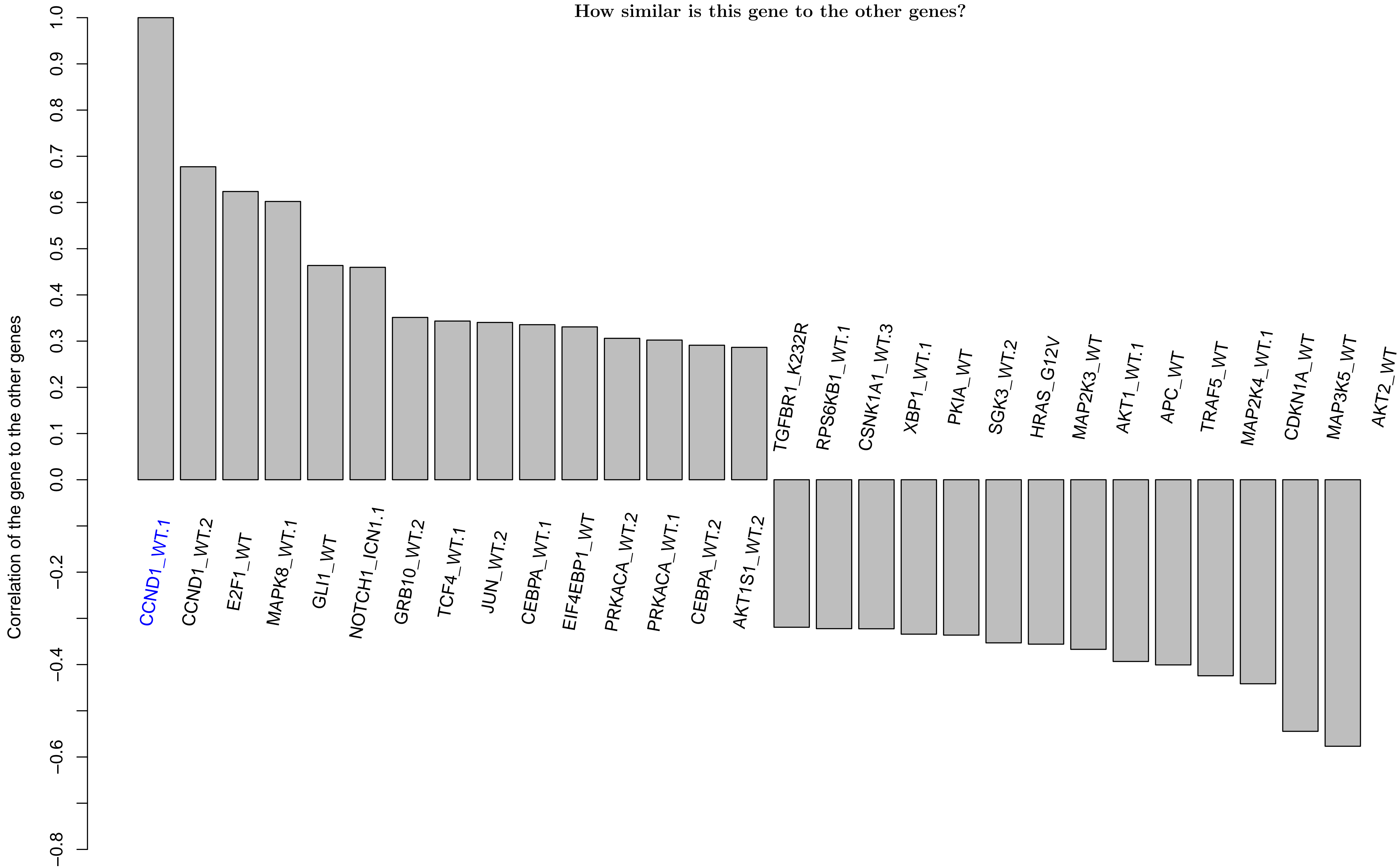
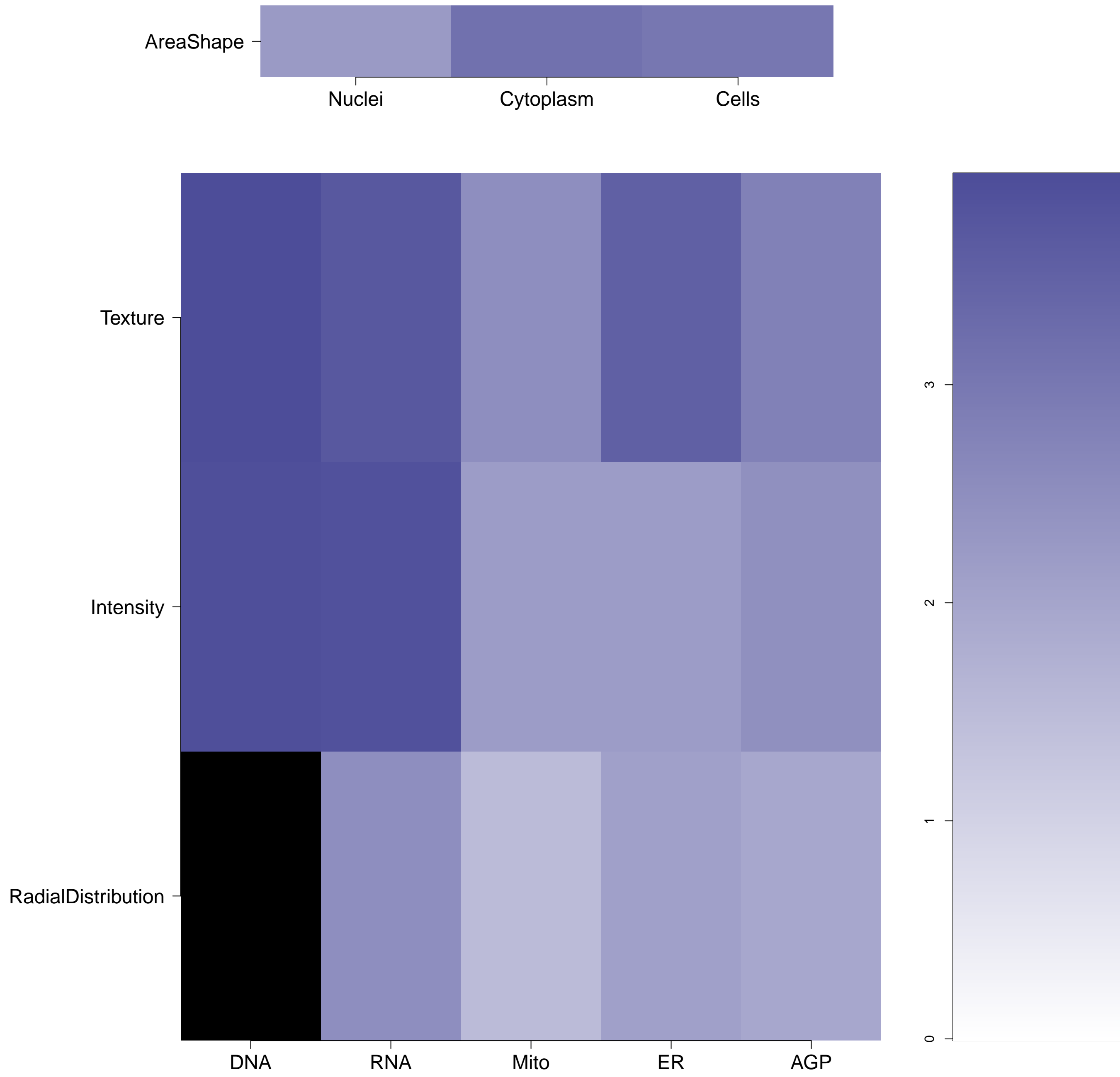


CCND1.WT.1 - in Canonical Cell Cycle

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.1 (41744)

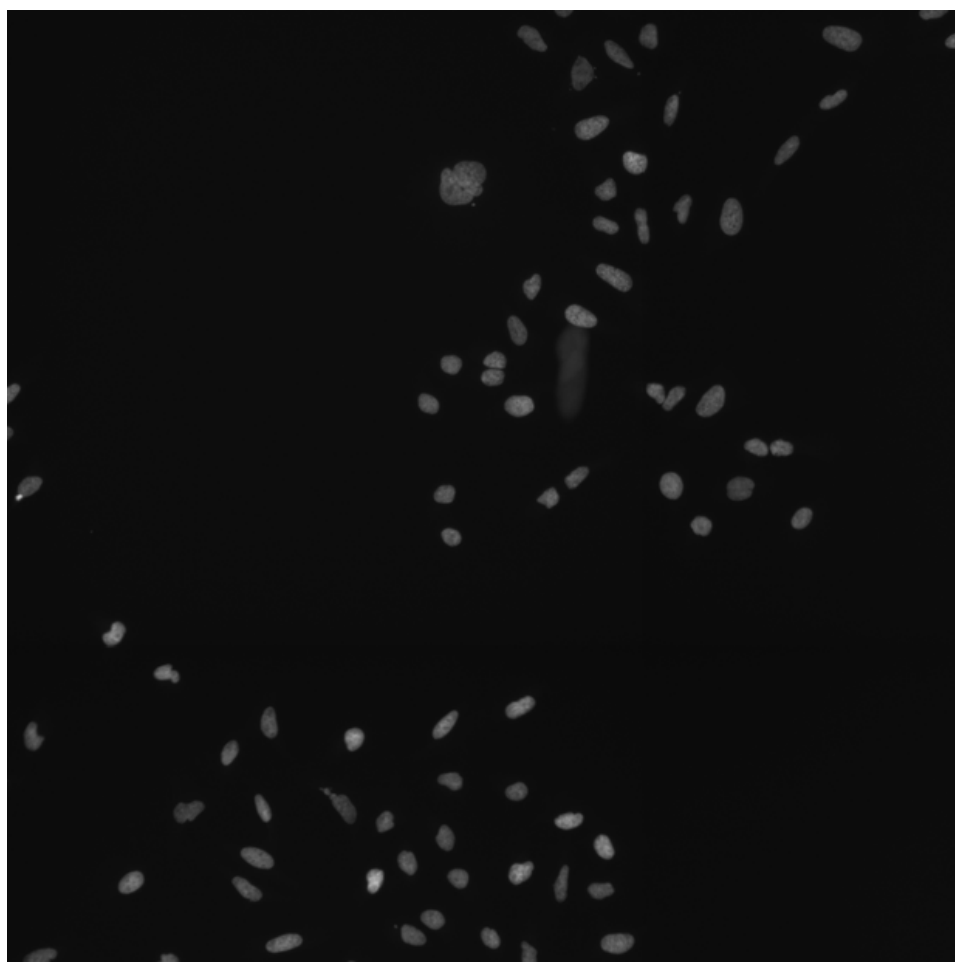
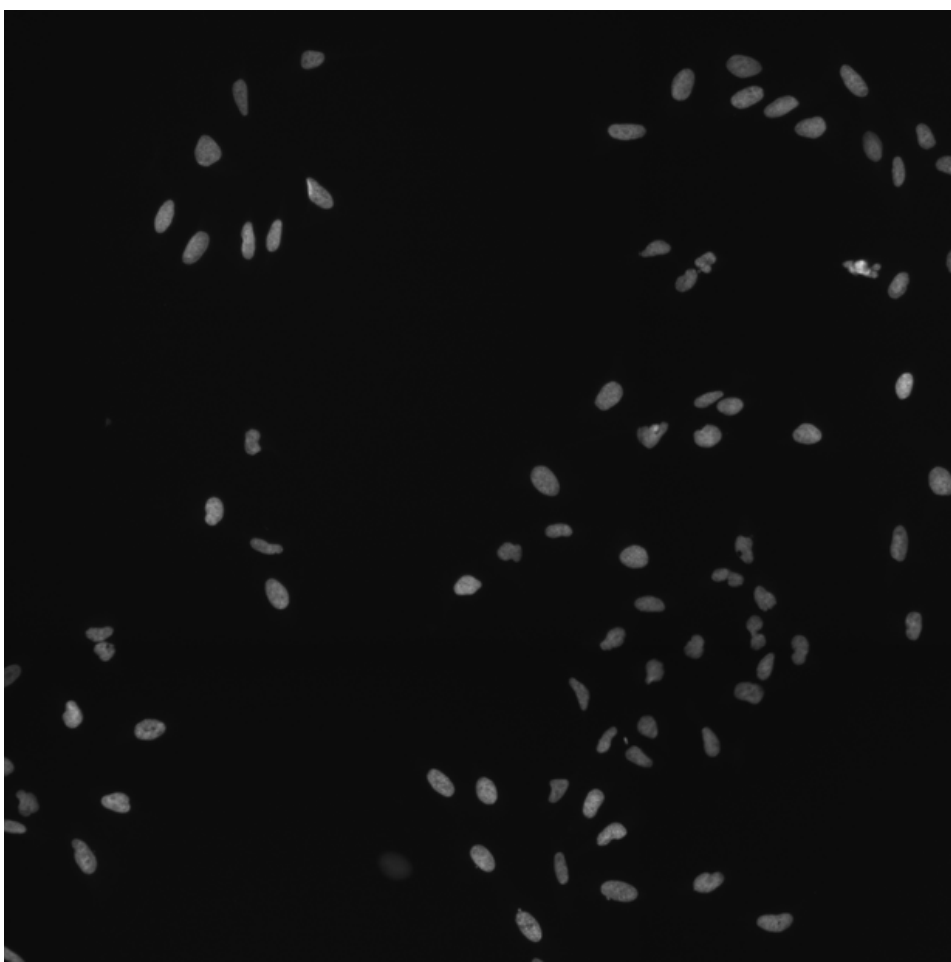
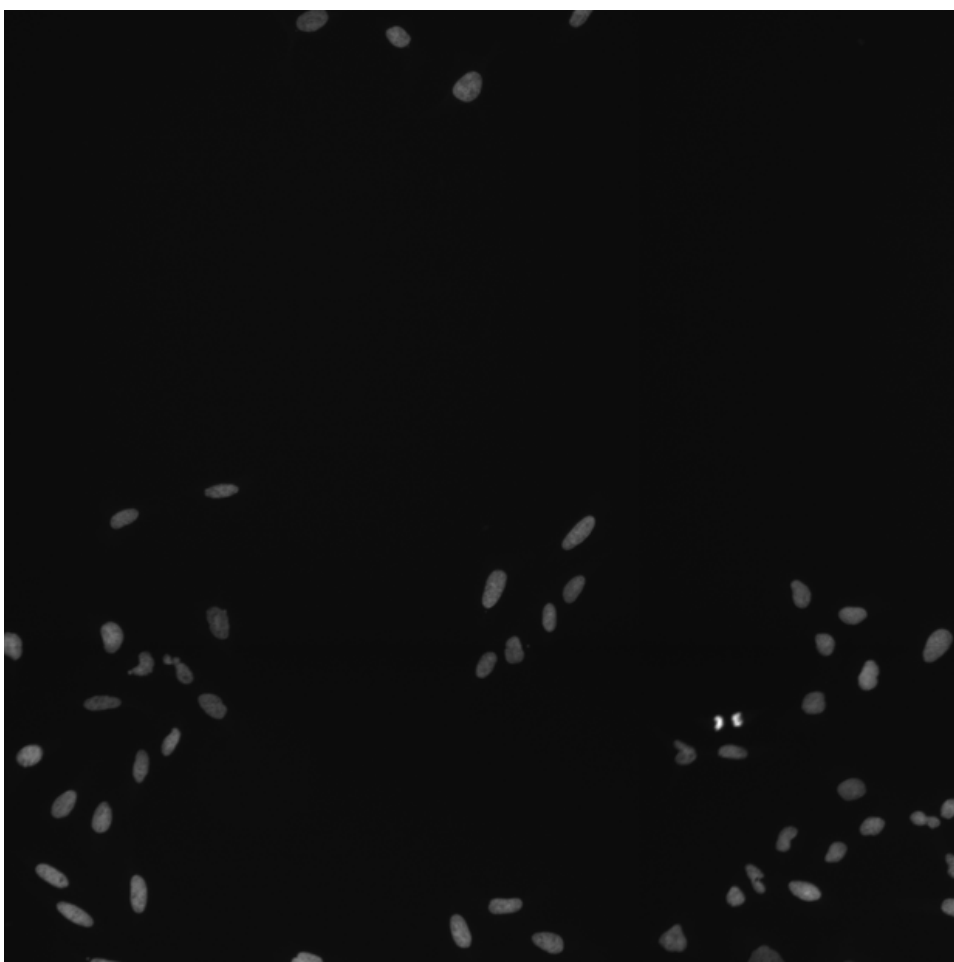
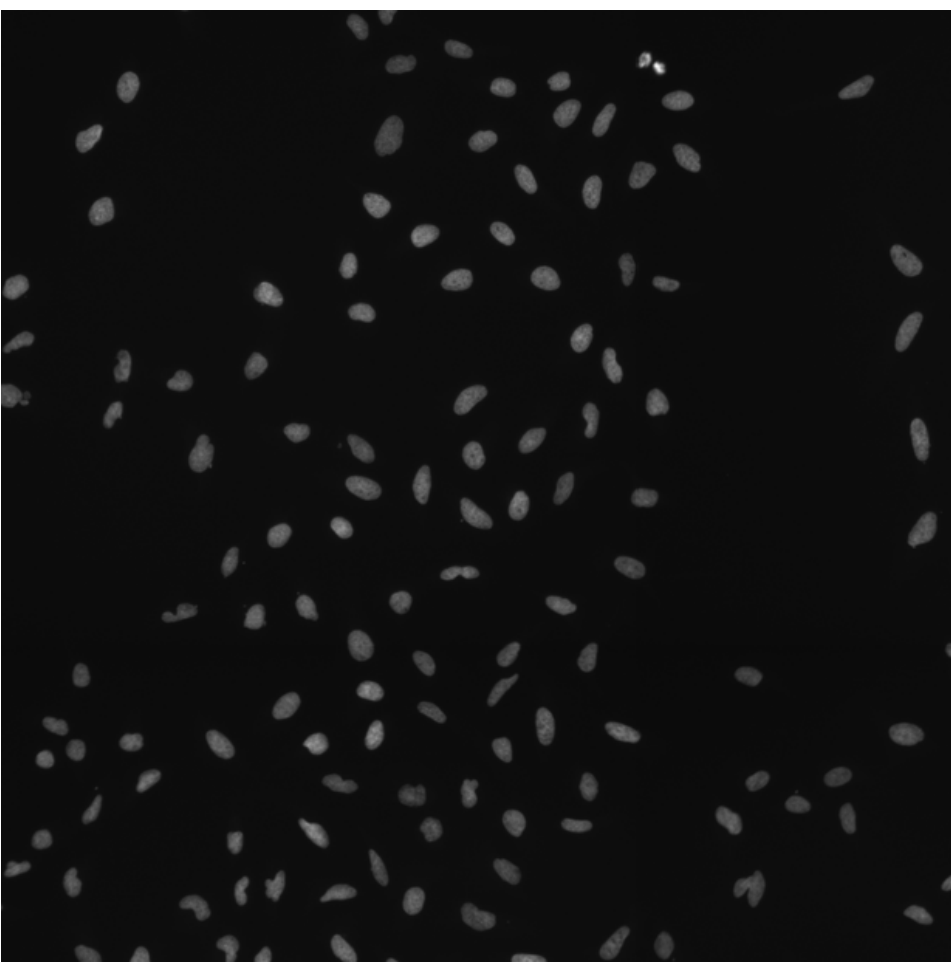
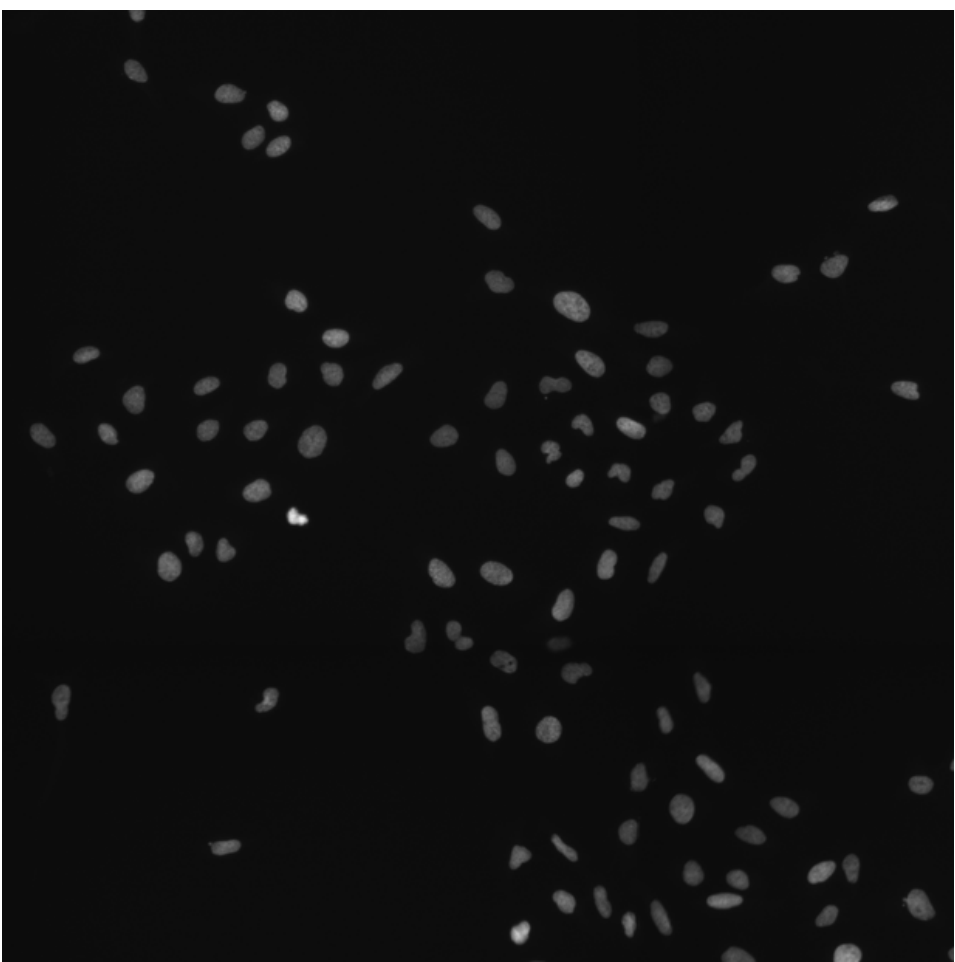
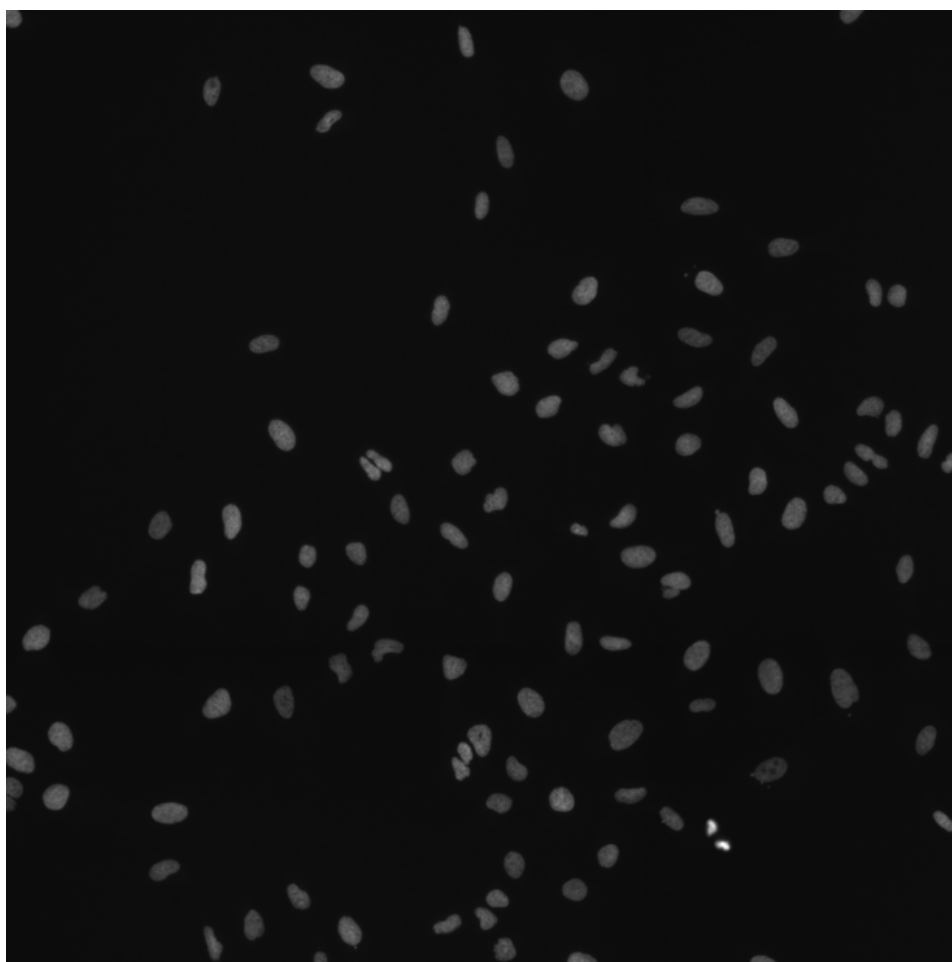
CCND1.WT.1 (41755)

CCND1.WT.1 (41756)

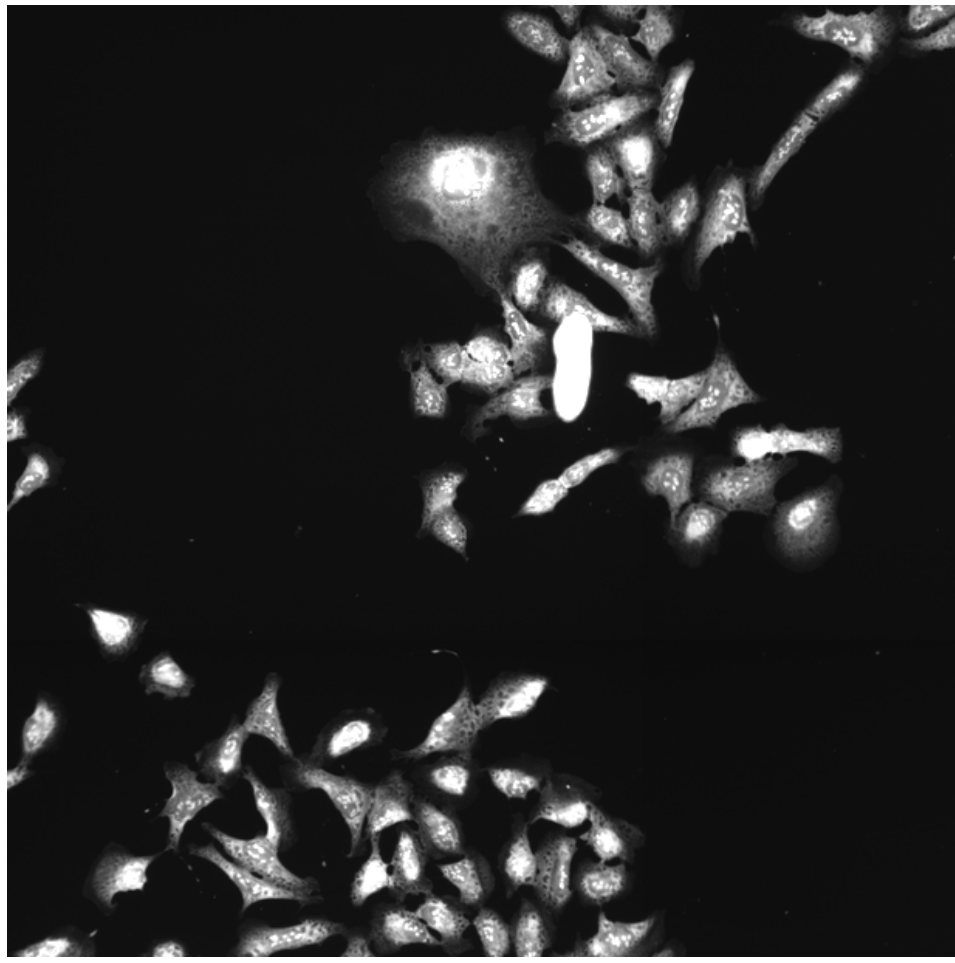
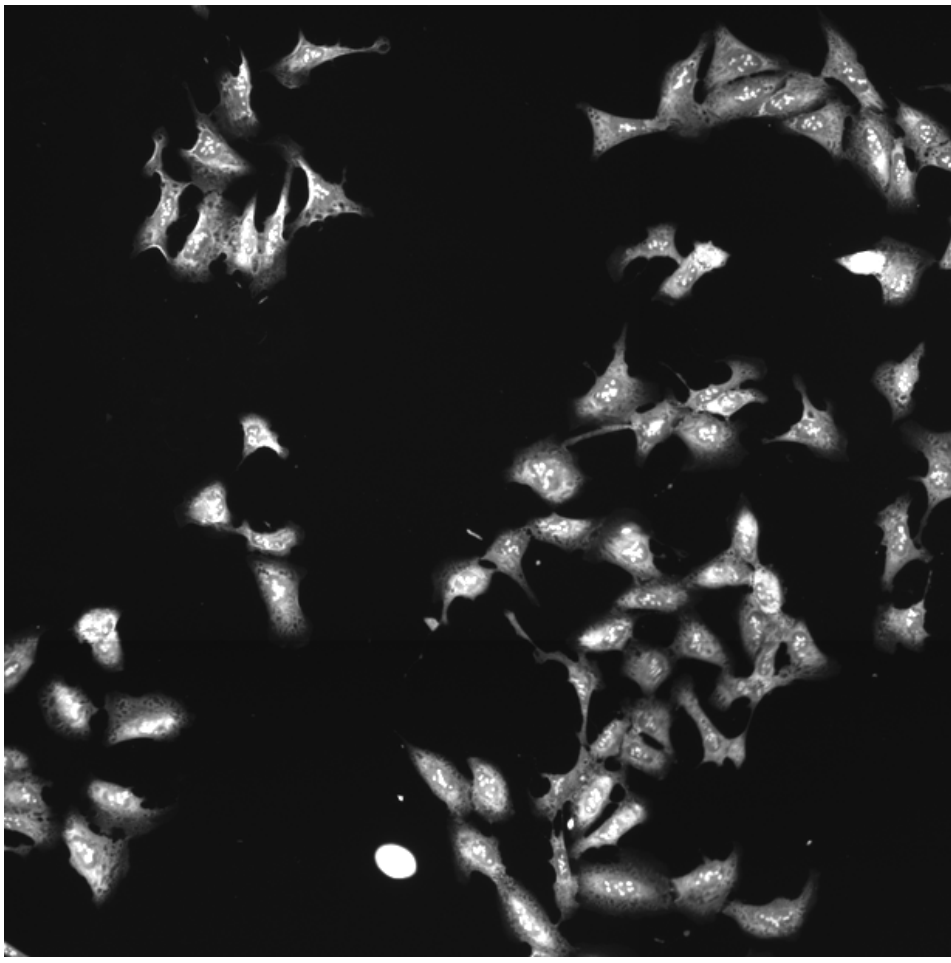
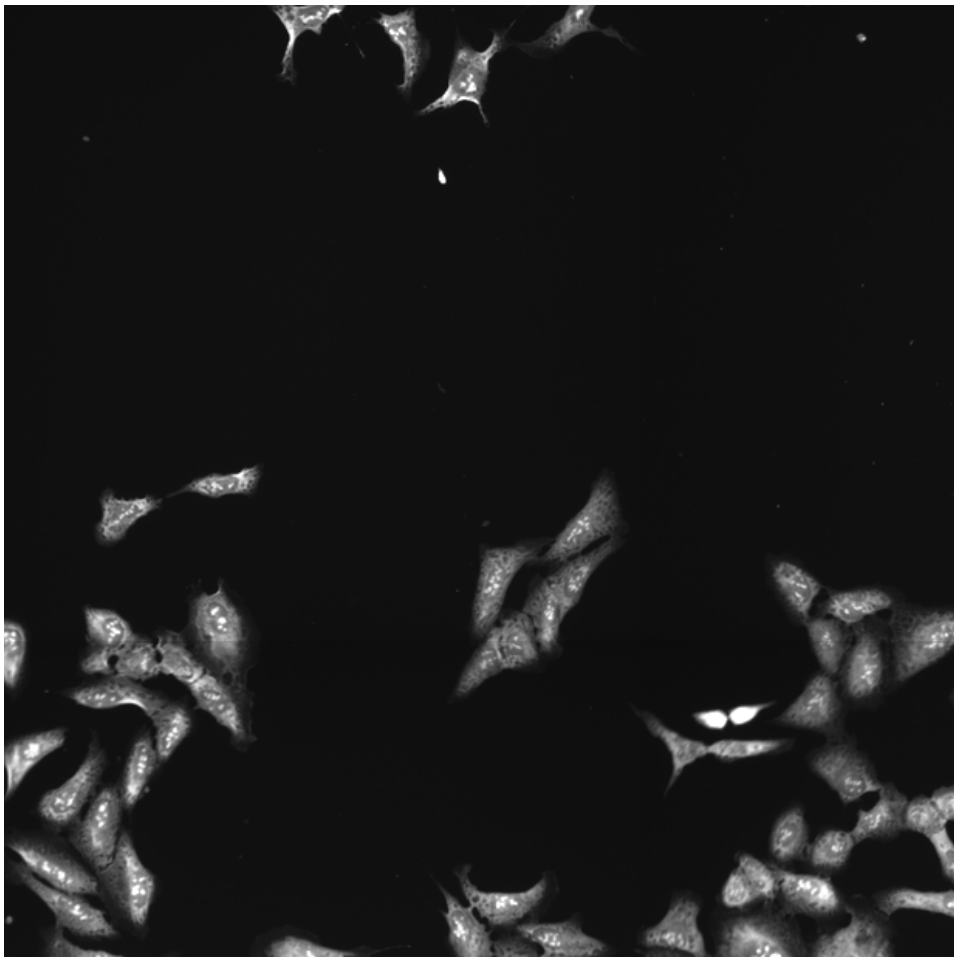
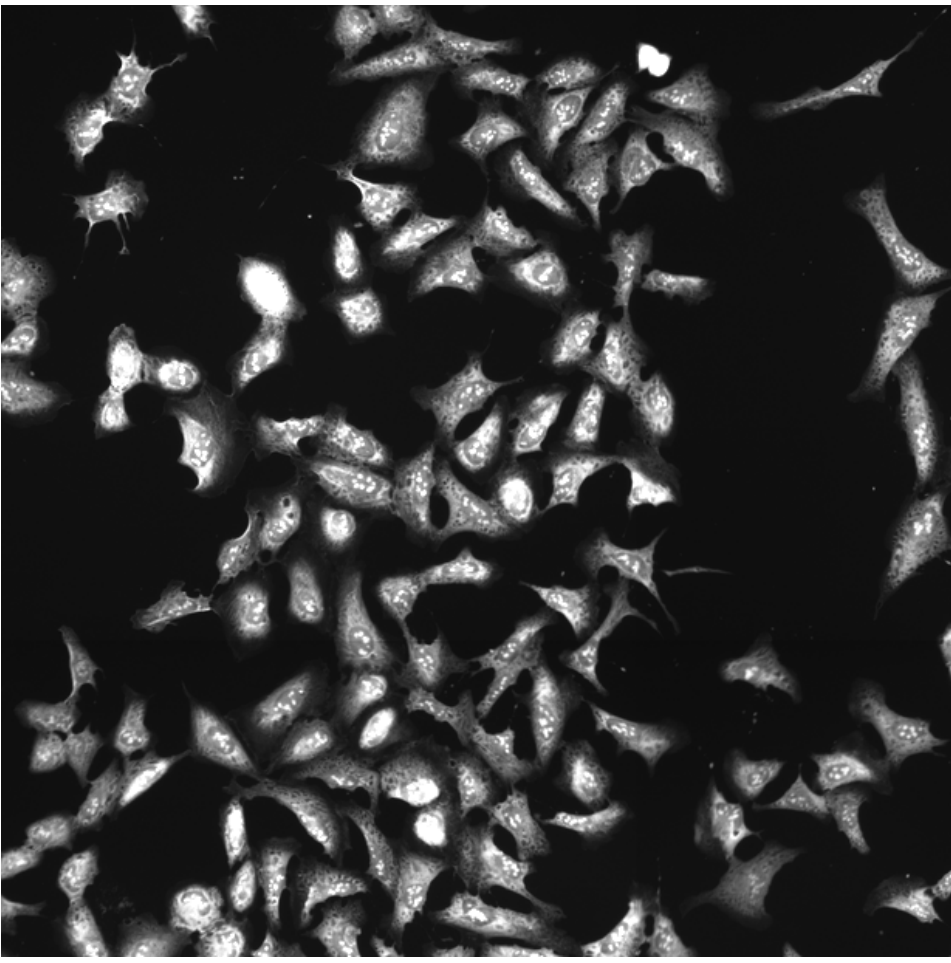
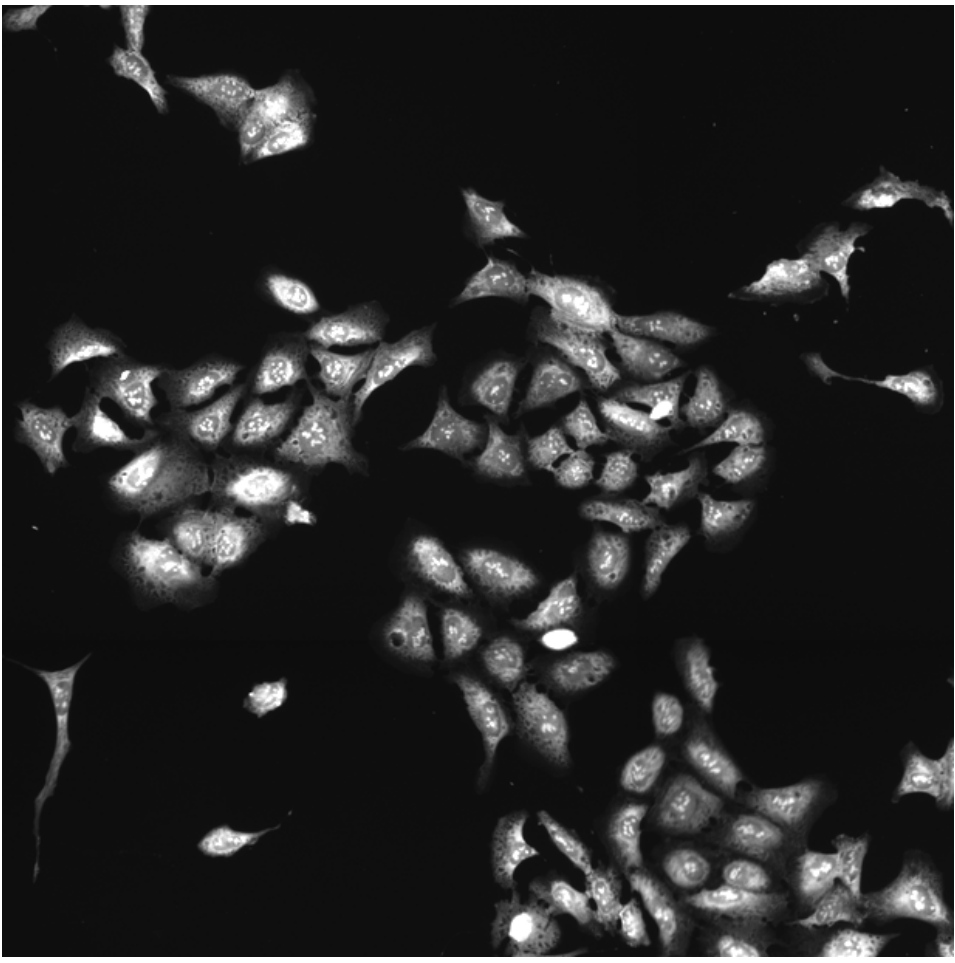
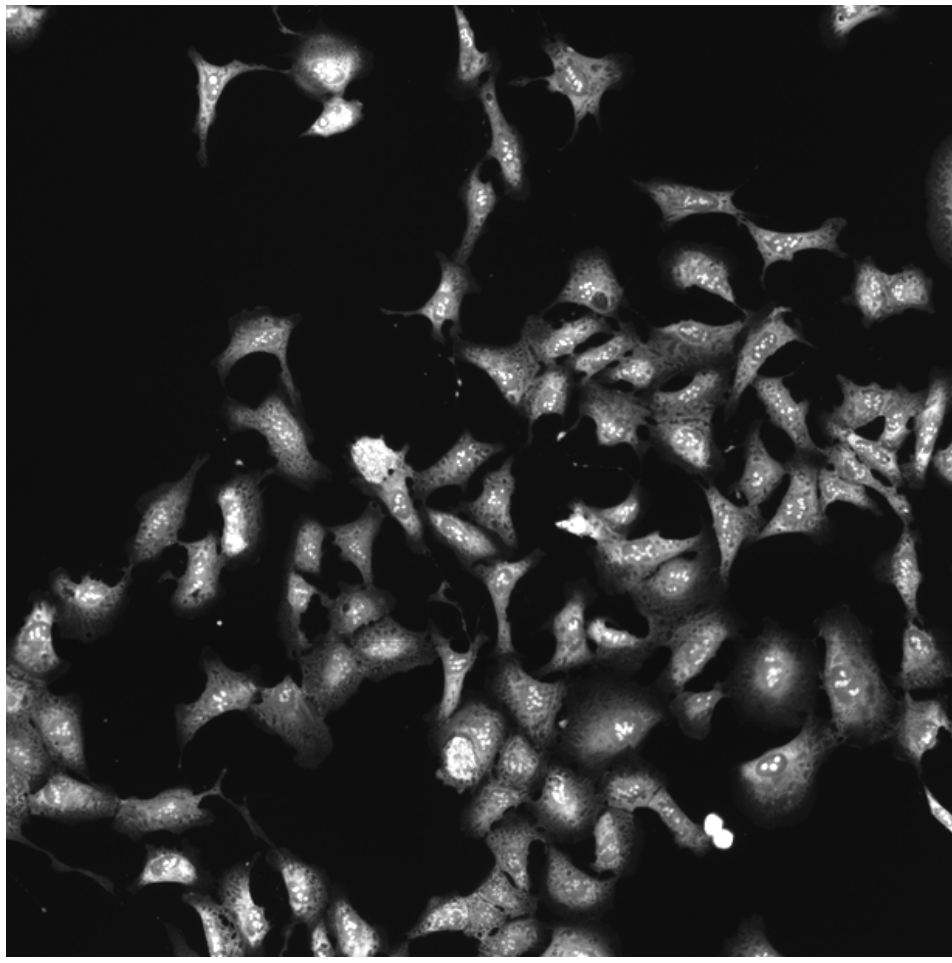
CCND1.WT.1 (41757)

CCND1.WT.1 (41754)

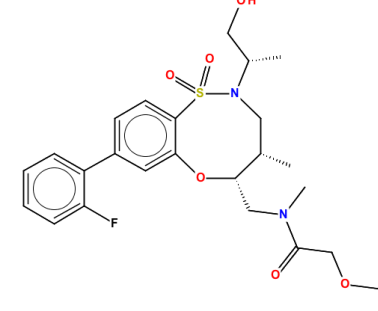
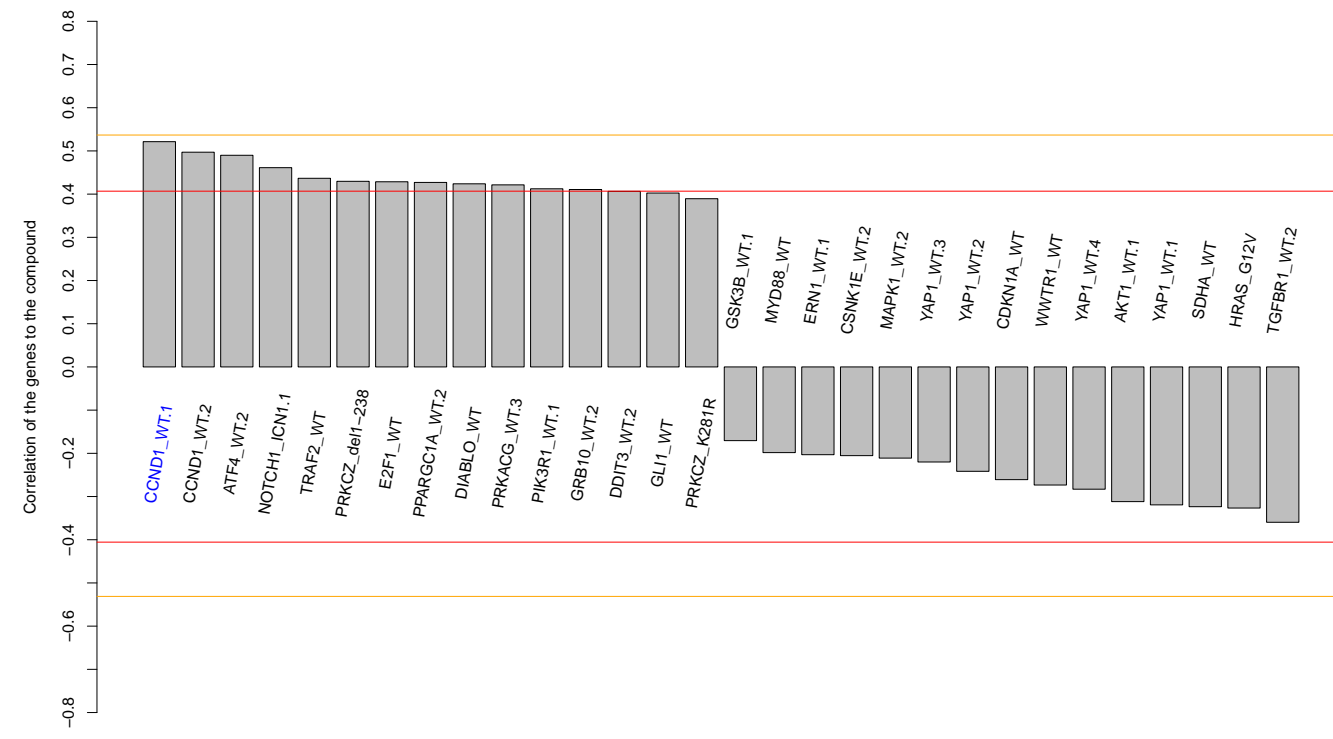
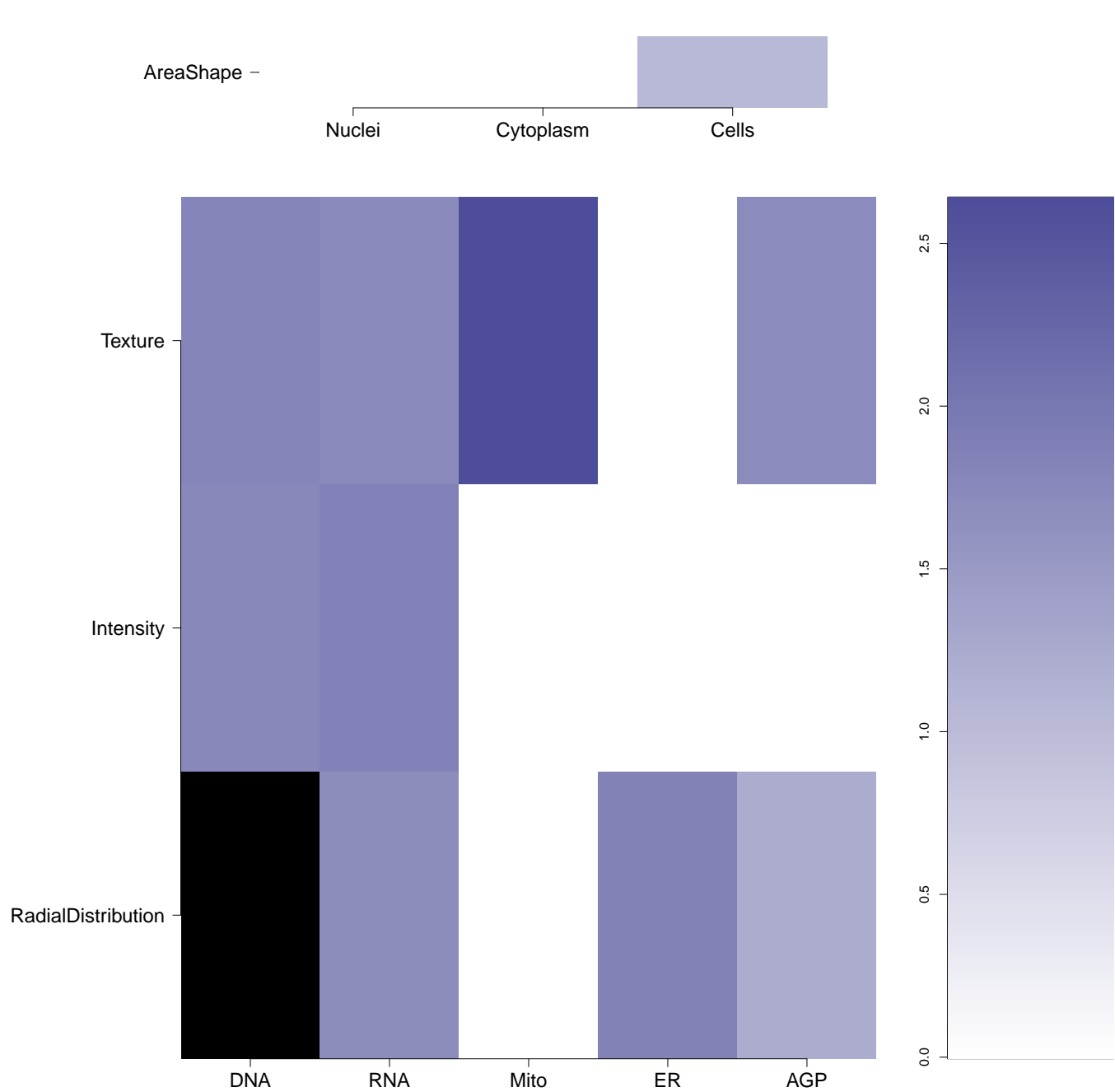
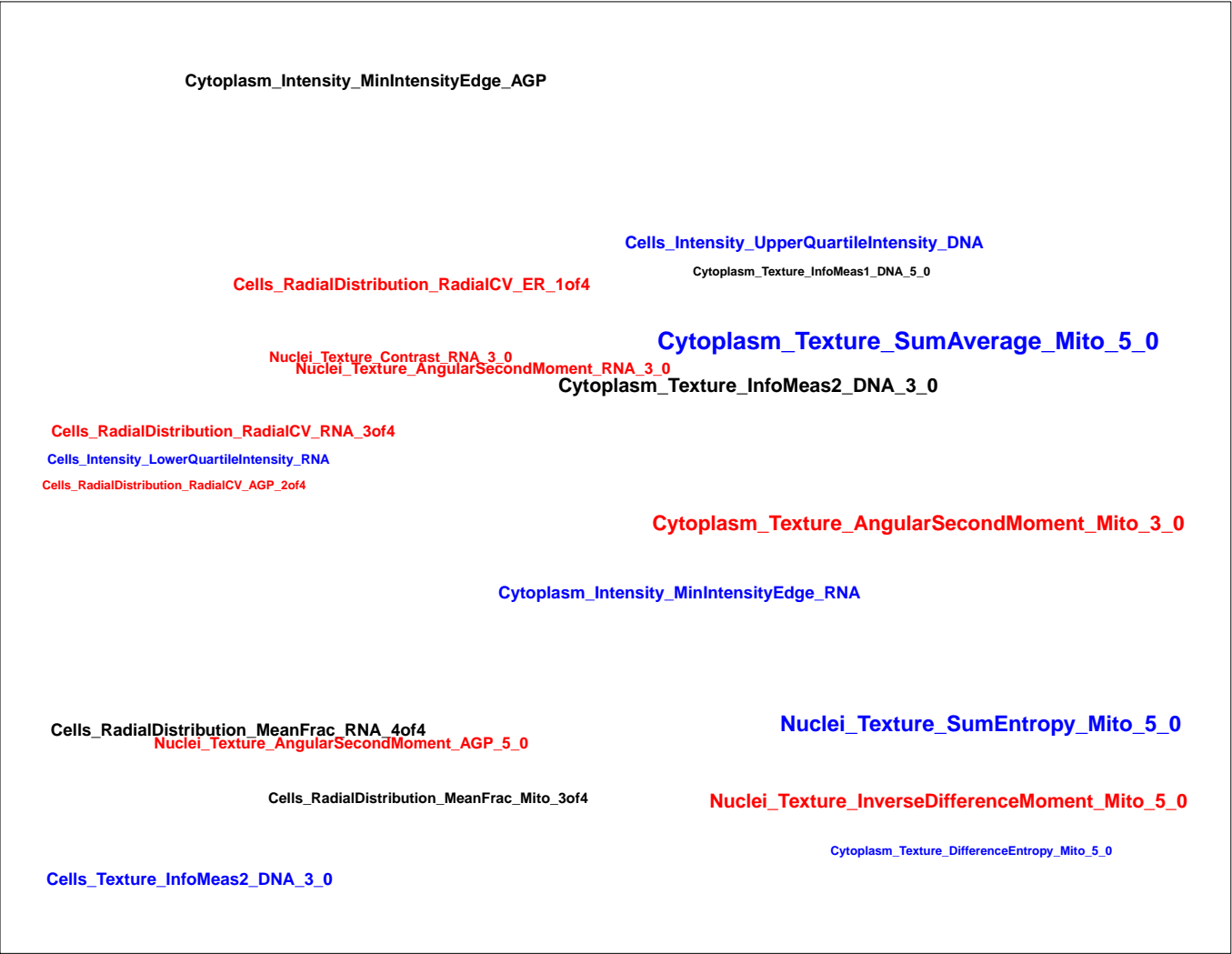
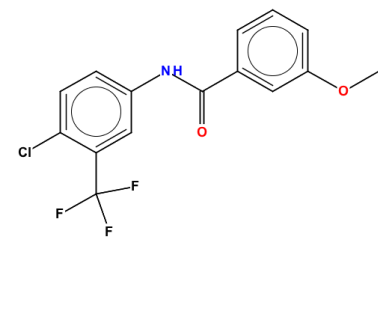
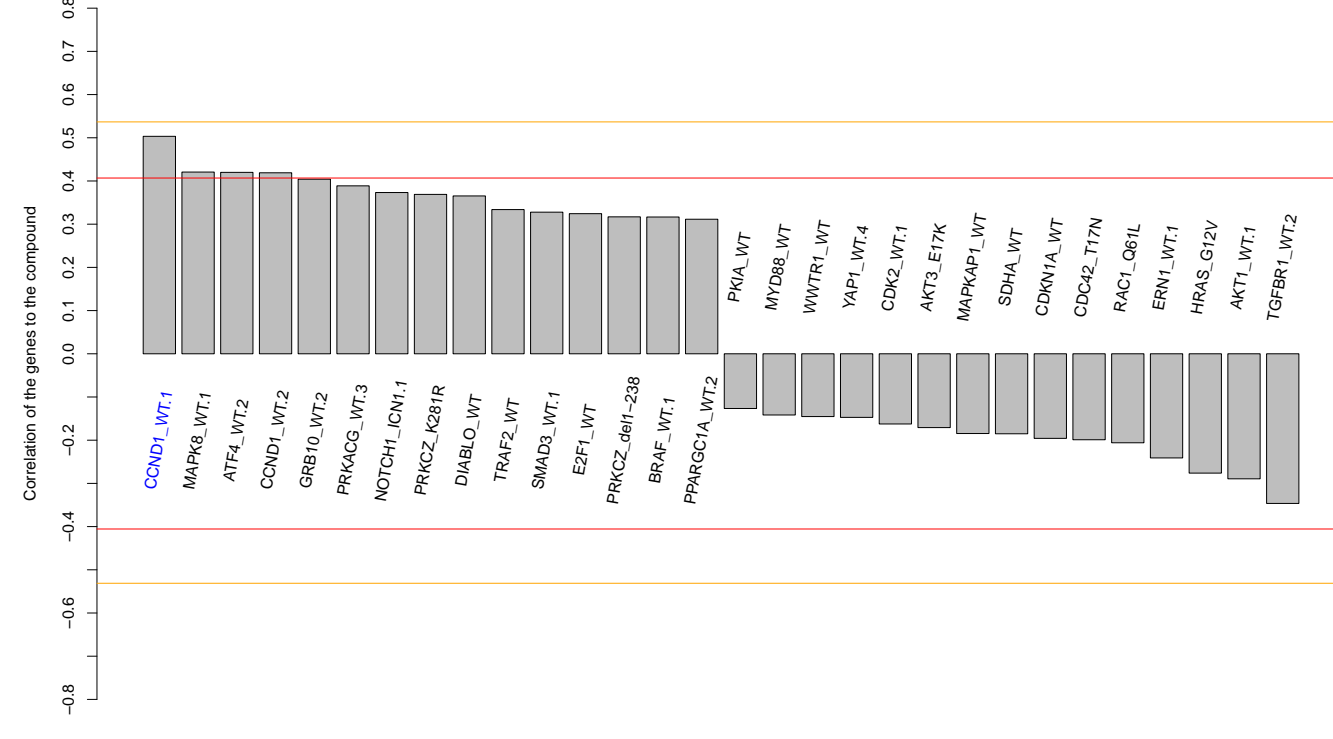
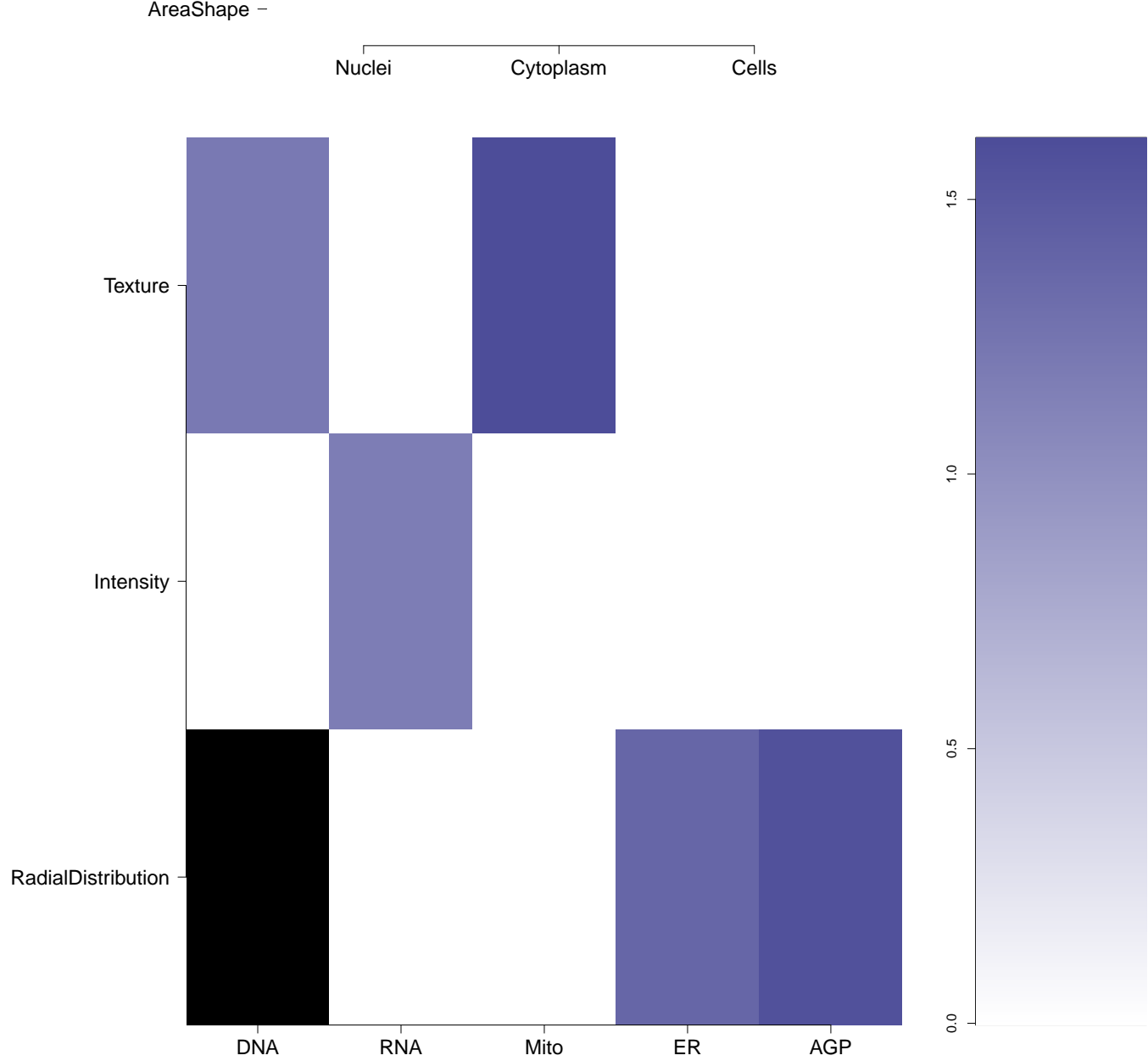
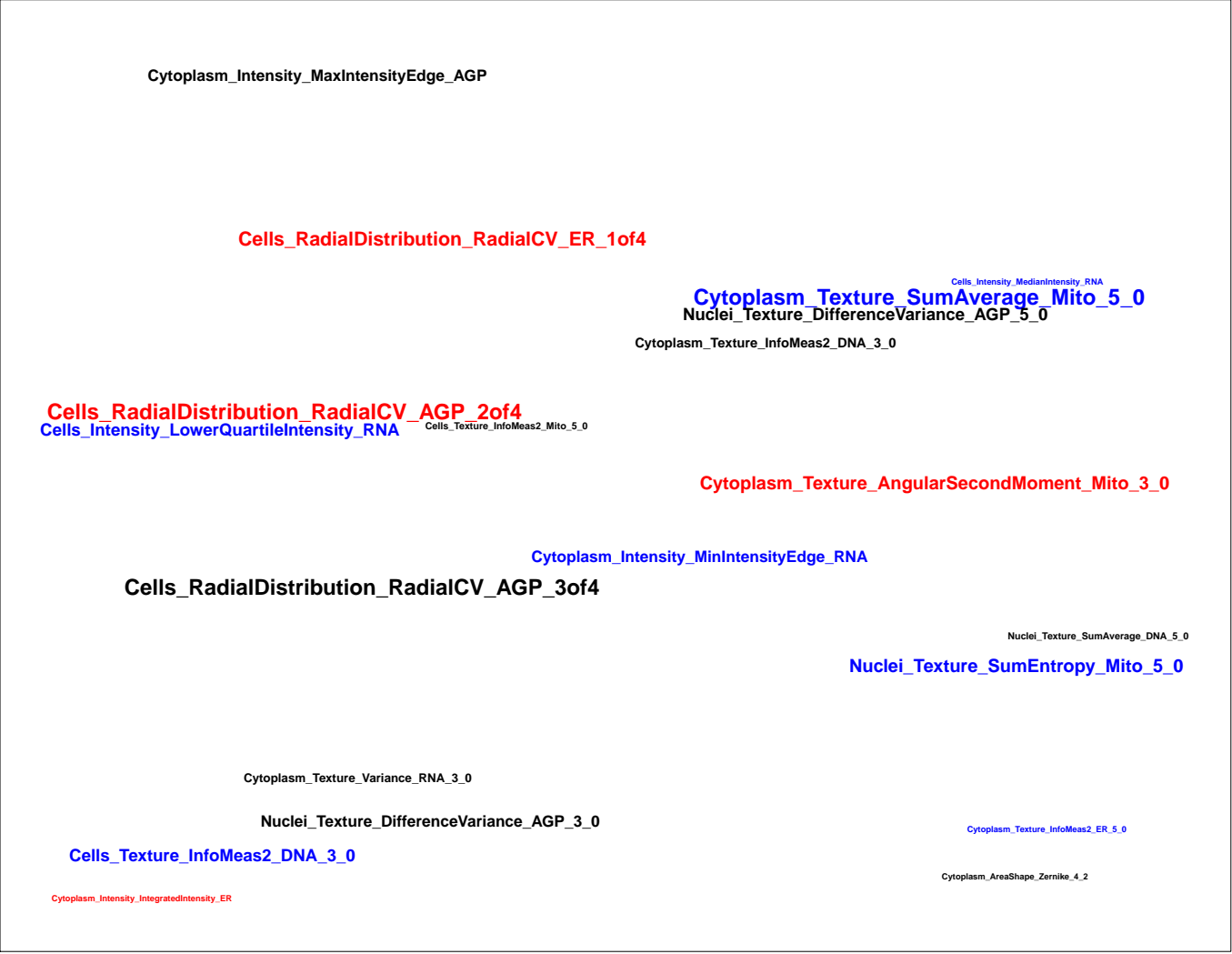
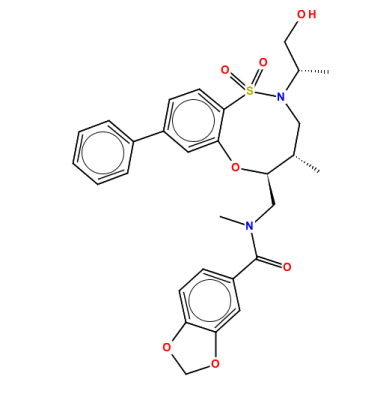
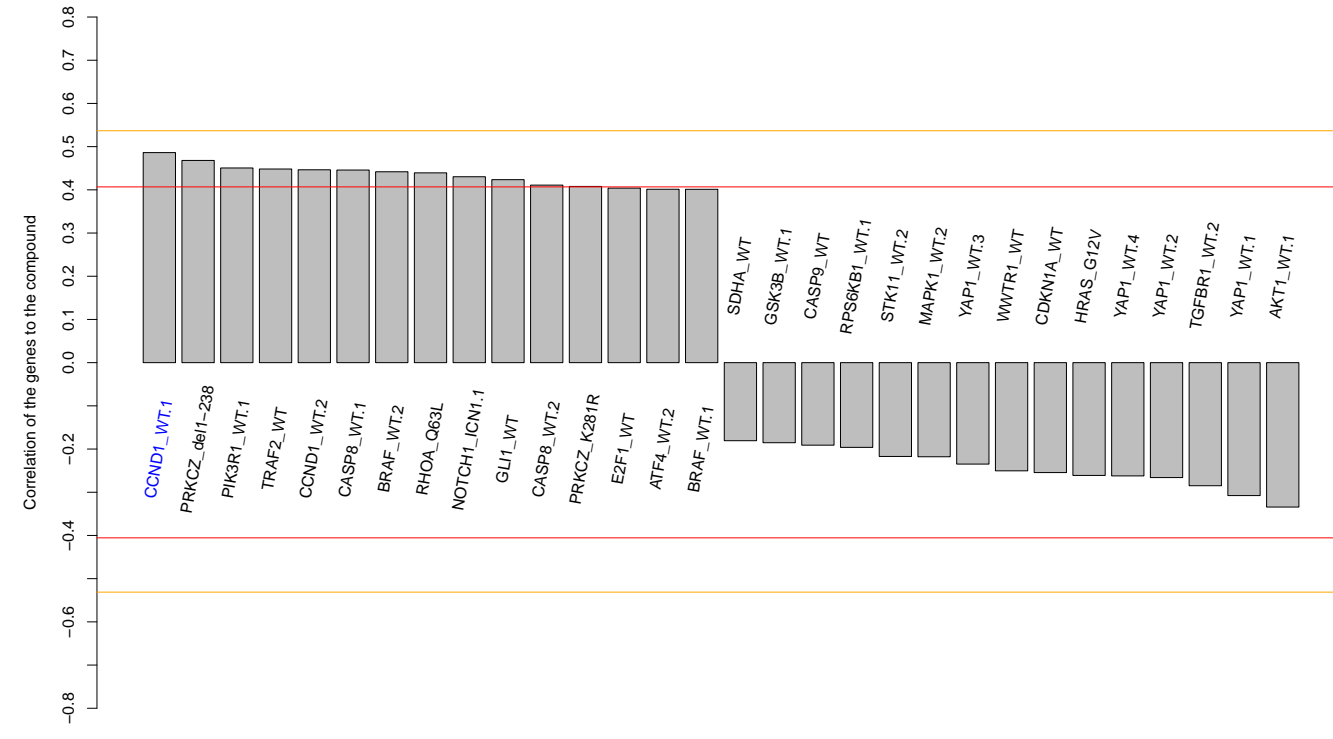
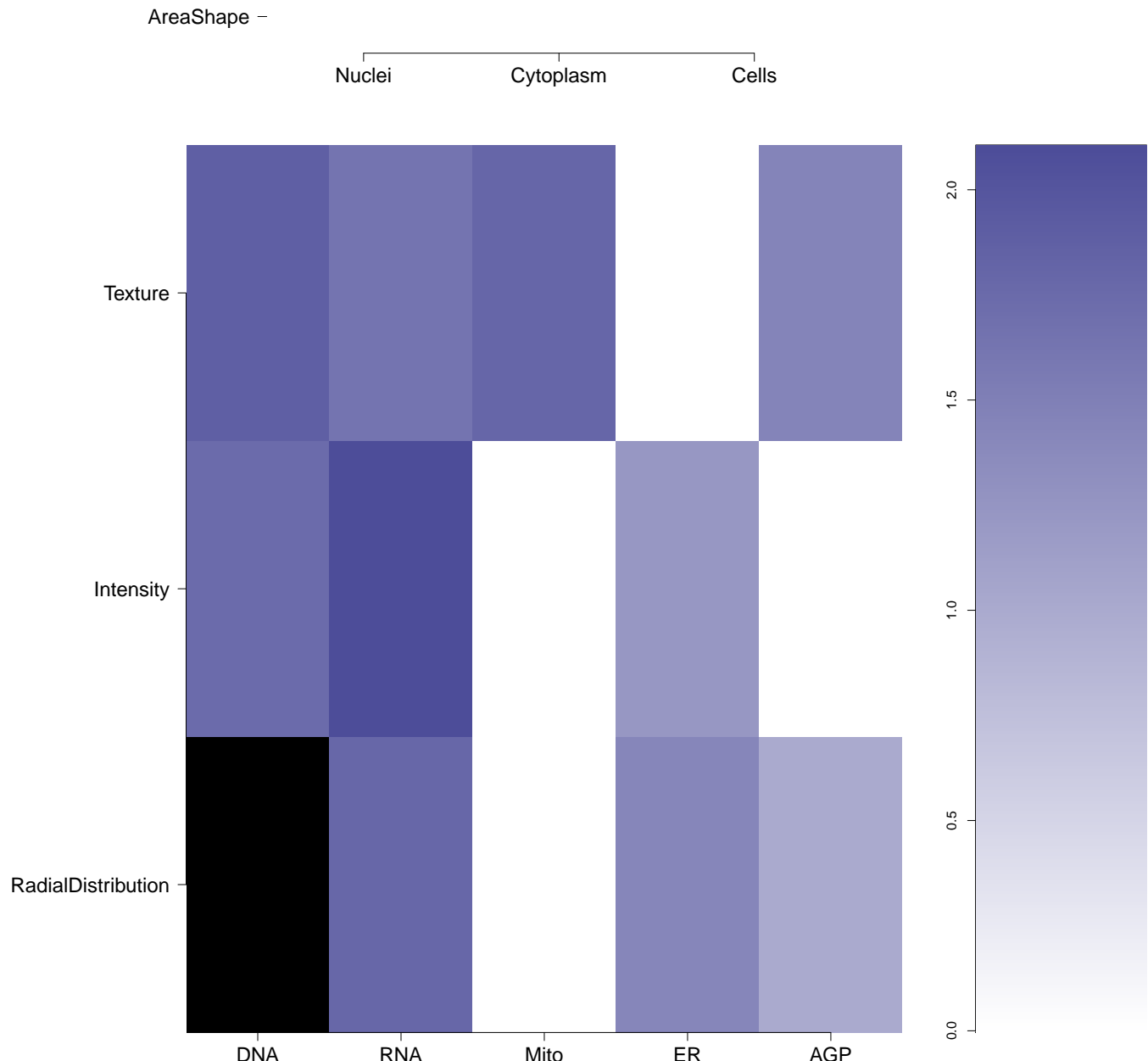
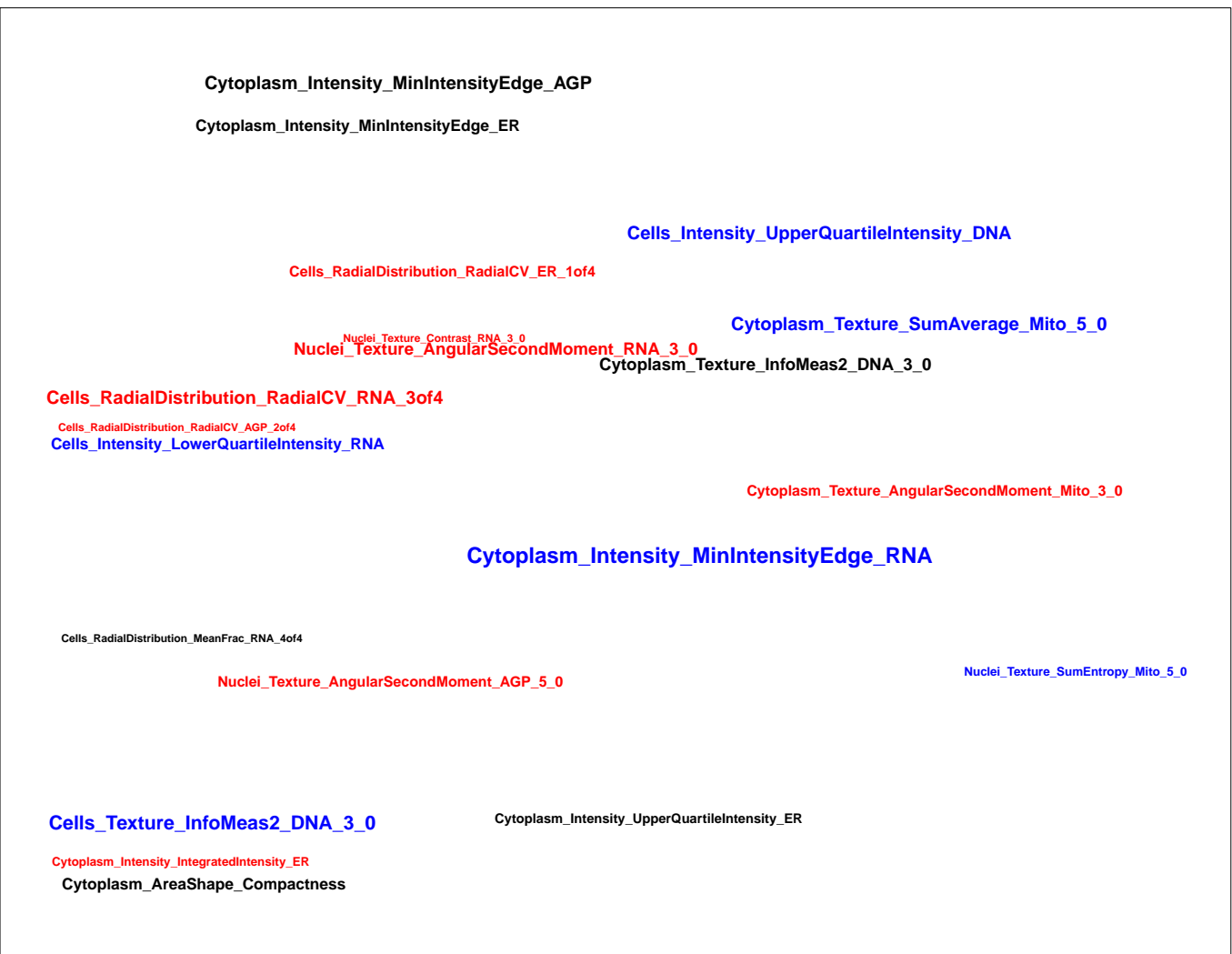
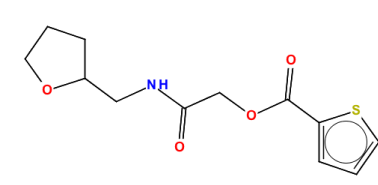
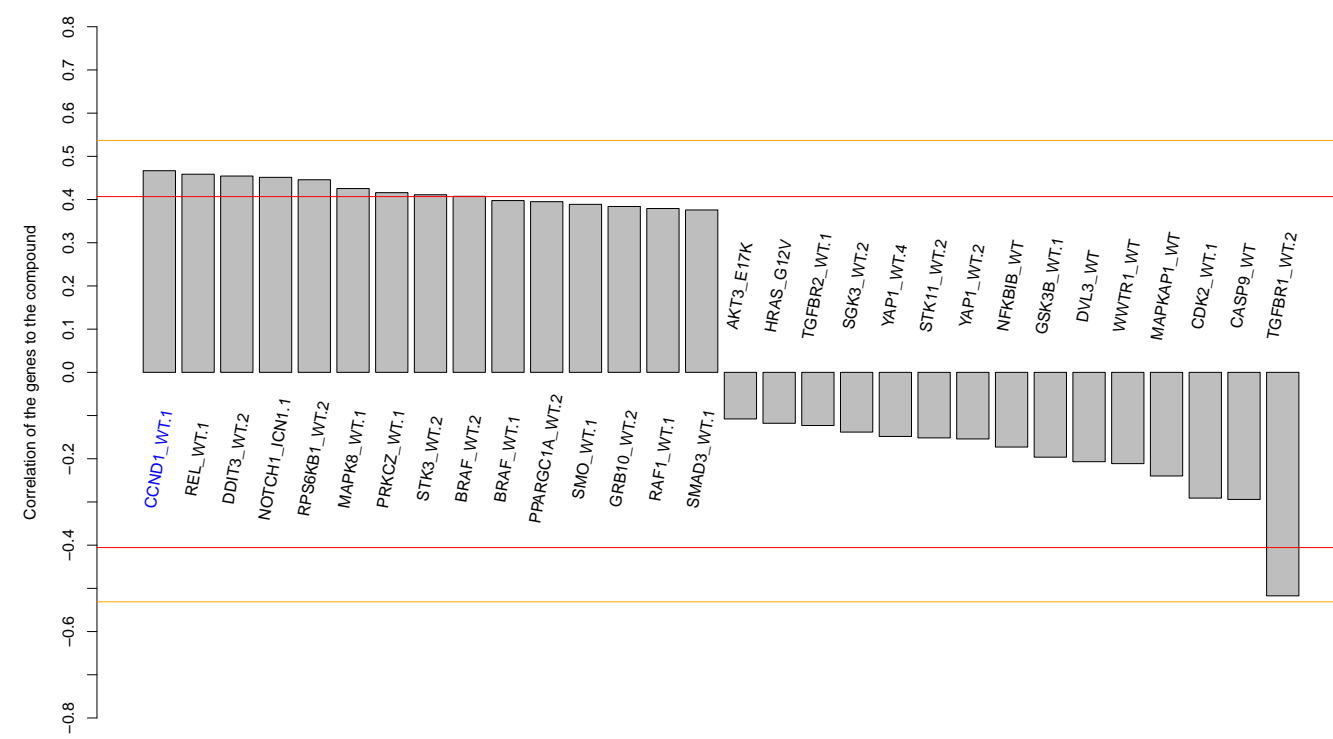
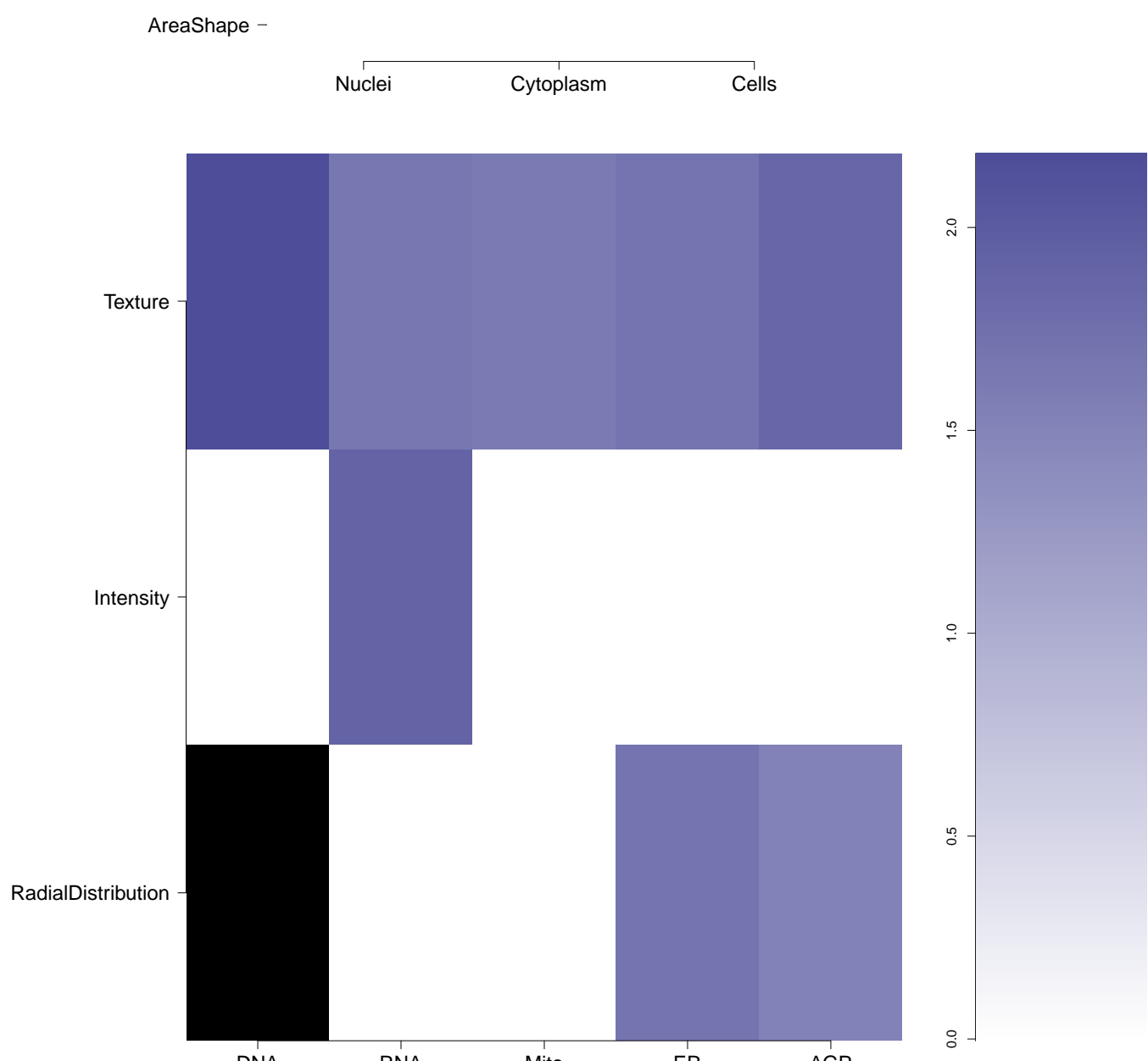
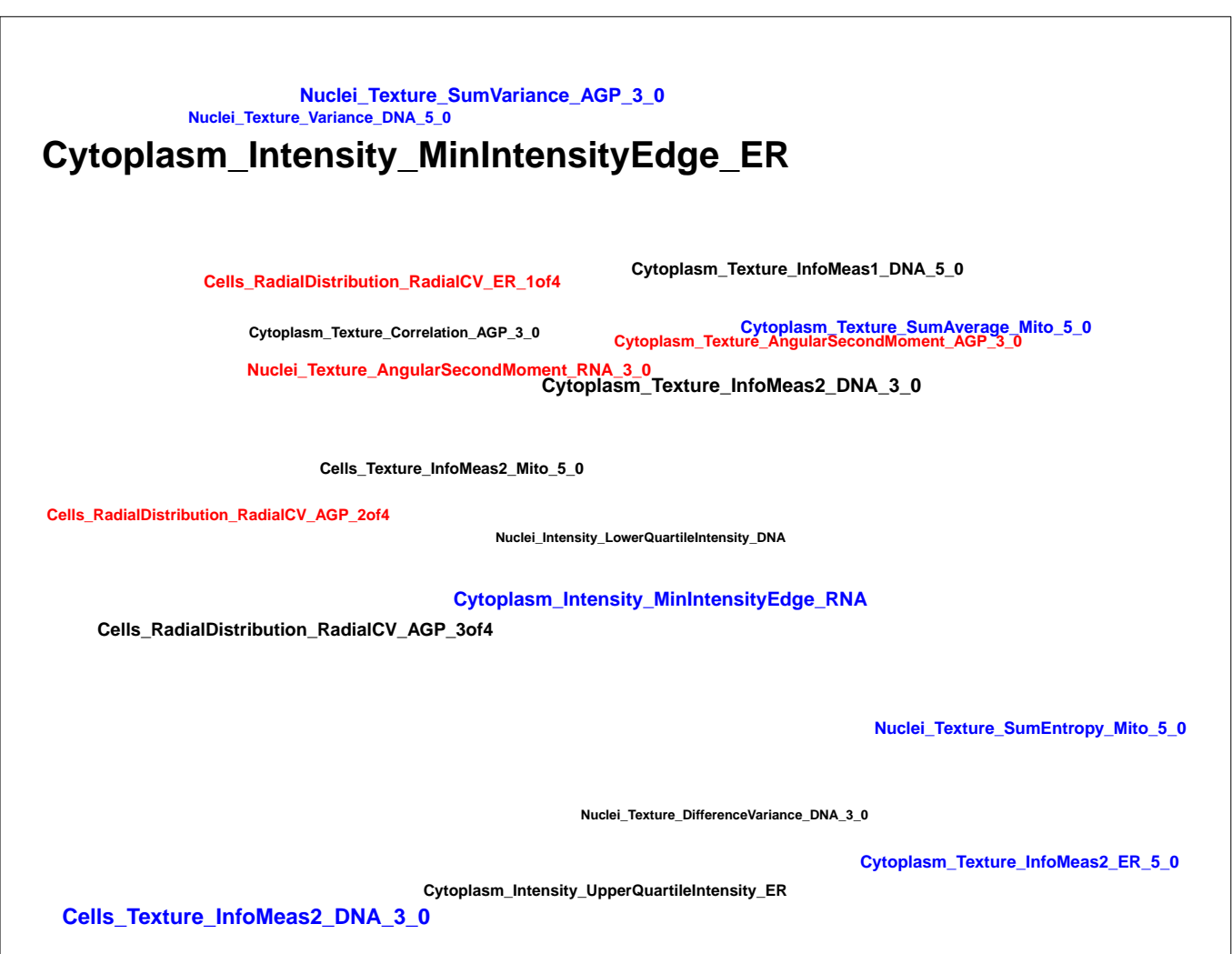
DNA

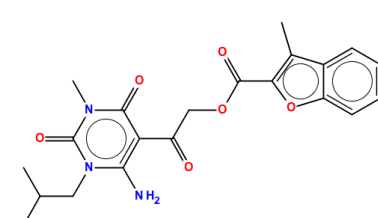
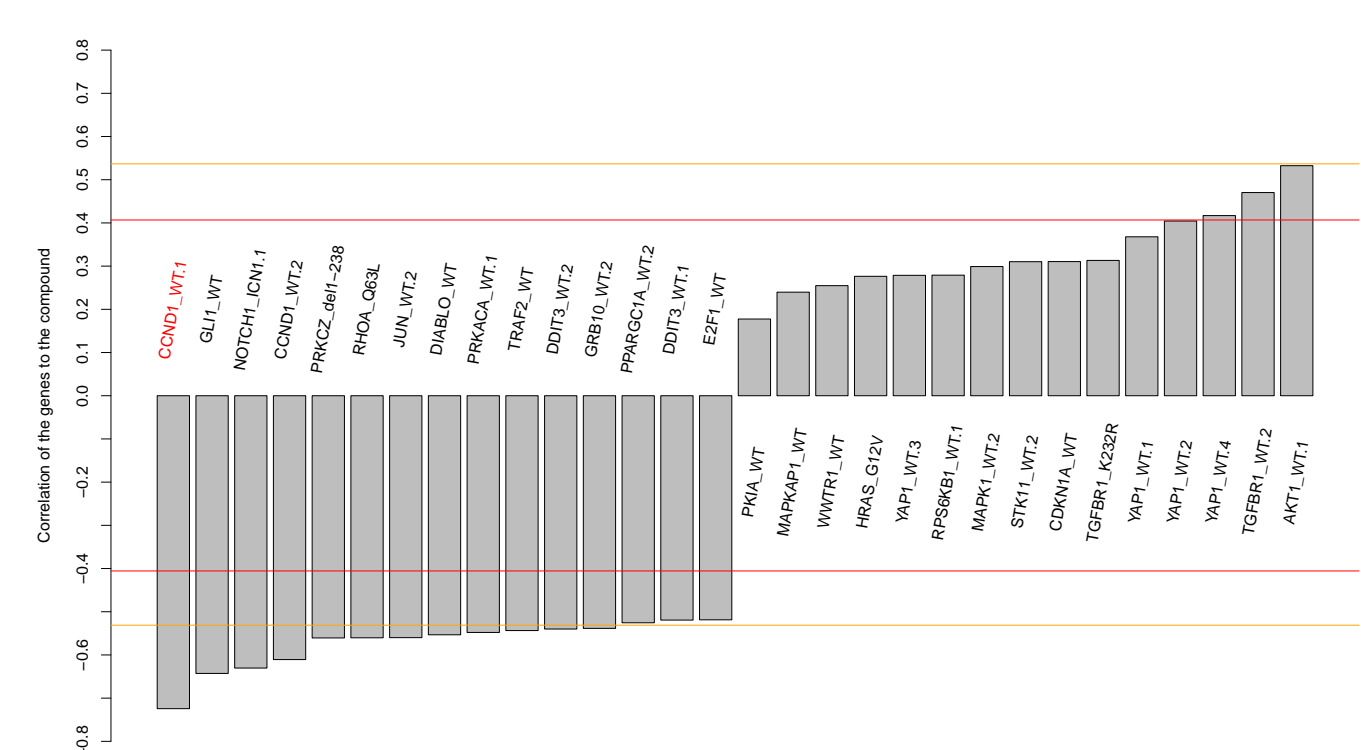
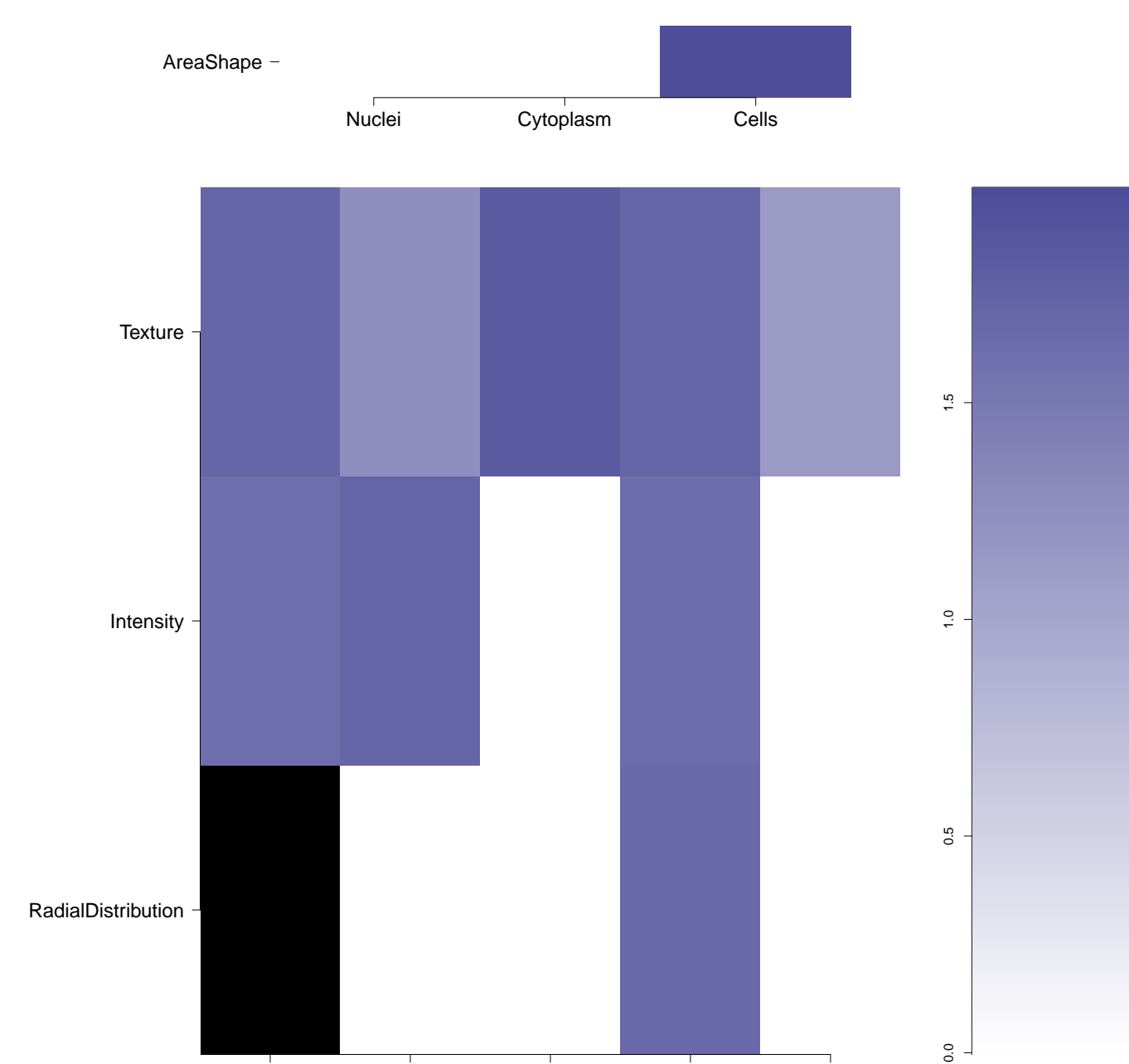
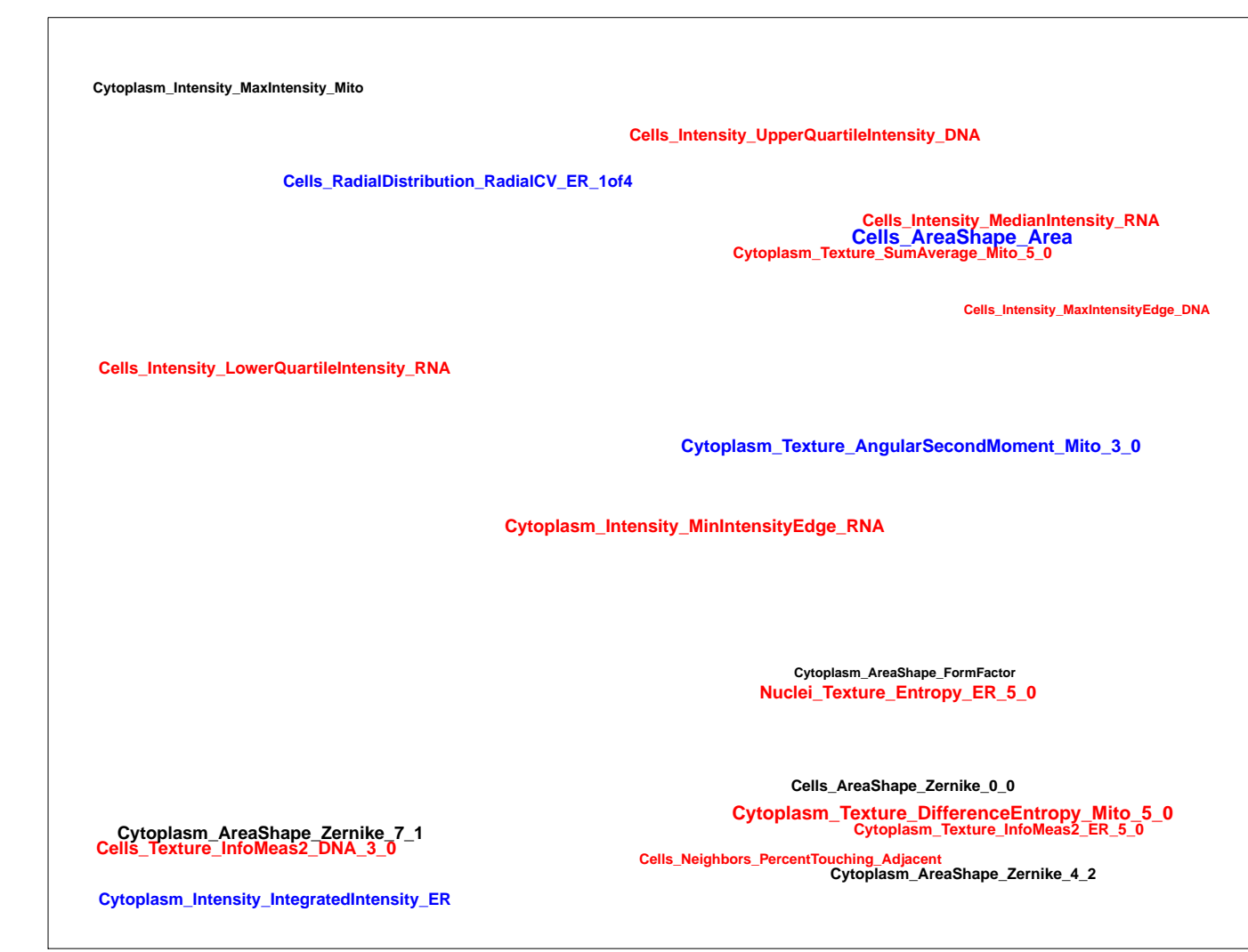
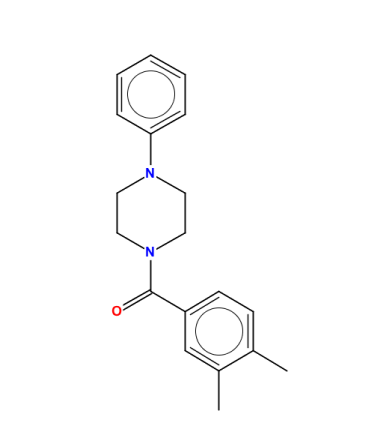
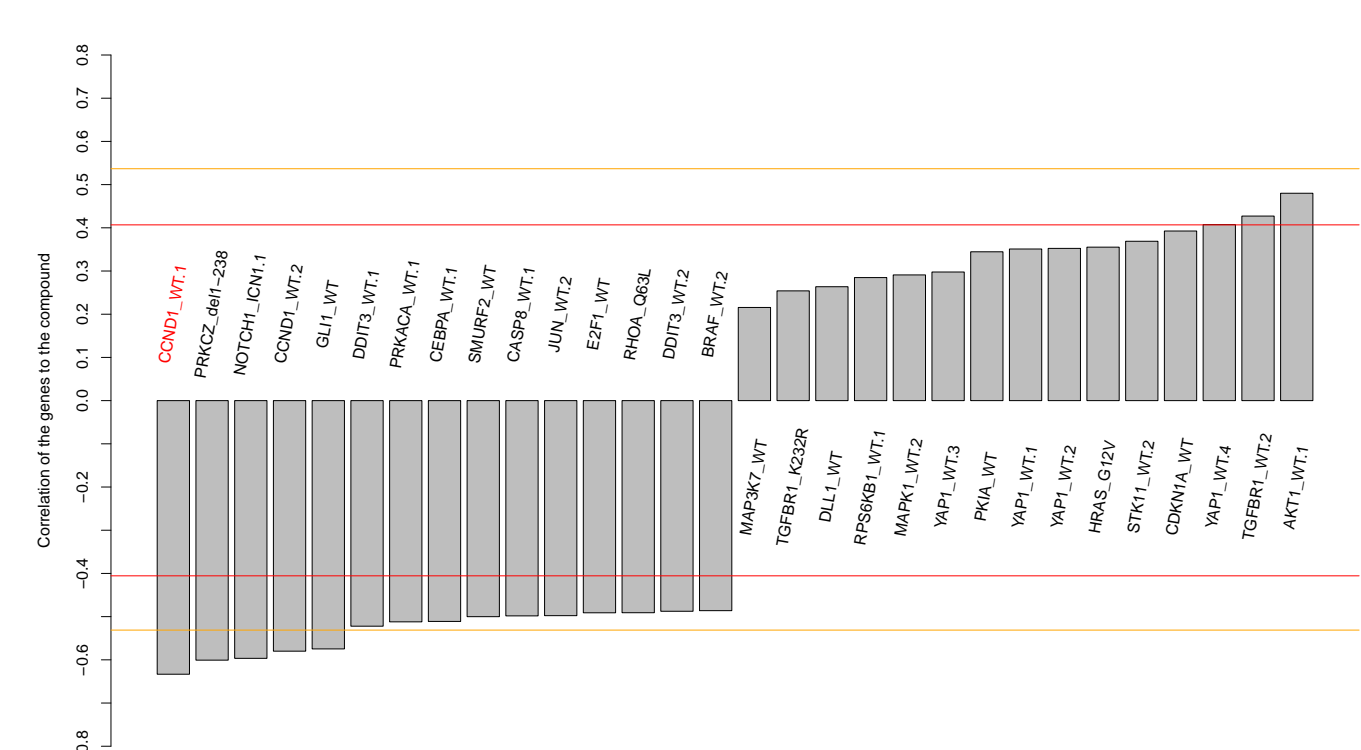
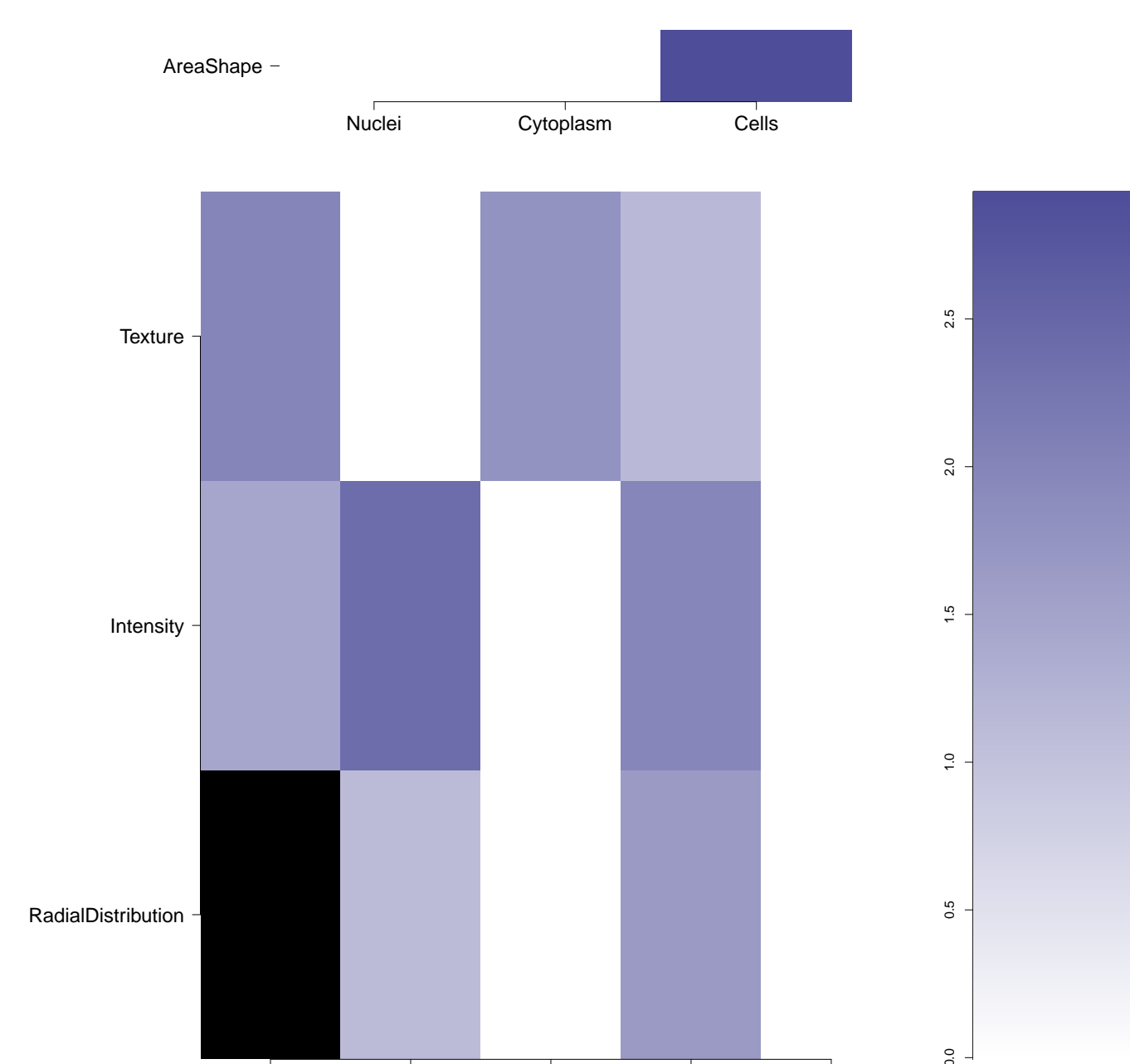
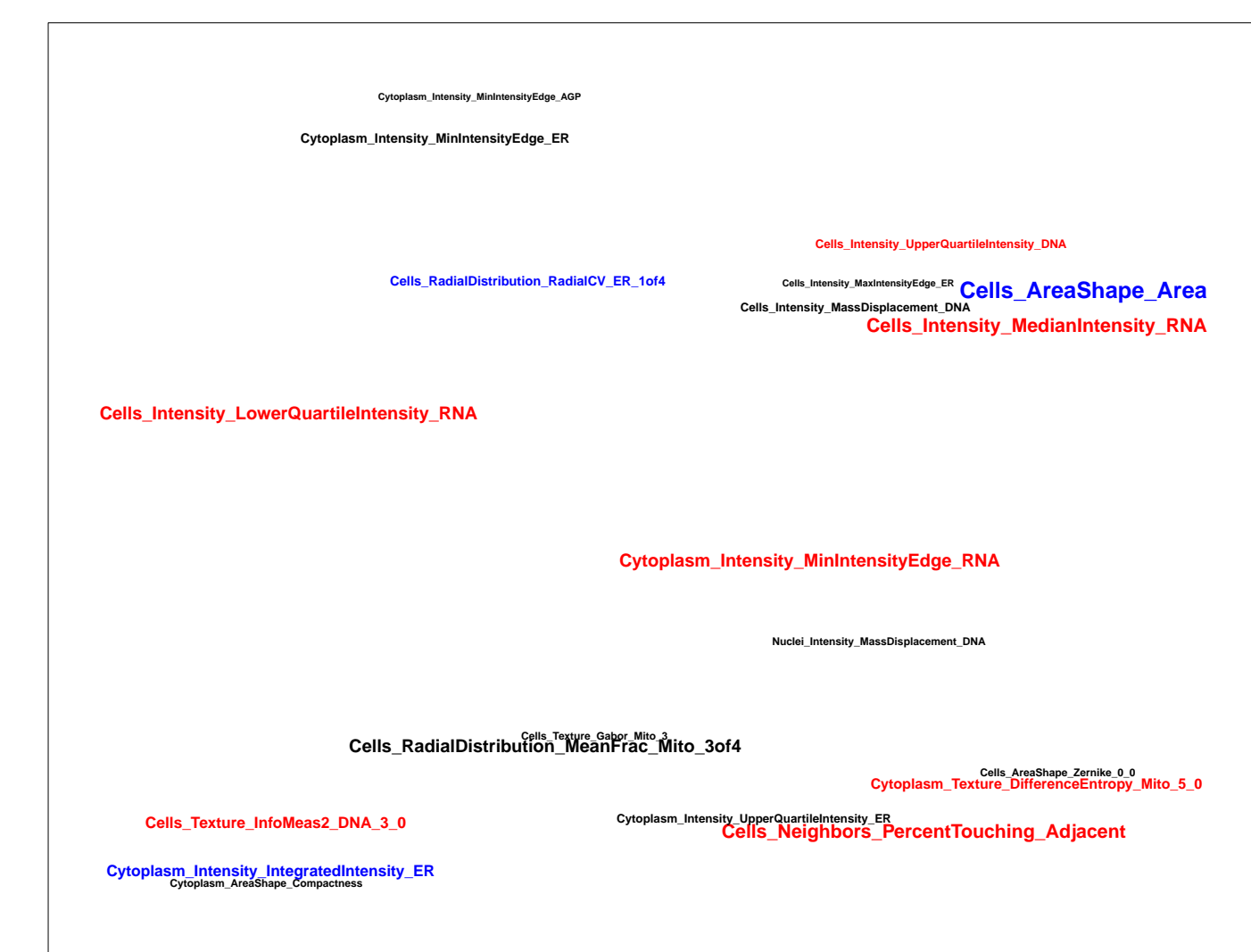
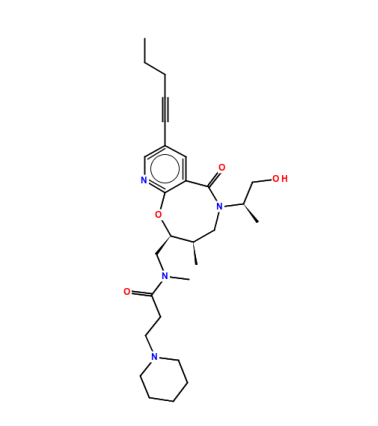
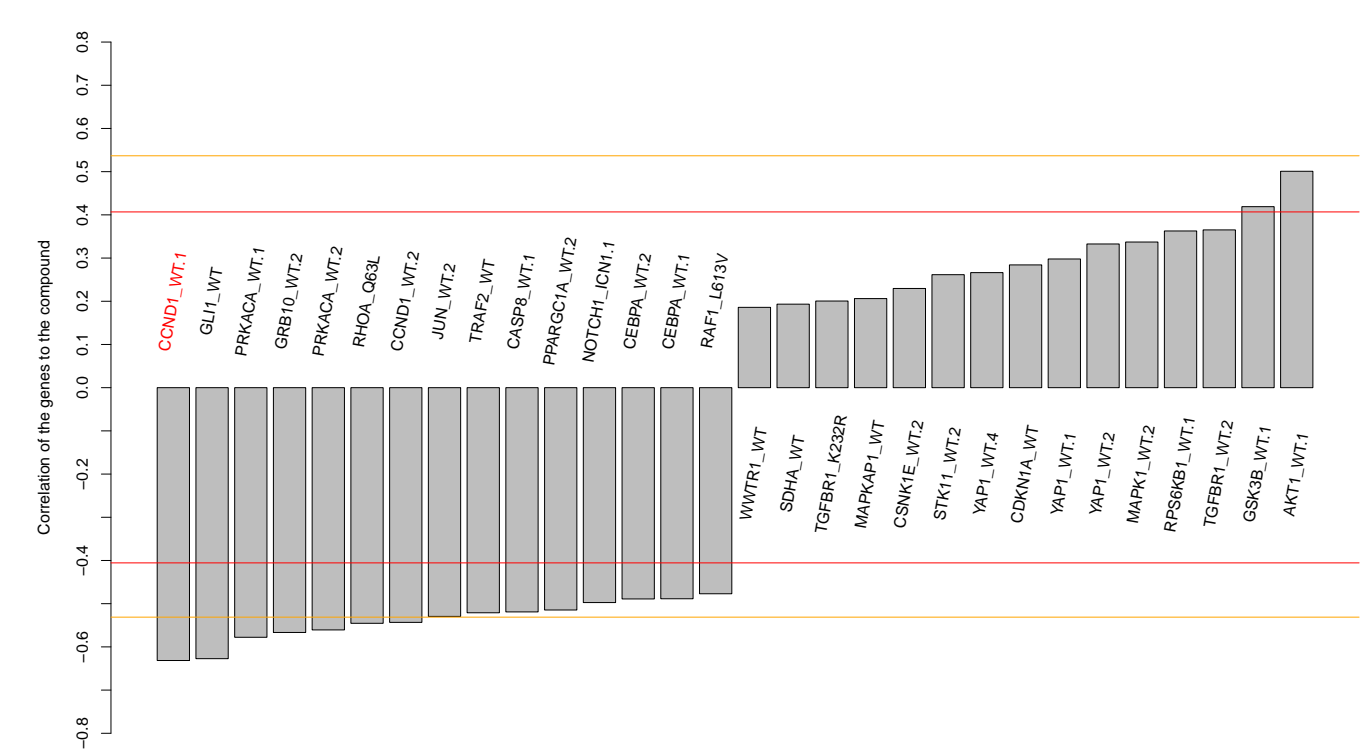
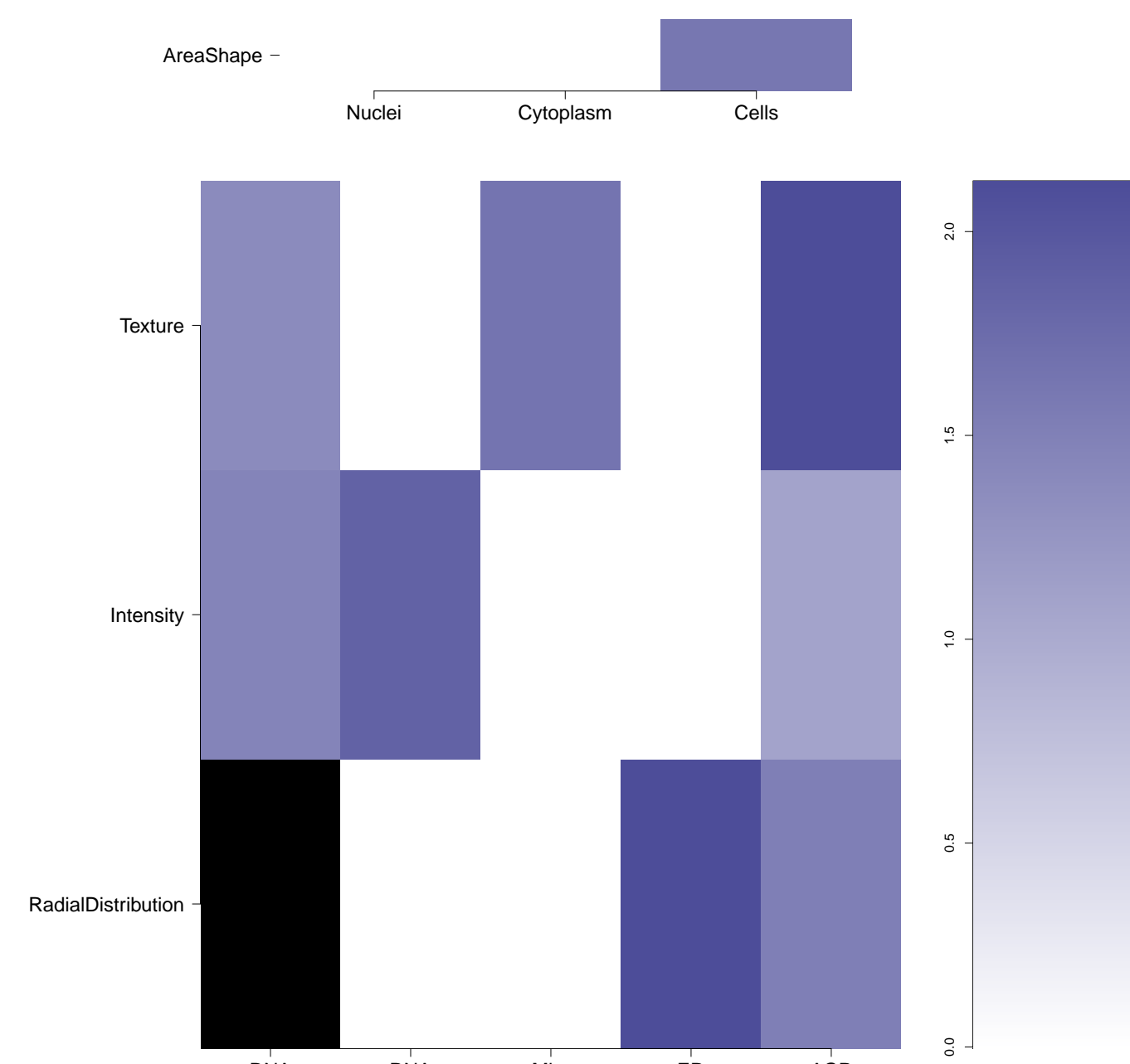
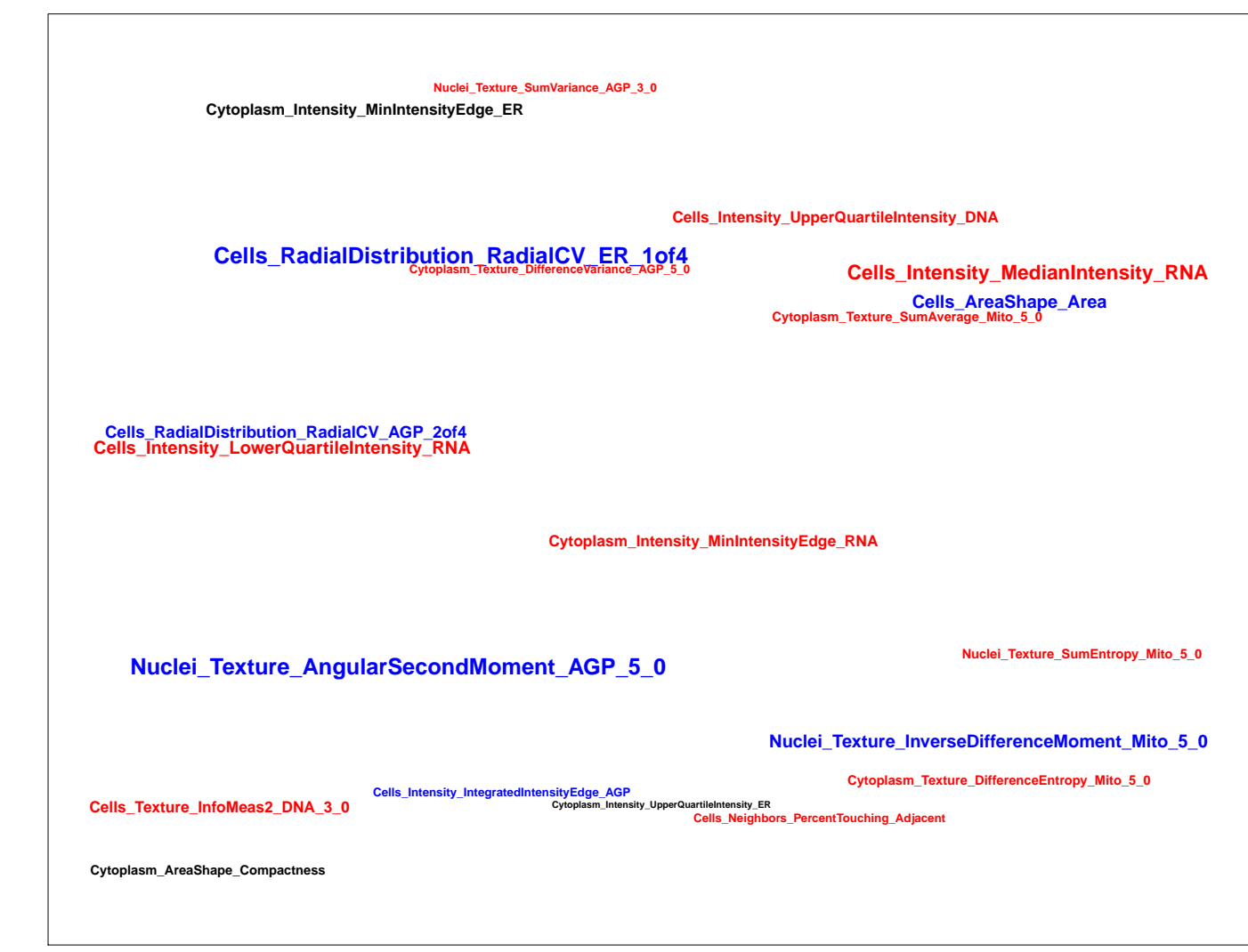
