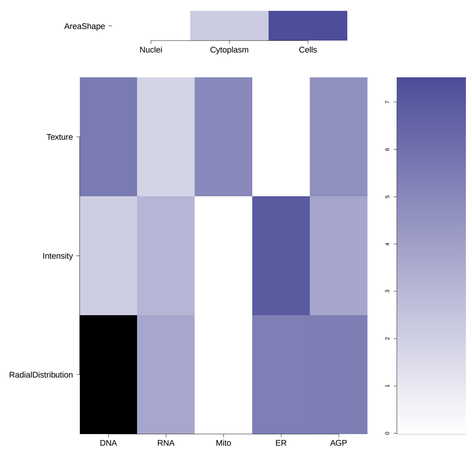
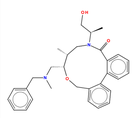
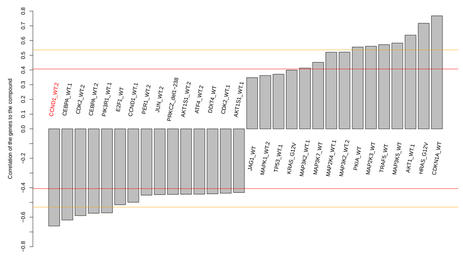
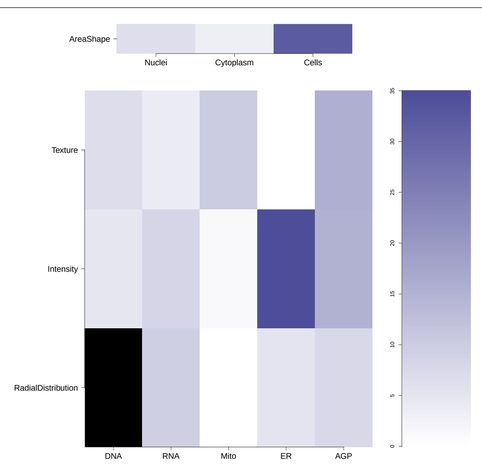
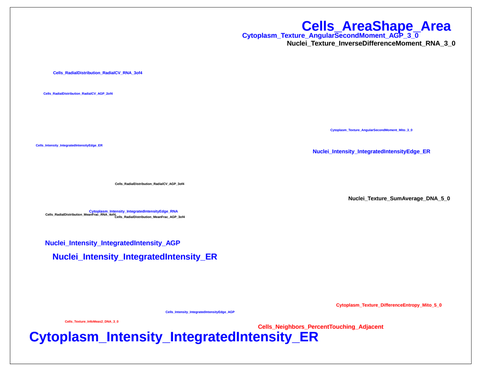
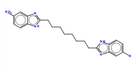
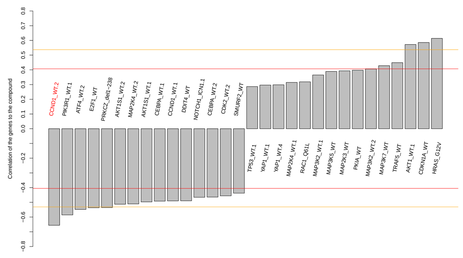
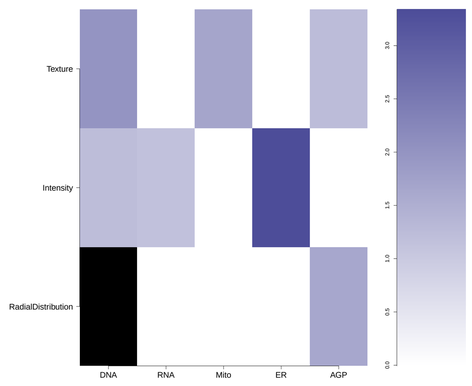
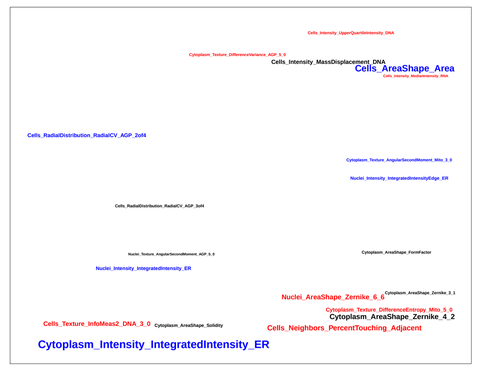


Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.

	Empty	CCND1_WT.2 (41744)	CCND1_WT.2 (41755)	CCND1_WT.2 (41756)	CCND1_WT.2 (41757)	CCND1_WT.2 (41754)
DNA						
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-K81653418-001-05-8 MLS000590001 AC1NNVO8 HMS2519C04 ZINC8691676 STK533041 ZINC08691676 SMR000217181 PubChem CID : 5127947		0.53 (in 4 replicates)	0.51	NA				Total number of assays tested in: 637. Active in the following assays: • Leishmania major promastigote HTS (AID 1063) • Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Primary Screen (AID 1362) • qHTS for Inhibitors of Tau Fibril Formation, Fluorescence Polarization (AID 1468) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) • uHTS Luminescent assay for identification of activators of mouse intestinal alkaline phosphatase (AID 2805) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834) • Epi Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of human tyrosyl-DNA phosphodiesterase 2 (TDP2) (AID 720702)
BRD-K88073024-001-01-7 PubChem CID : 54634277		0.52 (in 4 replicates)	0.48	NA				Total number of assays tested in: 34. 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-K17288883-001-01-7 PubChem CID : 54614980		0.55 (in 4 replicates)	0.46	NA				Total number of assays tested in: 32.
BRD-K37906141-001-01-8 PubChem CID : 44617686		0.92 (in 4 replicates)	-0.73	0.161				Total number of assays tested in: 40.
BRD-K36176998-001-01-3 PubChem CID : 44486403		0.87 (in 4 replicates)	-0.72	0.394				Total number of assays tested in: 46.
BRD-K80711156-001-02-8 MLS003129217 SMR001833663 PubChem CID : 44505852		0.94 (in 3 replicates)	-0.70	0.394				Total number of assays tested in: 77.
BRD-K90061492-001-01-1 PubChem CID : 44483968		0.83 (in 3 replicates)	-0.69	0.394				Total number of assays tested in: 28.