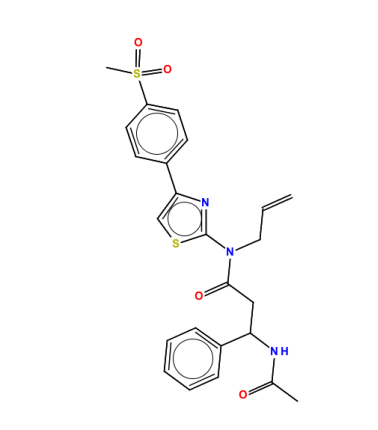
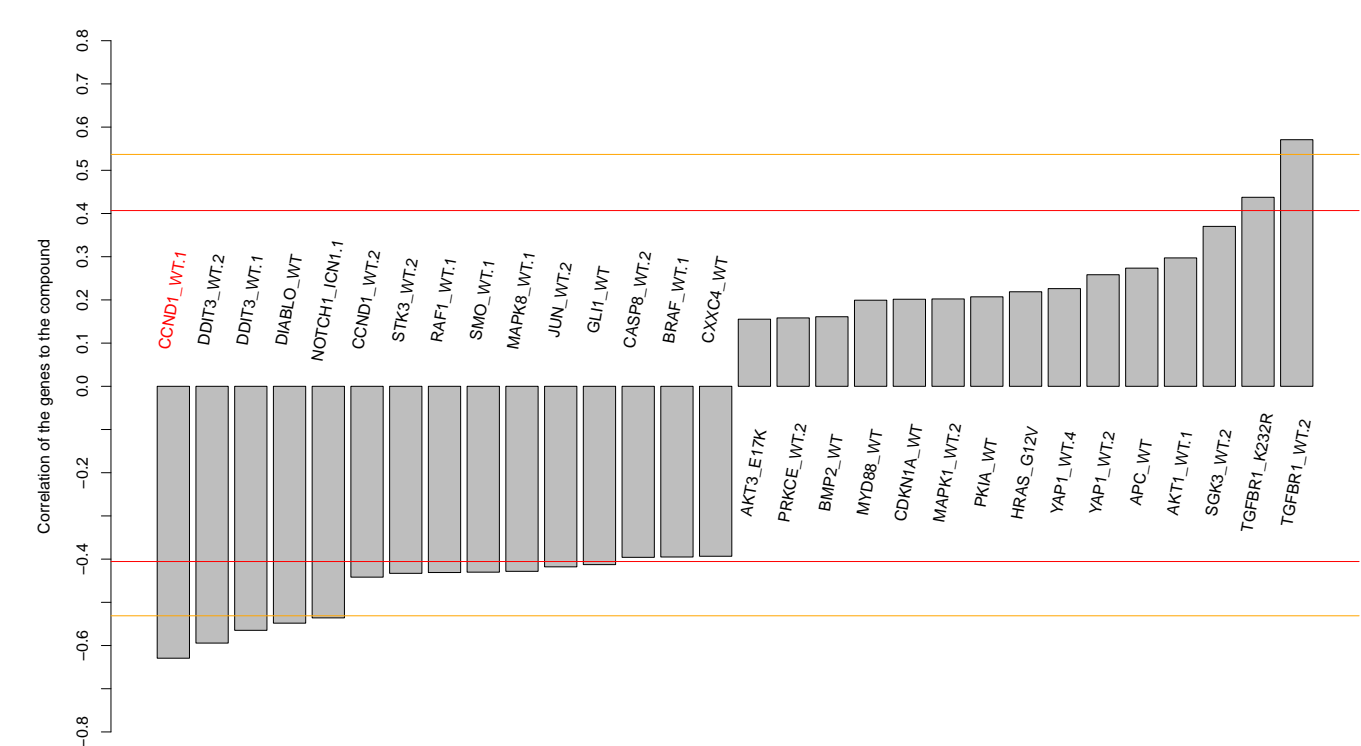
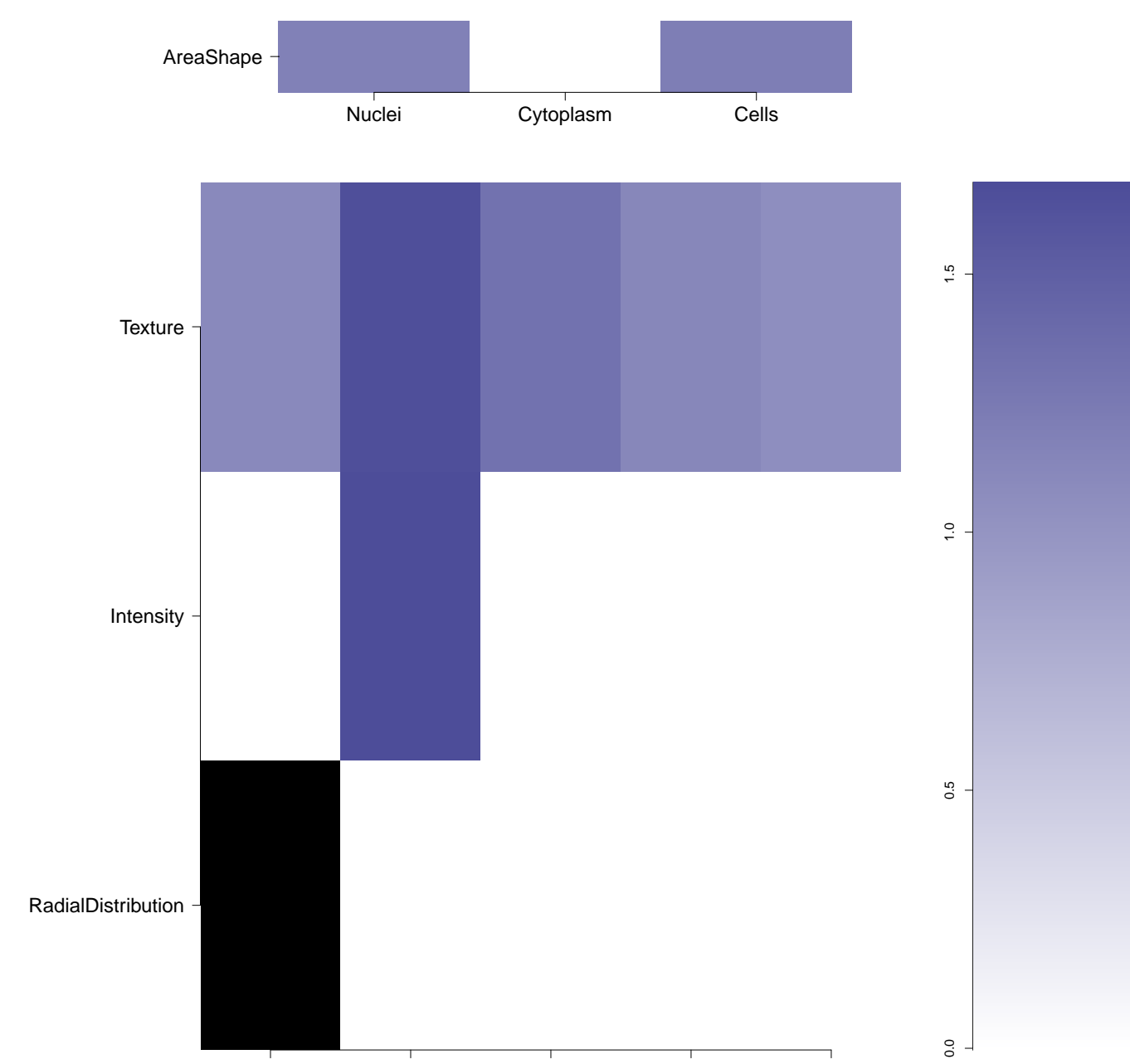

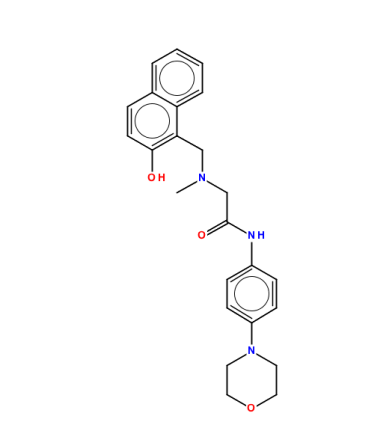
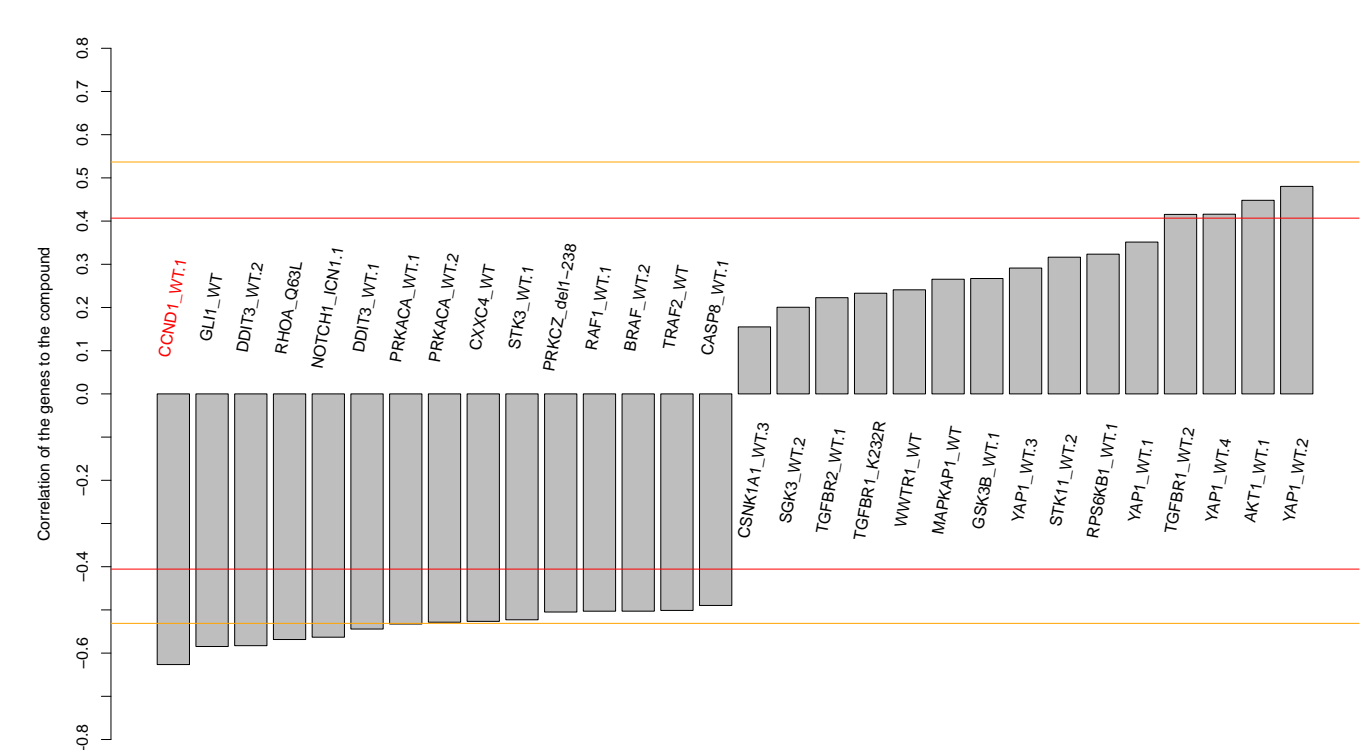
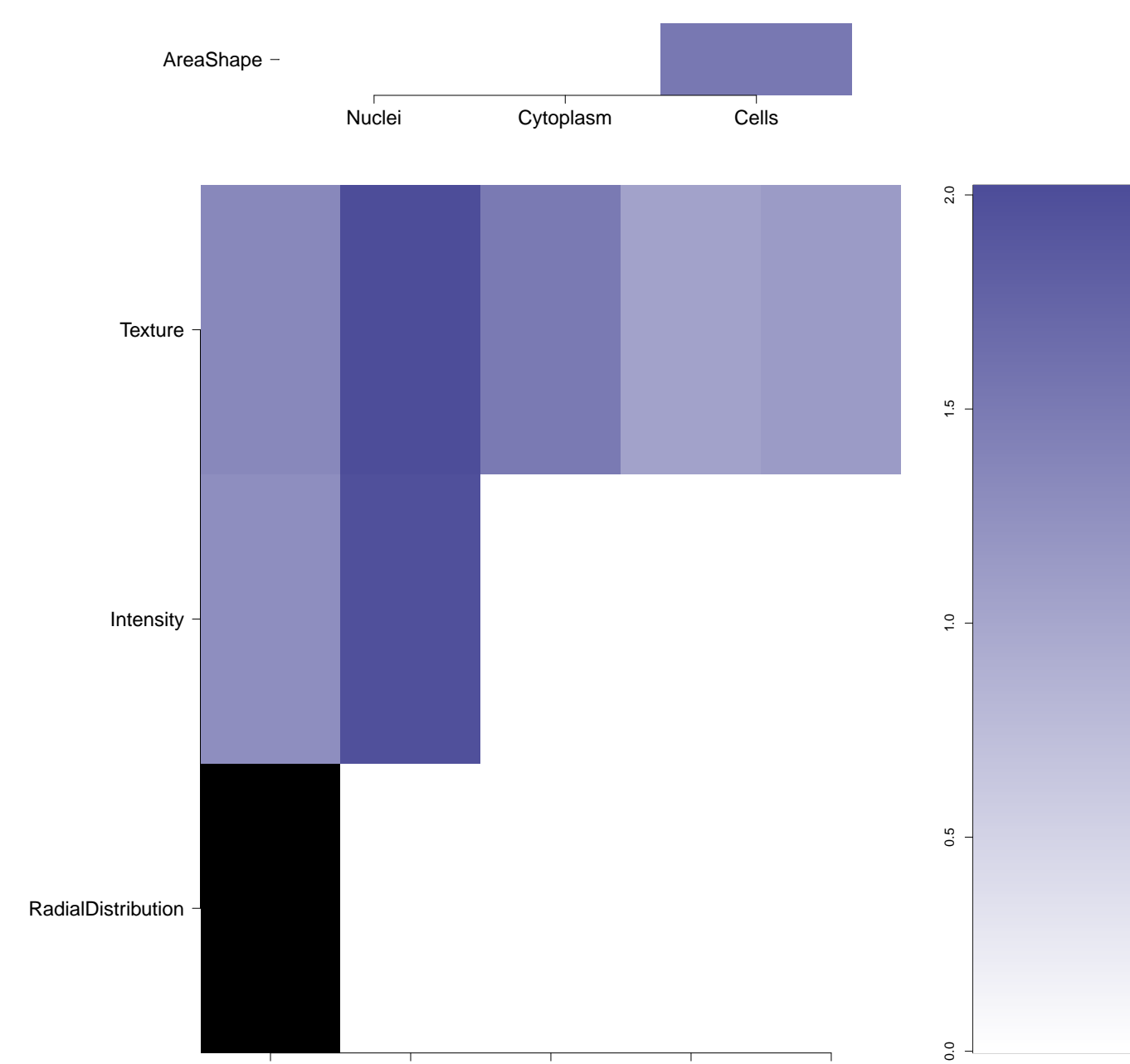
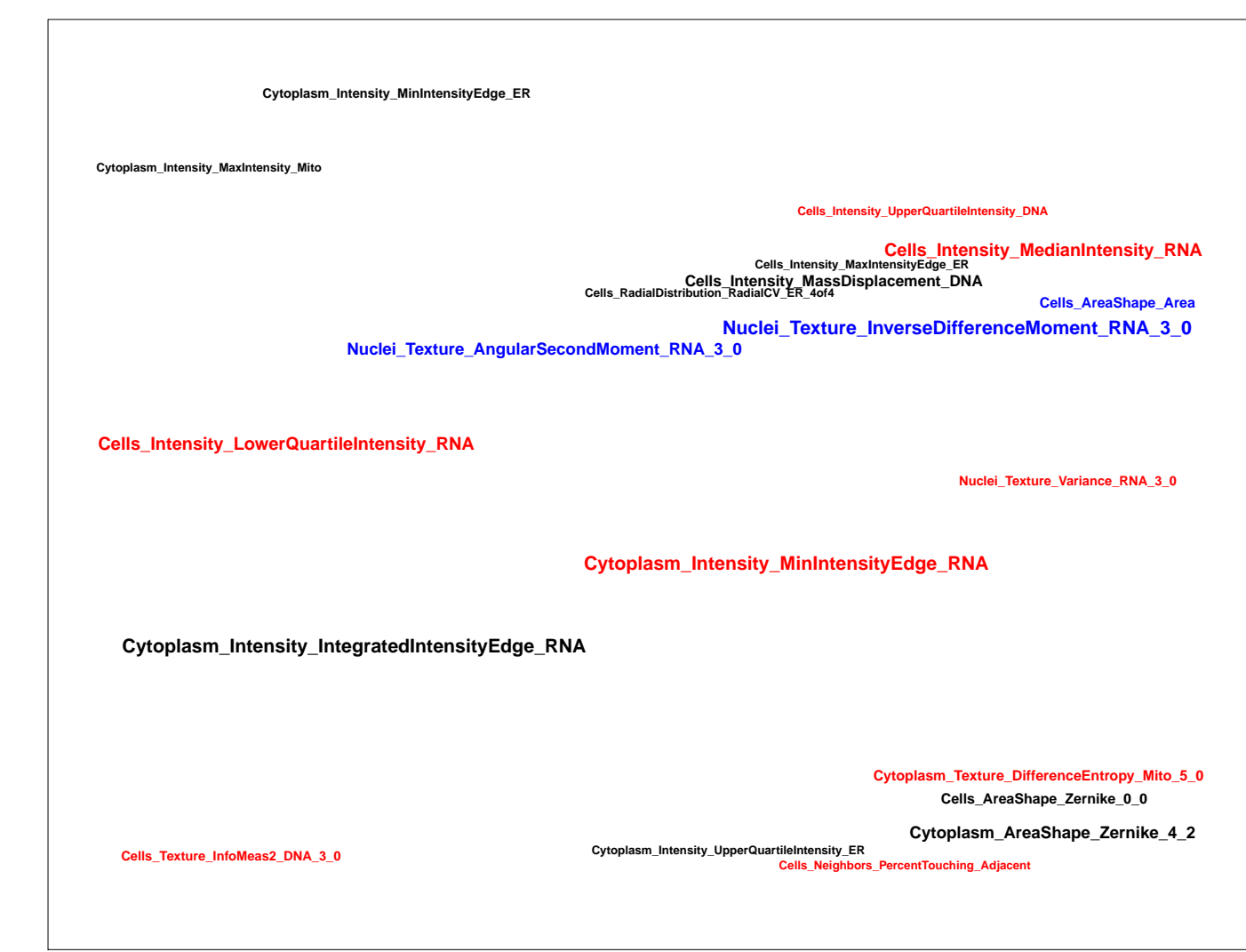
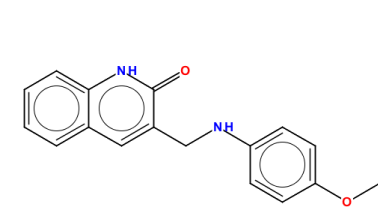
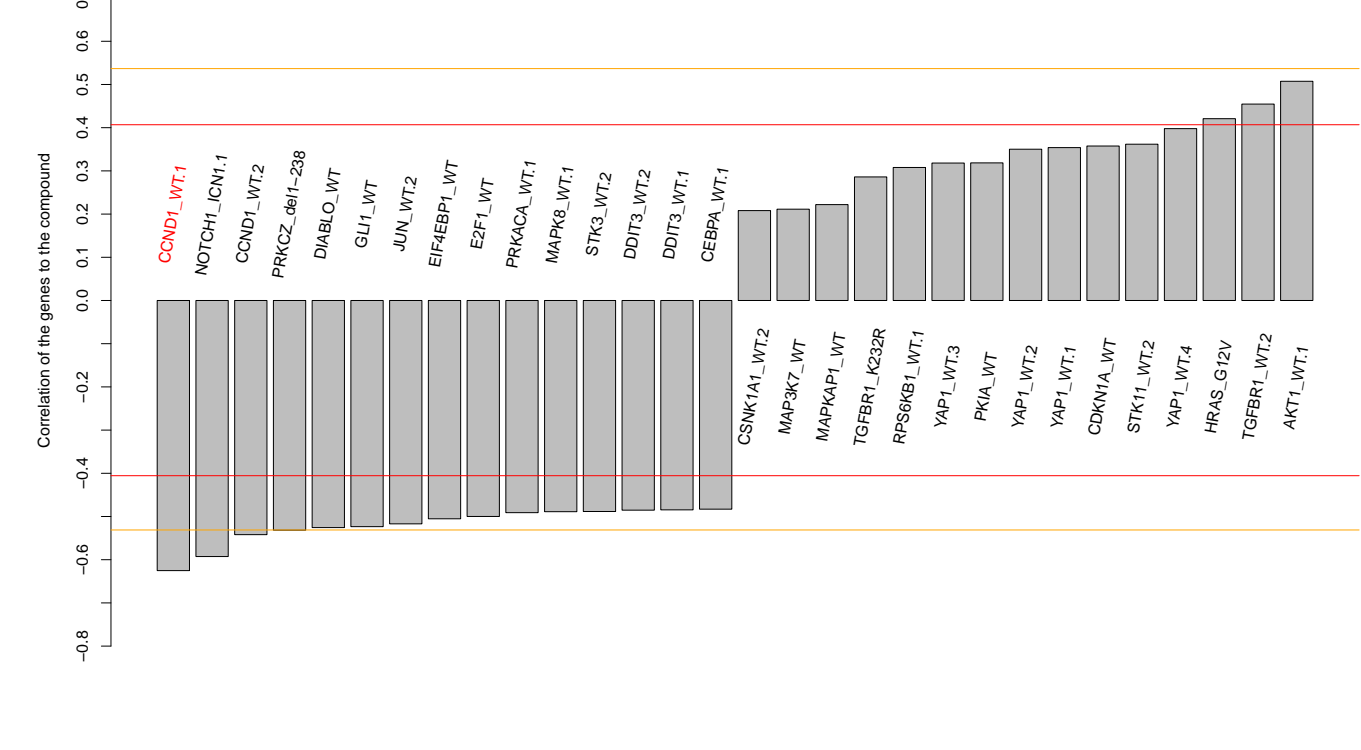
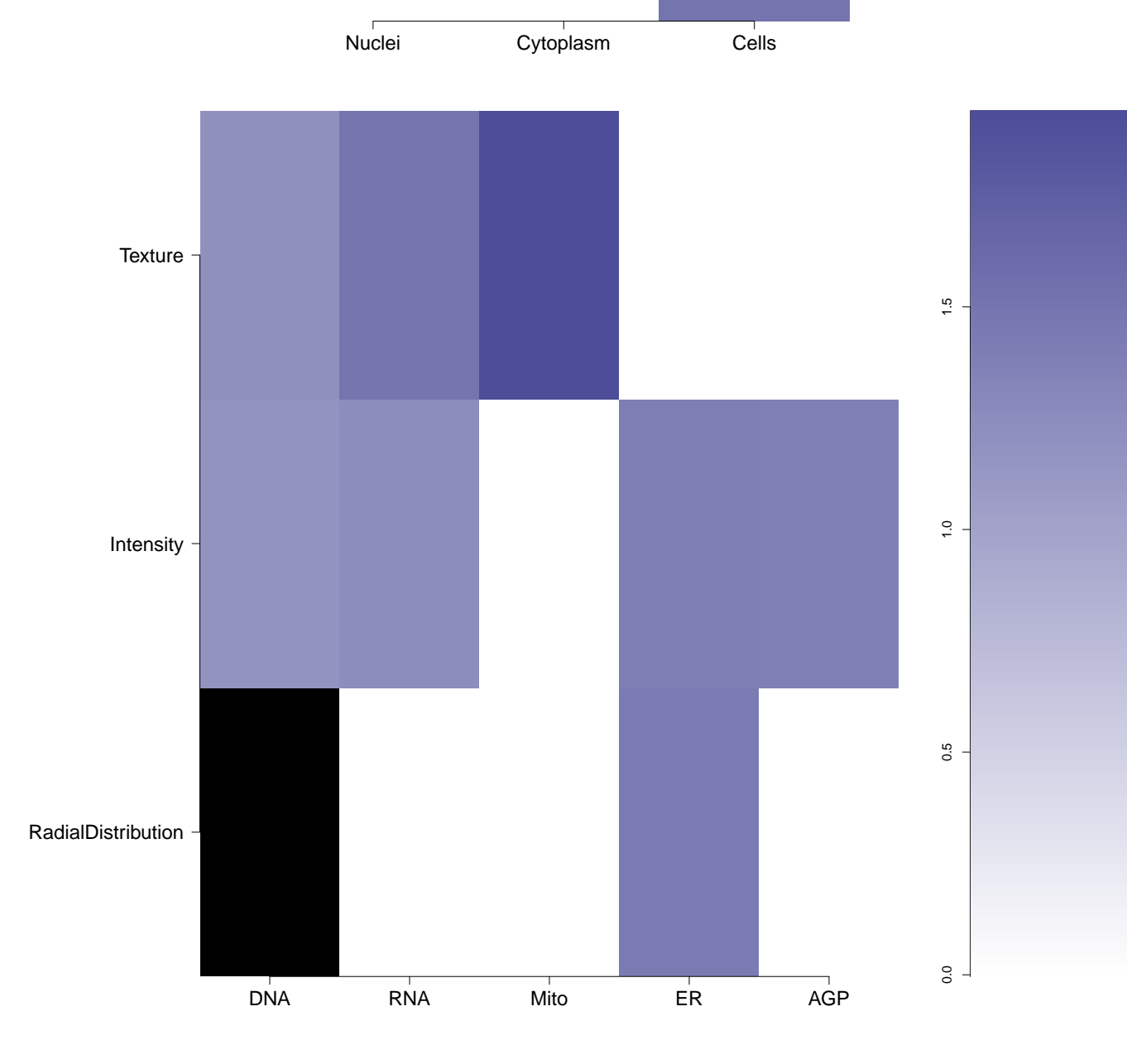



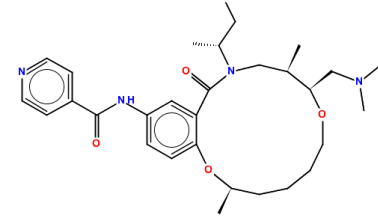
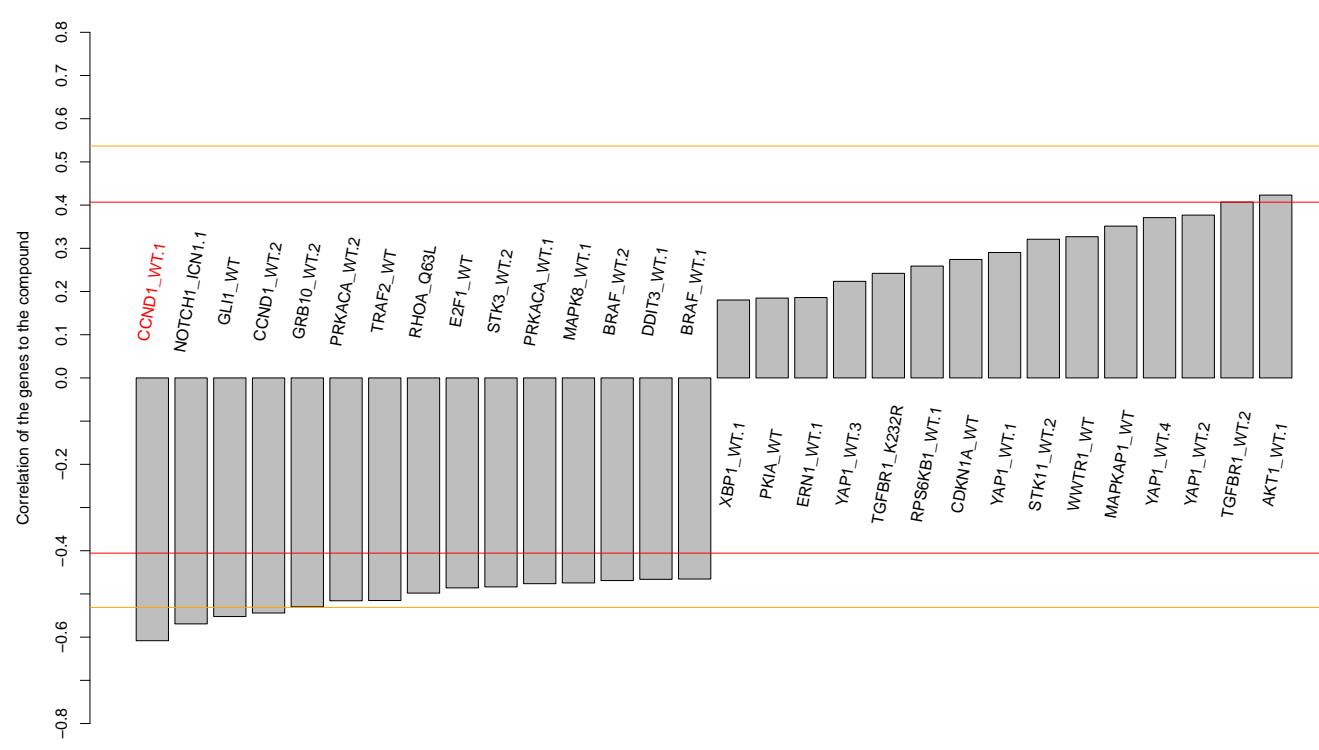
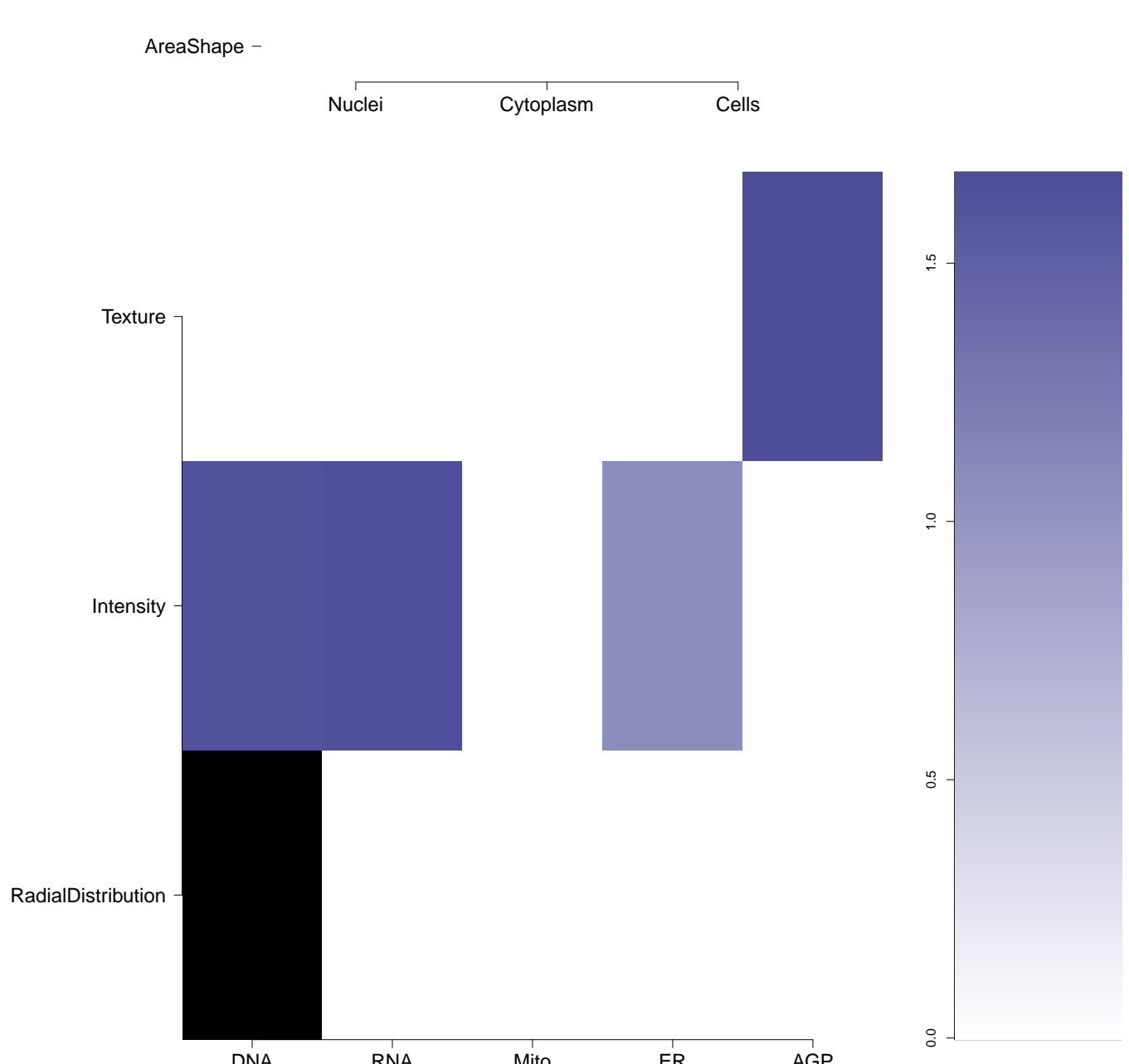
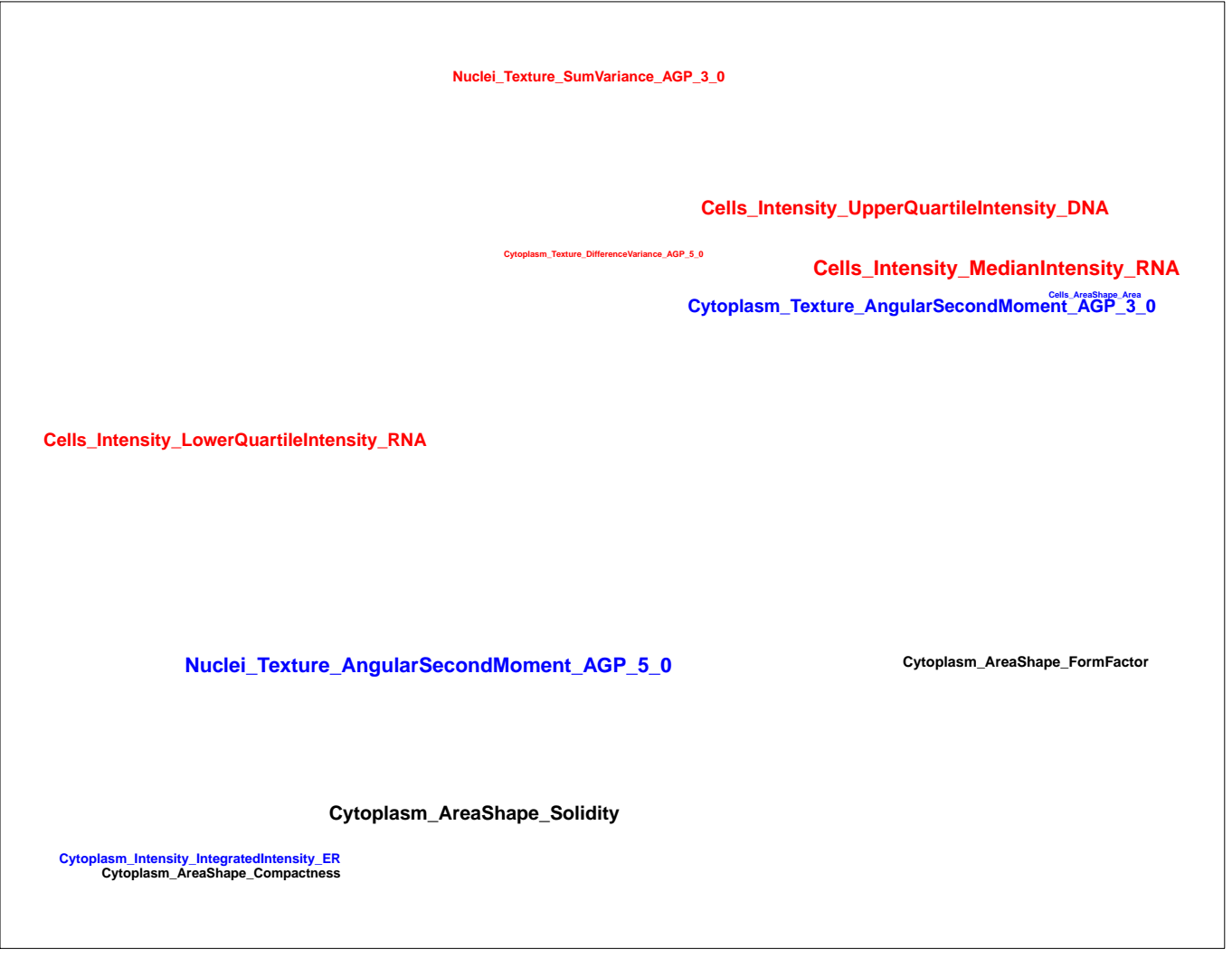
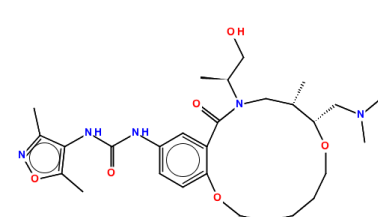
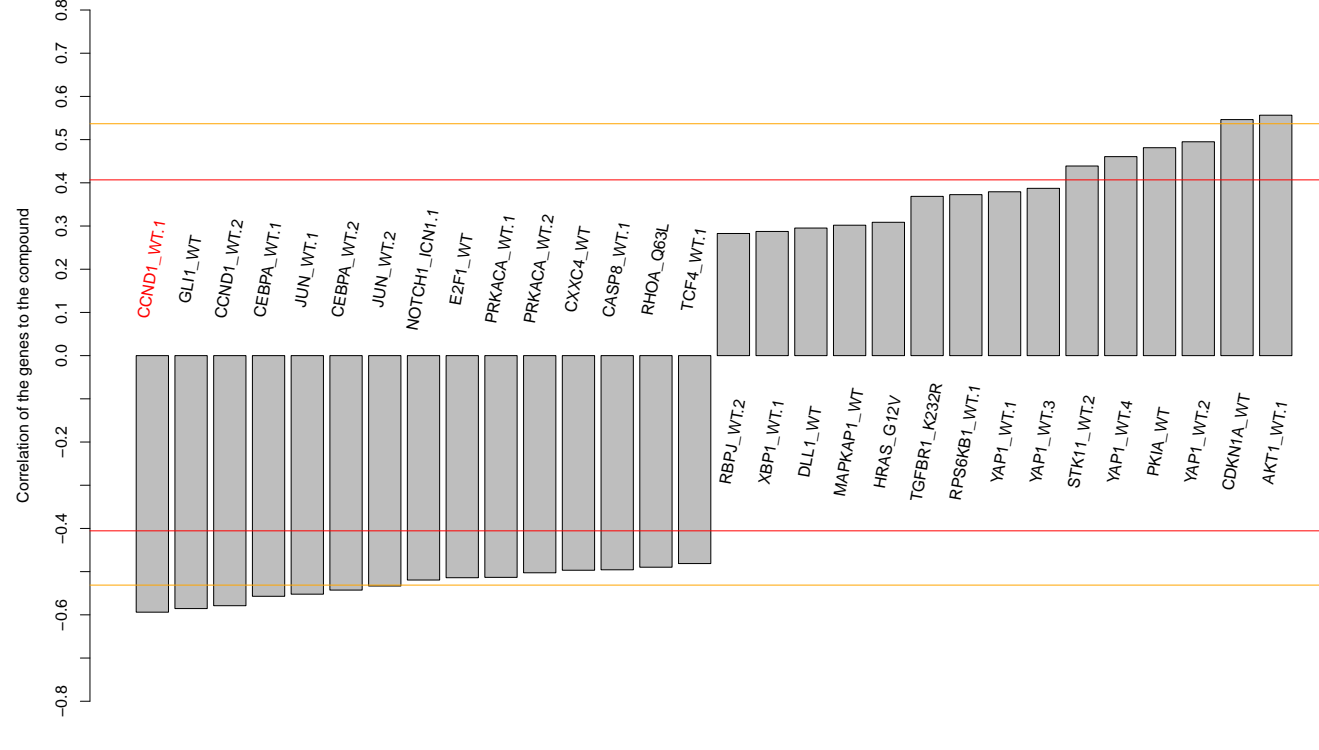
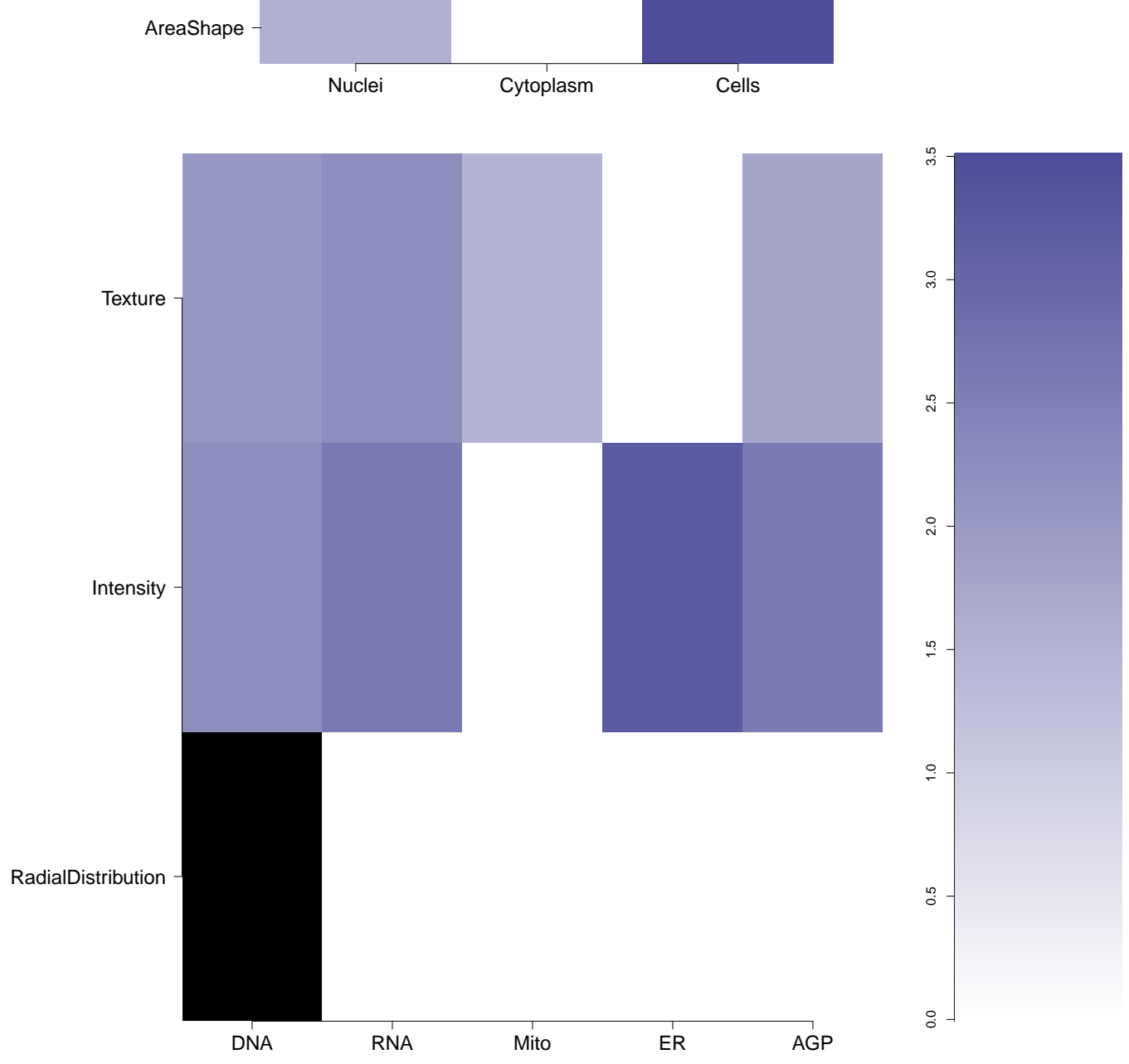
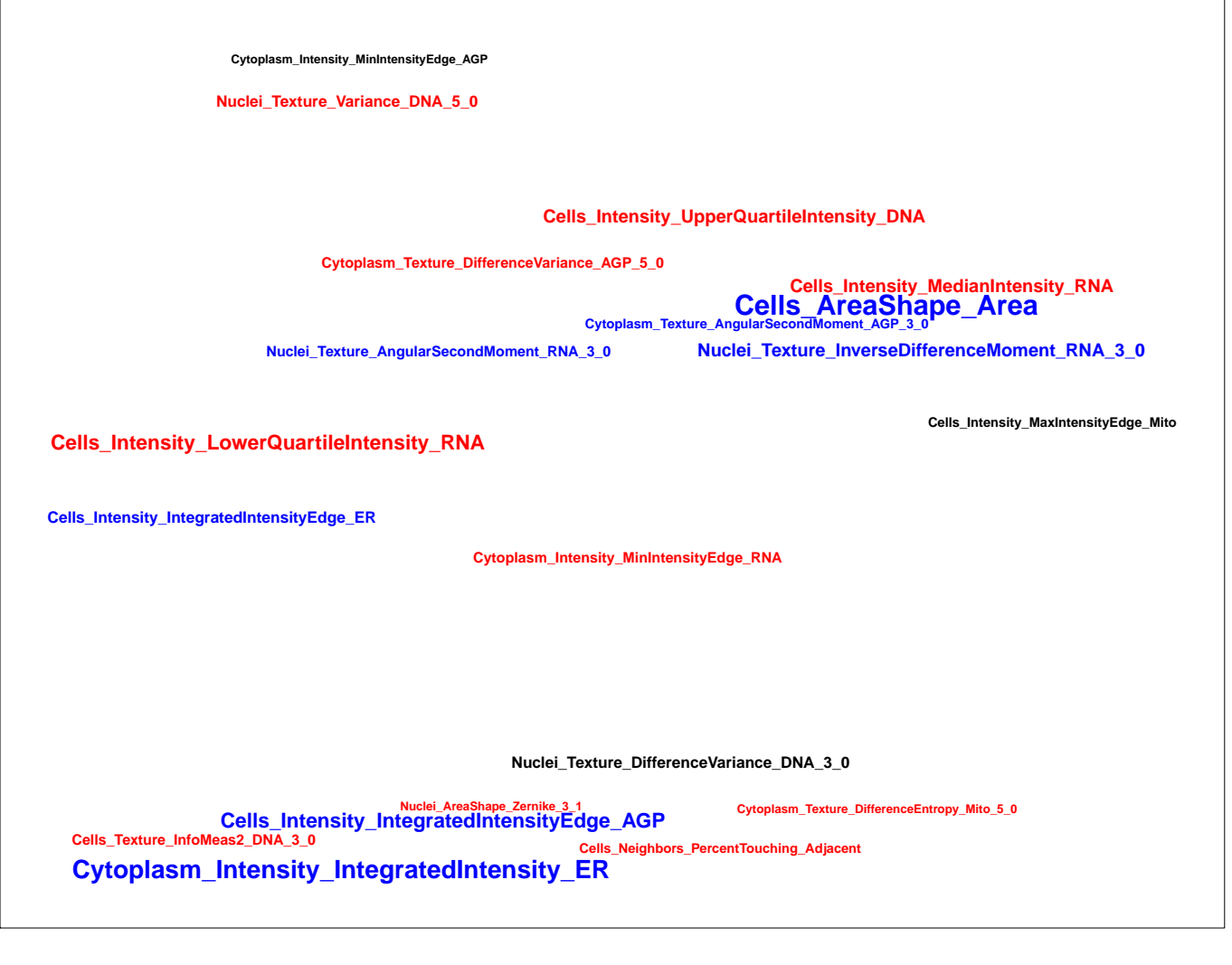
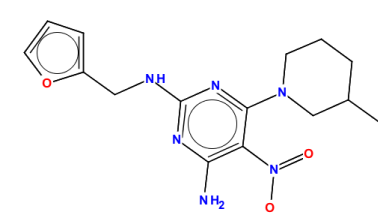
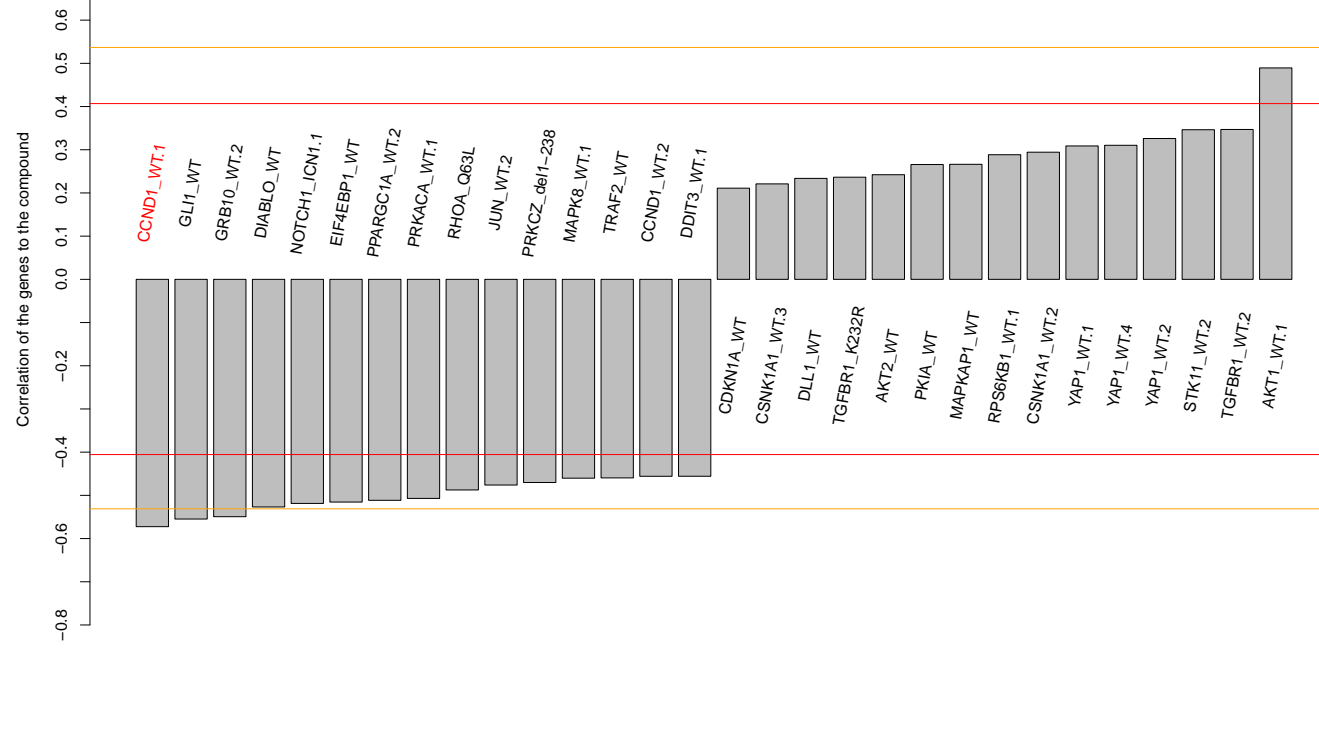
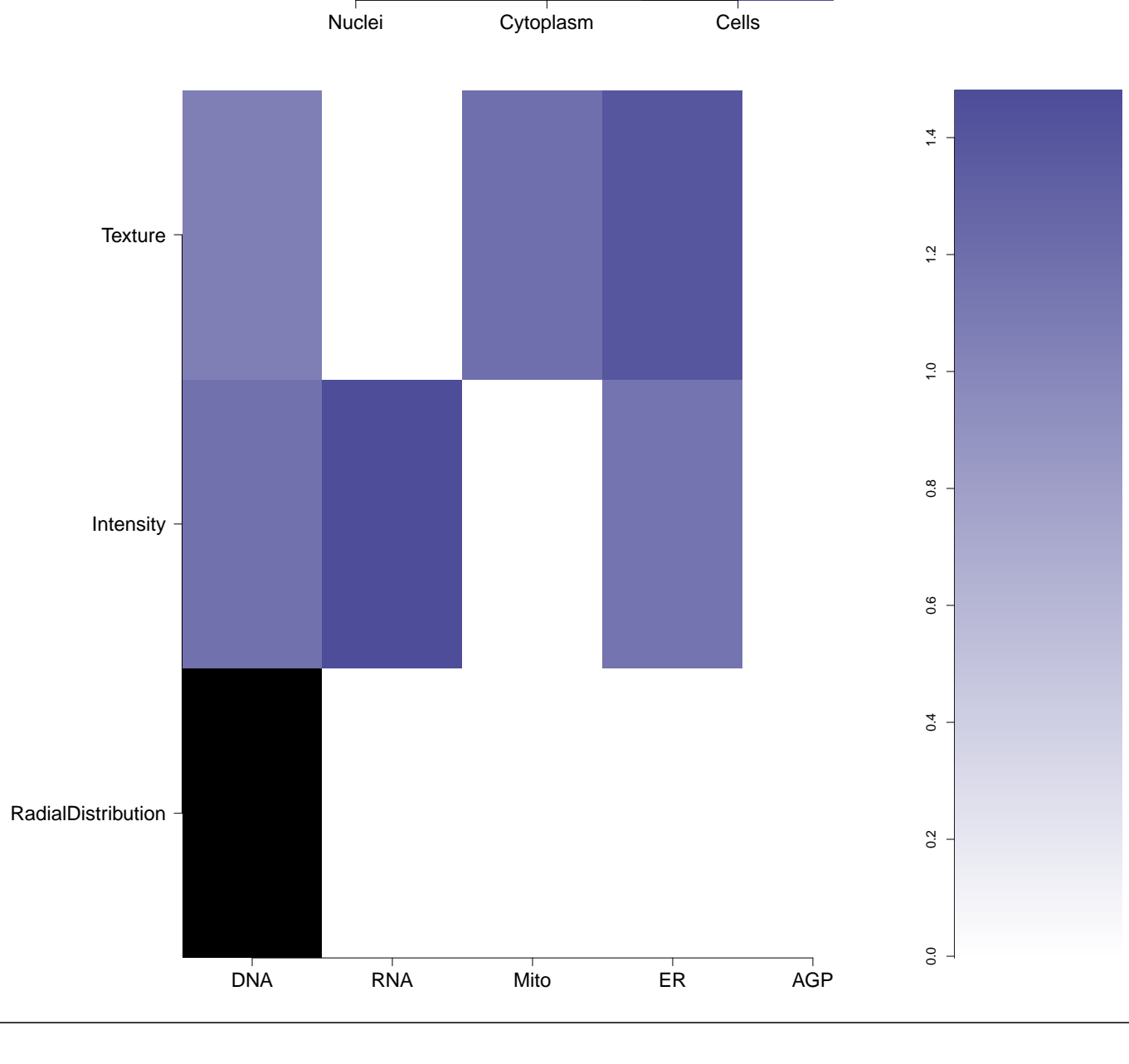
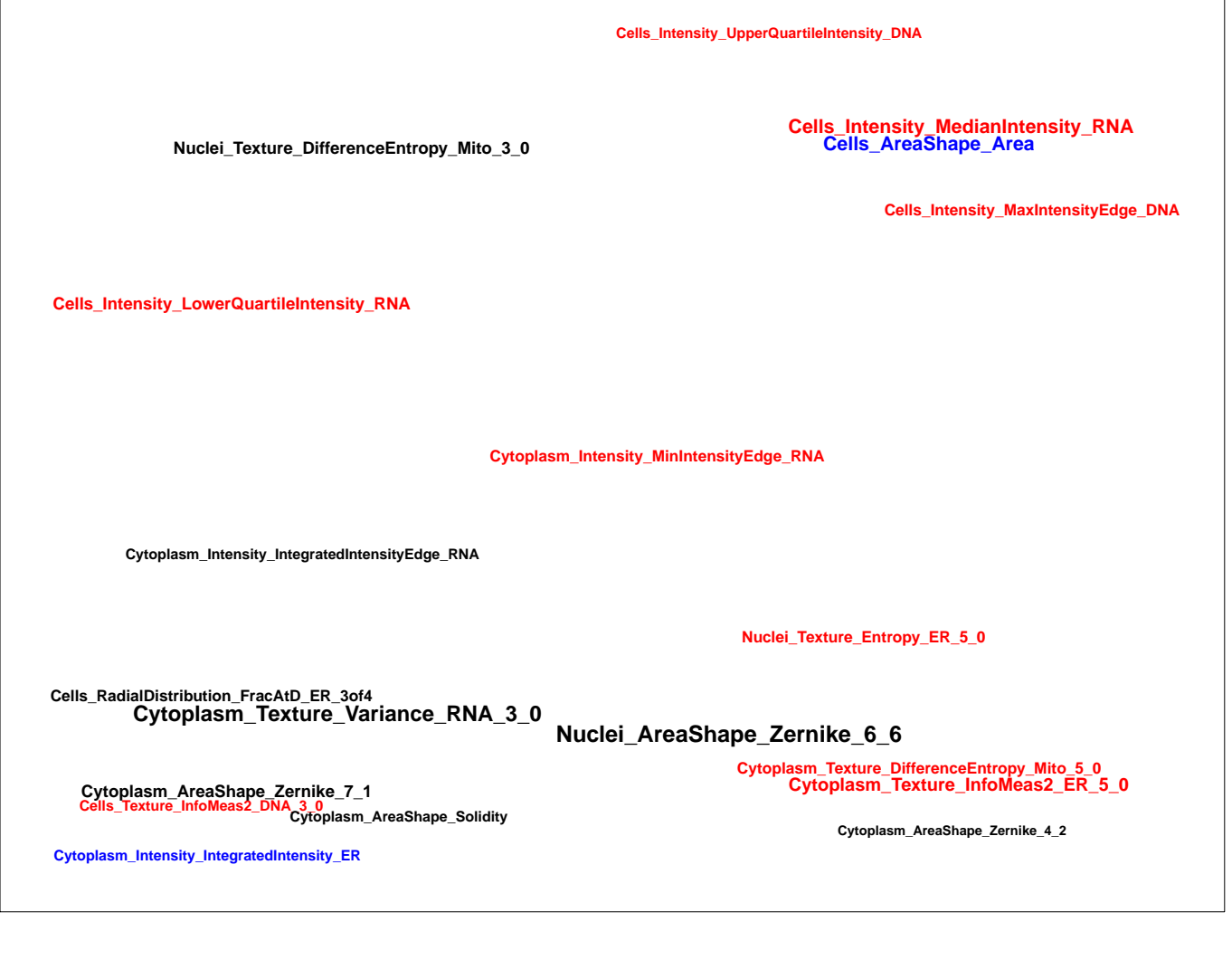
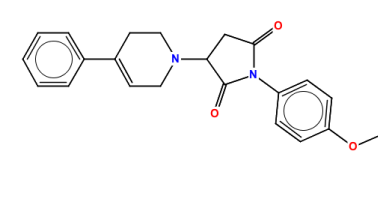
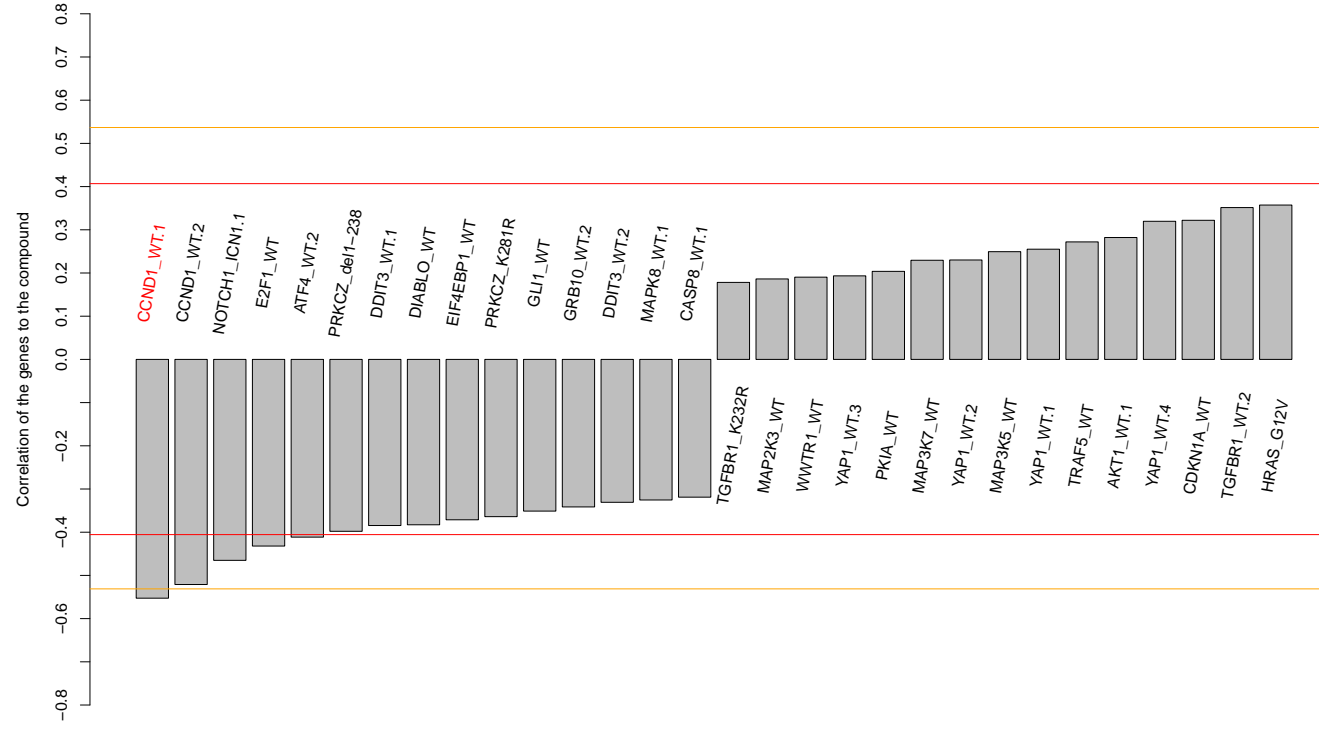
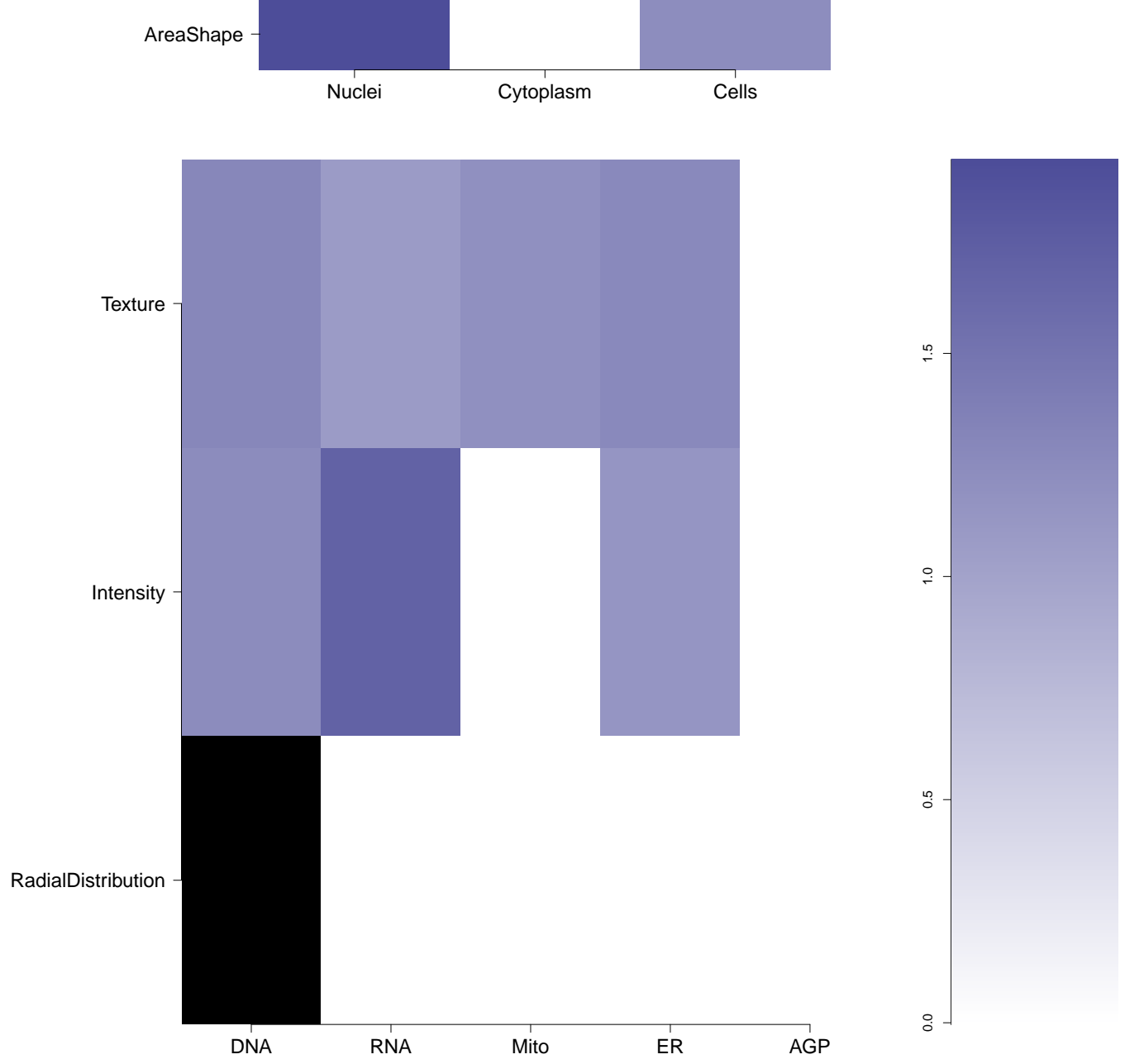
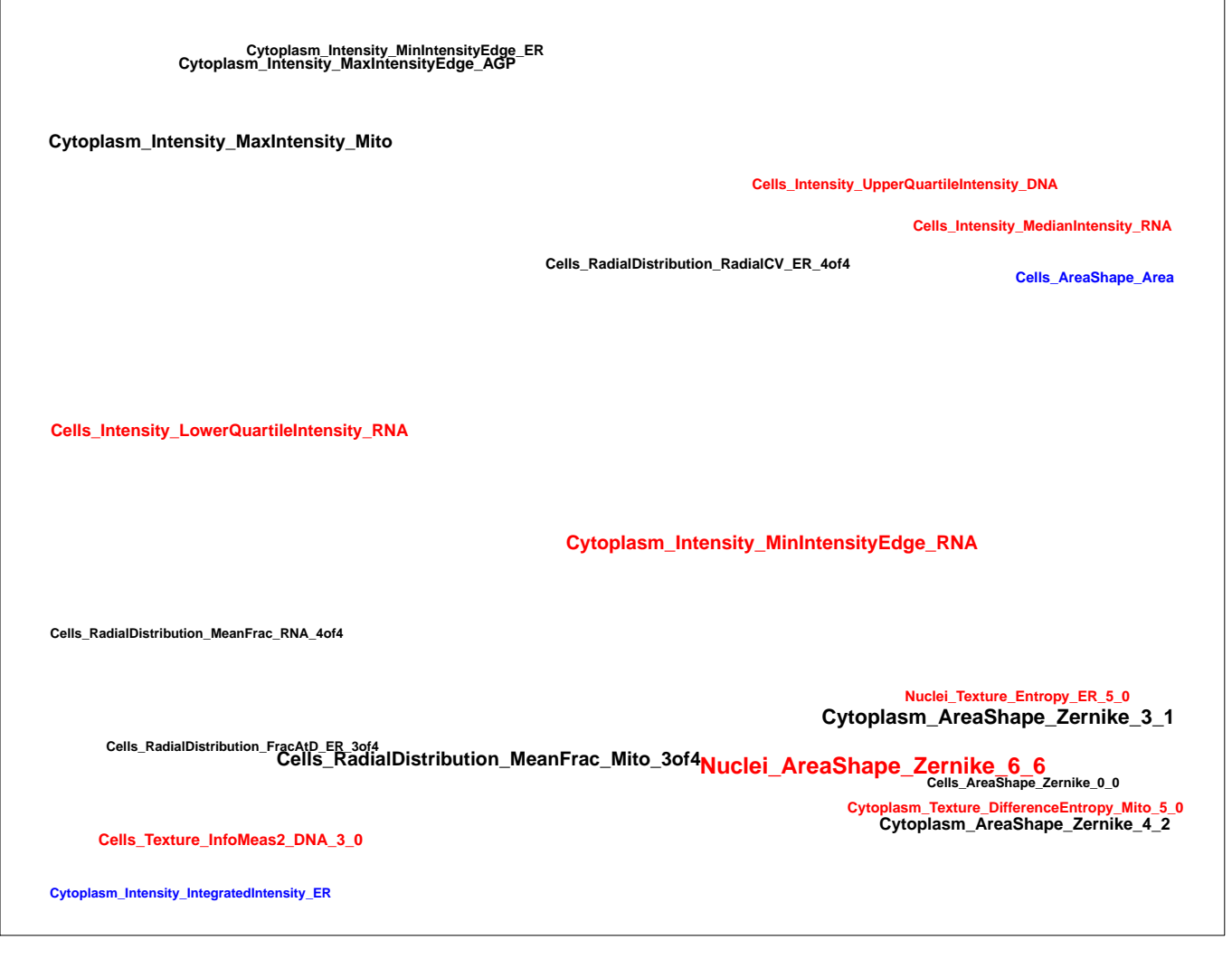
RNA



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 and 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
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BRD-K01023753-001-01-3 PubChem CID : 54618527		0.77 (in 4 replicates)	0.52	0.331				Total number of assays tested in: 37.
BRD-K02059094-001-05-5 STK167653 MLS000551094 AC1LGNLY AC1Q4JLW HMS2370F11 ZINC260820 SMSF0014011 AR-1H8145 ZINC00260820 CB03786 BAS 01186969 OR294848 SMR000176620 ST50248051 PubChem CID : 774420		0.72 (in 4 replicates)	0.50	NA				<p>Total number of assays tested in: 700. Active in the following assays:</p> <ul style="list-style-type: none"> • CYP2C9 Assay (AID 777) • High Throughput Screen to Identify Compounds that Suppress the Growth of Human Colon Tumor Cells Lacking Oncogenic Beta Catenin Expression - Dose Response (AID 1045) • High Throughput Screen to Identify Compounds that Suppress the Growth of Cells with a Deletion of the PTEN Tumor Suppressor - Dose Response (AID 1047) • 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 high-throughput screening assay for identification of compounds that inhibit KCNQ1 potassium channels (AID 2642) • HTS for small molecule inhibitors of CHOP to regulate the unfolded protein response to ER stress (AID 2732) • Inhibitors of Cav3 T-type Calcium Channels: Primary Screen (AID 449739) • nHTS identification of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463190) • nHTS identification of small molecule inhibitors of tim23-1 yeast via a luminescent assay (AID 463195) • nHTS identification of small molecule inhibitors of tim24-1 yeast via a luminescent assay (AID 463212) • Single concentration confirmation of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463213) • 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) • nHTS identification of small molecule inhibitors of Phospholium falciparum Glucose-6-phosphate dehydrogenase via a fluorescence intensity assay (AID 504290) • qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) • Validation (re-confirmation) assay for identification of compounds that inhibit KCNQ1 potassium channels (AID 588353) • Counter screen assay of the parental CHO cells for identification of compounds that inhibit KCNQ1 potassium channels (AID 588366) • Primary cell-based high-throughput screening for identification of compounds that inhibit/block calcium-activated chloride channels (TMEM16A) (AID 588511) • 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) • nHTS identification of small molecule inhibitors of the mitochondrial permeability transition pore via an absorbance assay (AID 602449) • Single concentration confirmation of nHTS inhibitor hits of the mitochondrial permeability transition pore via a fluorescent