BRD-K68607418-004-05-5 MLS000068649 AC1O7FQT CTK7I7840 SMR000010792 TR-041126 Z-2138 PubChem CID : 6603383		0.85 (in 3 replicates)	-0.69	NA				Total number of assays tested in: 766. Active in the following assays: • qHTS Assay for Inhibitors of DNA Polymerase Beta (AID 485314)
BRD-K45488606-001-06-4 MLS000099027 SMR000070441 BAS 03050091 AC1LESB5 MLS002540211 BDBM62775 HMS2347P22 ZINC115691 STK128794 ZINC00115691 ST45171832 ST50269282 PubChem CID : 717224		0.91 (in 3 replicates)	-0.68	NA				Total number of assays tested in: 787. Active in the following assays: • Luminescence Cell-Based Primary HTS to Identify Inhibitors of Heat Shock Factor 1 (HSF1). (AID 2098) • Fluorescence-based cell-based primary high throughput screening assay to identify positive allosteric modulators (PAMs) of the human cholinergic receptor, muscarinic 5 (CHRM5) (AID 624038) • Fluorescence-based cell-based primary high throughput screening assay to identify positive allosteric modulators (PAMs) of the human cholinergic receptor, muscarinic 4 (CHRM4) (AID 624126)
BRD-K02020774-001-06-2 SMR000173527 AC1LRX2D MLS000556770 HMS2485G22 ZINC1360804 ZINC01360804 ASN 06610210 PubChem CID : 1454780		0.88 (in 3 replicates)	-0.66	NA				Total number of assays tested in: 657. Active in the following assays: • CYP2C9 Assay (AID 777) • uHTS absorbance assay for the identification of compounds that inhibit VHR1. (AID 1654) • Cytochrome panel assay with activity outcomes (AID 1851) • Luminescence Cell-Based/Microorganism Primary HTS to Identify Inhibitors of T.Cruzi Replication (AID 1885) • Luminescence Cell-Based/Microorganism Dose Confirmation HTS to Identify Inhibitors of T.Cruzi Replication. (AID 2044) • High-Throughput Screening for Modulators of Cytosolic Chaperonin Activity (AID 651819)
BRD-K46976183-001-05-0 10P-378S AC1MCBYB SMR000180621 MLS000327655 HMS2404B20 ZINC4014200 ZINC04014200 PubChem CID : 2765899		0.81 (in 3 replicates)	-0.66	NA				Total number of assays tested in: 637. Active in the following assays: • qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) • Fluorescence Cell-Free Homogeneous Primary HTS to Identify Inhibitors of the RanGTP-Importin-beta complex (AID 2216) • qHTS of D3 Dopamine Receptor Antagonist: qHTS (AID 652054)
BRD-K87230984-001-01-2 PubChem CID : 54638196		0.96 (in 2 replicates)	-0.66	0.052				Total number of assays tested in: 38.
BRD-K36341910-001-05-9 MLS000764510 SMR000290115 AC1MJQFS BAS 00255348 BDBM60660 HMS2694G18 ZINC6445401 ZINC06445401 PubChem CID : 3096139		NA (in 1 replicates)	-0.66	NA				Total number of assays tested in: 634. Active in the following assays: • Luminescent assay for identification of activators of bovine intestinal alkaline phosphatase (AID 1016) • Multiplex HTS Assay for Inhibitors of MEK Kinase PB1 Domains, specifically MEK5 binding to MEK Kinase 2 Wildtype (AID 1531) • Identification of SV40 T antigen inhibitors: A route to novel anti-viral reagents (AID 1903) • A biochemical assay using the ADP-Hunter methodology, purified TAg, and ATP to identify compounds that inhibit the ATPase activity of Tag - Counter Screen (AID 2501) • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of the prolyl oligopeptidase-like enzyme (PREPL) (AID 2751) • 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 Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) • qHTS Assay for Inhibitors of BAZ2B (AID 504333) • qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339) • Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832) • Inhibition of Trypanosoma cruzi TryR using trypanothione as substrate preincubated for 10 mins (AID 617146) • A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296) • uHTS identification of small molecule inhibitors of Low Molecular Weight Protein Tyrosine Phosphatase, LMPTP, via a fluorescence intensity assay (AID 651560) • Dose response confirmation of small molecule inhibitors of Low Molecular Weight Protein Tyrosine Phosphatase, LMPTP, via a fluorescence intensity assay (AID 651700) • QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM17. (AID 720648)