based assay (AID 624504) • 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.Dose CherryPick.Activity (AID 651717) • Specificity screen against KCNQ2 for identification of compounds that inhibit KCNQ1 potassium channels (AID 651746) • Specificity screen against KCNQ1/KCNE1 for identification of compounds that inhibit KCNQ1 potassium channels (AID 652147) • Re-confirmation assay for identification of compounds that inhibit/block calcium-activated chloride channels (TMEM16A) (AID 652189) • QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM17. (AID 720648)
BRD-K52654243-001-01-1 PubChem CID : 54618615		0.69 (in 4 replicates)	0.49	0.700				Total number of assays tested in: 36.
BRD-A81007728-001-05-4 T5497660 MLS000054570 AC1MHCZ0 HMS2186E20 BAS 06396764 SMR000061381 PubChem CID : 3000115		0.55 (in 2 replicates)	0.47	NA				<p>Total number of assays tested in: 772. Active in the following assays:</p> <ul style="list-style-type: none"> • Fluorescence polarization-based primary biochemical high throughput screening assay to identify inhibitors of human platelet activating factor acetylhydrolase 2 (PAFAH2) (AID 492956)

<p>BRD-K72107498-001-05-9</p> <p>MLS000057806</p> <p>SMR000063190</p> <p>T5226776</p> <p>AC1M0V5G</p> <p>MLS002634435</p> <p>BDBM54163</p> <p>HMS2386L16</p> <p>ZINC2622078</p> <p>ZINC02622078</p> <p>PubChem CID : 2083976</p>		<p>NA (in 1 replicates)</p>	<p>-0.72</p>	<p>NA</p>				<p>Total number of assays tested in: 783. Active in the following assays:</p> <ul style="list-style-type: none"> Primary HTS assay for 5-Hydroxytryptamine (Serotonin) Receptor Subtype 1a (5HT1a) antagonists (AID 612) uHTS luminescence assay for the identification of compounds that inhibit NOD1 (AID 1578) SAR analysis of compounds that inhibit NOD1 revised (AID 2333) SAR analysis of compounds that inhibit NOD2 revised (AID 2334) qHTS screen for small molecules that inhibit ELG1-dependent DNA repair in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504467) qHTS for inhibitors of binding or entry into cells for Marburg Virus (AID 540276) Luminescence-based cell-based primary high throughput screening assay to identify agonists of the mouse 5-hydroxytryptamine (serotonin) receptor 2A (HTR2A) (AID 624169) MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2130-01.Activator.Dose.SinglePoint.HTS.Activity (AID 651723) qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDPI): qHTS in cells in absence of CPT (AID 686978) MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2130-01.Activator.Dose.CherryPick.Activity.Set6 (AID 720513) Fluorescence-based biochemical high throughput primary assay to identify inhibitors of phospholipase C isozymes (PLC-beta3). (AID 720704)
<p>BRD-K82535917-001-05-2</p> <p>ST042991</p> <p>ZINC00029939</p> <p>AC1LDLZ6</p> <p>MLS000107661</p> <p>ZINC29939</p> <p>HMS2504L08</p> <p>SMSF0006667</p> <p>STK080853</p> <p>CB01805</p> <p>SMR000103626</p> <p>T5677917</p> <p>PubChem CID : 669360</p>		<p>NA (in 1 replicates)</p>	<p>-0.63</p>	<p>NA</p>				<p>Total number of assays tested in: 776. Active in the following assays:</p> <ul style="list-style-type: none"> CYP2C19 Assay (AID 778) qHTS Assay for Agonists of the Thyroid Stimulating Hormone Receptor: Activators of Intracellular cAMP Concentrations in Parental HEK 293 (AID 938) Counterscreen for inhibitors of PP5: fluorescence-based biochemical high throughput primary assay to identify inhibitors of Protein Phosphatase 1 (PP1). (AID 2335) 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 Perinuclear Compartment (AID 2417) High Throughput Screen to Identify Inhibitors Targeting HIV-1 Vif-dependent Degradation of Human APOBEC3G: A time-resolved fluorescence resonance energy transfer (TR-FRET) assay for HIV-1 Vif-APOBEC3G interaction (AID 1117319)
<p>BRD-K78978845-001-01-6</p> <p>PubChem CID : 54618125</p>		<p>0.67 (in 4 replicates)</p>	<p>-0.63</p>	<p>0.626</p>				<p>Total number of assays tested in: 37.</p>
<p>BRD-A42388265-001-05-5</p> <p>T5535119</p> <p>SMR000592452</p> <p>MLS001177256</p> <p>MLS003913451</p> <p>PubChem CID : 16293736</p>		<p>NA (in 1 replicates)</p>	<p>-0.63</p>	<p>NA</p>				<p>Total number of assays tested in: 502. Active in the following assays:</p> <ul style="list-style-type: none"> Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553) Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 48 hour incubation (AID 504832) 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) 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.Dose.CherryPick.Activity (AID 651717) qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDPI): qHTS in cells in absence of CPT (AID 686978)
<p>BRD-K52124446-001-05-1</p> <p>MLS000776527</p> <p>SMR000371521</p> <p>T5219625</p> <p>AC1M7Q60</p> <p>BDBM34973</p> <p>HMS2670M16</p> <p>ZINC3307602</p> <p>PubChem CID : 2423351</p>		<p>NA (in 1 replicates)</p>	<p>-0.63</p>	<p>NA</p>				<p>Total number of assays tested in: 641. Active in the following assays:</p> <ul style="list-style-type: none"> qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxisomoxins (AID 485364) qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339) Heat Shock Factor-1 (HSF-1) Measured in Cell-Based System Using Plate Reader - 2038-01.Activator.SinglePoint.HTS.Activity (AID 504408) Inhibitors of the vitamin D receptor (VDR): qHTS (AID 504847) qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a: Hit Confirmation (AID 588344) qHTS Assay for Inhibitors of Mammalian Selenoprotein Thioredoxin Reductase 1 (TxrR1): qHTS (AID 588453) qHTS for Inhibitors of PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720504)
<p>BRD-K93520959-001-04-3</p> <p>AC1LD8YV</p> <p>MLS000040033</p> <p>HMS1551O14</p> <p>HMS2339D15</p> <p>ZINC8581356</p> <p>STK771944</p> <p>ZINC08581356</p> <p>SMR000059741</p> <p>ST4083401</p> <p>PubChem CID : 663197</p>		<p>NA (in 1 replicates)</p>	<p>-0.63</p>	<p>NA</p>				<p>Total number of assays tested in: 763. Active in the following assays:</p> <ul style="list-style-type: none"> qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590) CYP2C19 Assay (AID 778) qHTS Assay for Identification of Small Molecule Antagonists for Hypoxia Response Element Signaling Pathway (AID 915) qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) HTS identification of compounds inhibiting phosphomannose isomerase (PMI) via a fluorescence intensity assay using a high concentration of mannose 6-phosphate (AID 1220) Alphascreen confirmatory assay for validation of inhibitors of SUMOylation (AID 2018) qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) uHTS identification of small molecule modulators of myocardial damage (AID 588492) Discovery of small molecule inhibitors of the oncogenic and cytotoxic protein MgrRacGAP - Primary and Confirmatory Screens (AID 624330) Discovery of small molecule inhibitors of the oncogenic and cytotoxic protein MgrRacGAP - Counter Screen Coupled Enzyme (AID 624351)

<div>BRD-K37479727-001-01-8</div> <div>PubChem CID : 44486434</div>		0.60 (in 4 replicates)	-0.61	0.225				<div>Total number of assays tested in: 46.</div> <div>Active in the following assays:</div> <ul style="list-style-type: none">DENV2 CPE-Based HTS Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2149-01-Other SinglePoint- HTS.Activity (AID 651640)
<div>BRD-K52245873-001-01-5</div> <div>PubChem CID : 44492604</div>		0.71 (in 4 replicates)	-0.59	0.418				<div>Total number of assays tested in: 45.</div>
<div>BRD-A67558291-001-05-1</div> <div>AC1NLC7D</div> <div>MLS000580962</div> <div>HMS2561K21</div> <div>STL053616</div> <div>SMR000220407</div> <div>PubChem CID : 4978215</div>		NA (in 1 replicates)	-0.57	NA				<div>Total number of assays tested in: 645.</div> <div>Active in the following assays:</div> <ul style="list-style-type: none">qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)Single concentration confirmation of qHTS for the identification of inhibitors of NALP1 in yeast using a luminescent assay (AID 488841)Single concentration confirmation of inhibitors of NALP1 in yeast using a Caspase-1-ASC counter screen. (AID 488857)qHTS Assay for Inhibitors of BAZ2B (AID 504333)Nrf2 qHTS screen for inhibitors (AID 504444)Luminescence-based cell-based primary high throughput screening assay to identify inhibitors of COUP-TFII (NR2F2) (AID 686940)QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM17. (AID 720648)Fluorescence-based biochemical high throughput primary assay to identify inhibitors of phospholipase C isozymes (PLC-gamma1). (AID 720700)
<div>BRD-A37491729-001-04-7</div> <div>SMR000093056</div> <div>MLS000116070</div> <div>AC1MS8VT</div> <div>MLS002589873</div> <div>HMS2264O09</div> <div>STK662858</div> <div>ST4095278</div> <div>PubChem CID : 3555454</div>		NA (in 1 replicates)	-0.55	NA				<div>Total number of assays tested in: 779.</div> <div>Active in the following assays:</div> <ul style="list-style-type: none">qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)A screen for inhibitors of the PhoP regulon in Salmonella Typhi using a modified counter-screen (AID 1085)A cytotoxicity screen of small molecule inhibitors of the PhoP regulon in Salmonella typhi identified in the primary screen (AID 2252)qHTS identification of small molecule inhibitors of tin10-1 yeast via a luminescent assay (AID 463190)qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)High-Throughput Screening for Modulators of Cytosolic Chaperonin Activity (AID 651819)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)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)