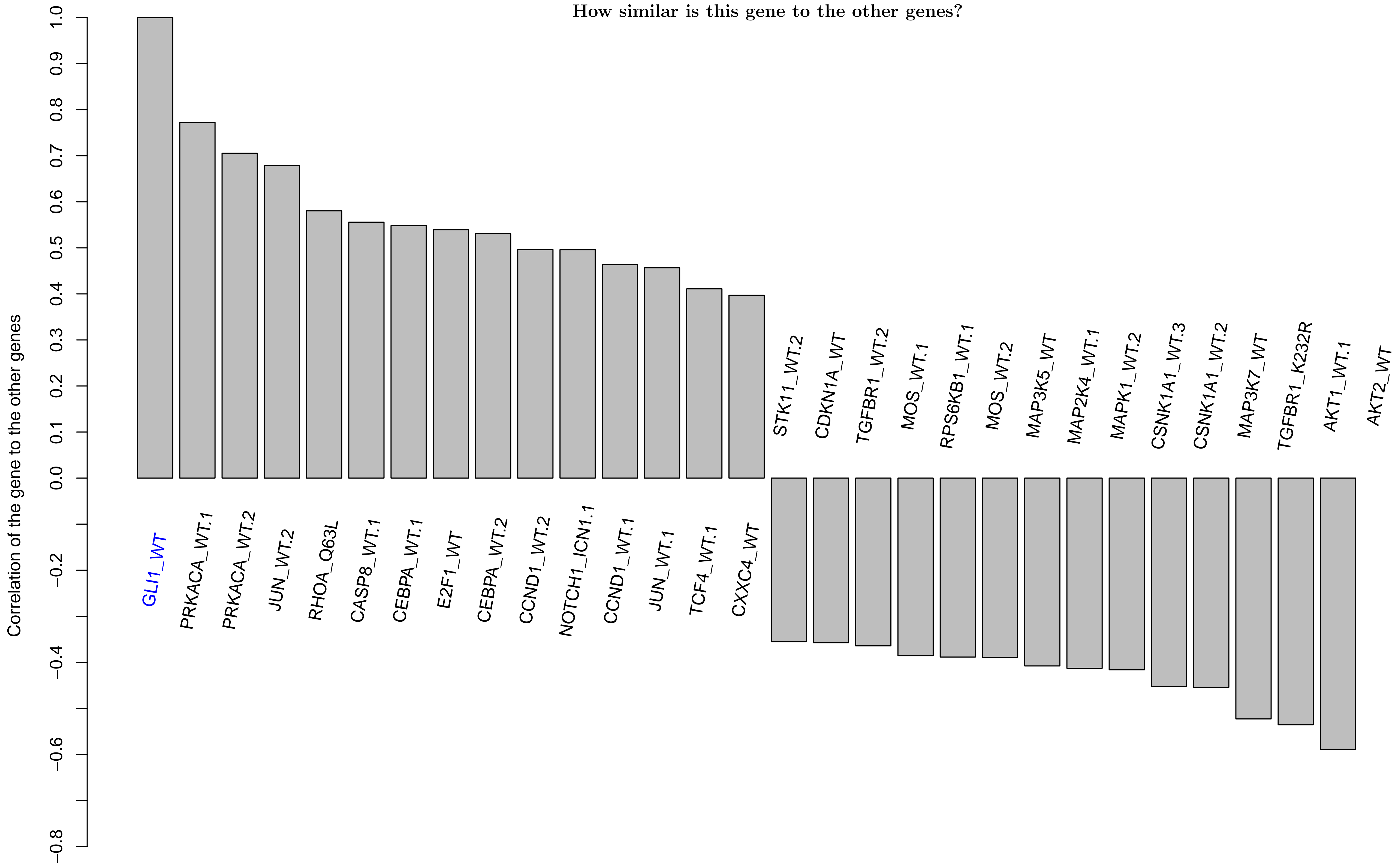
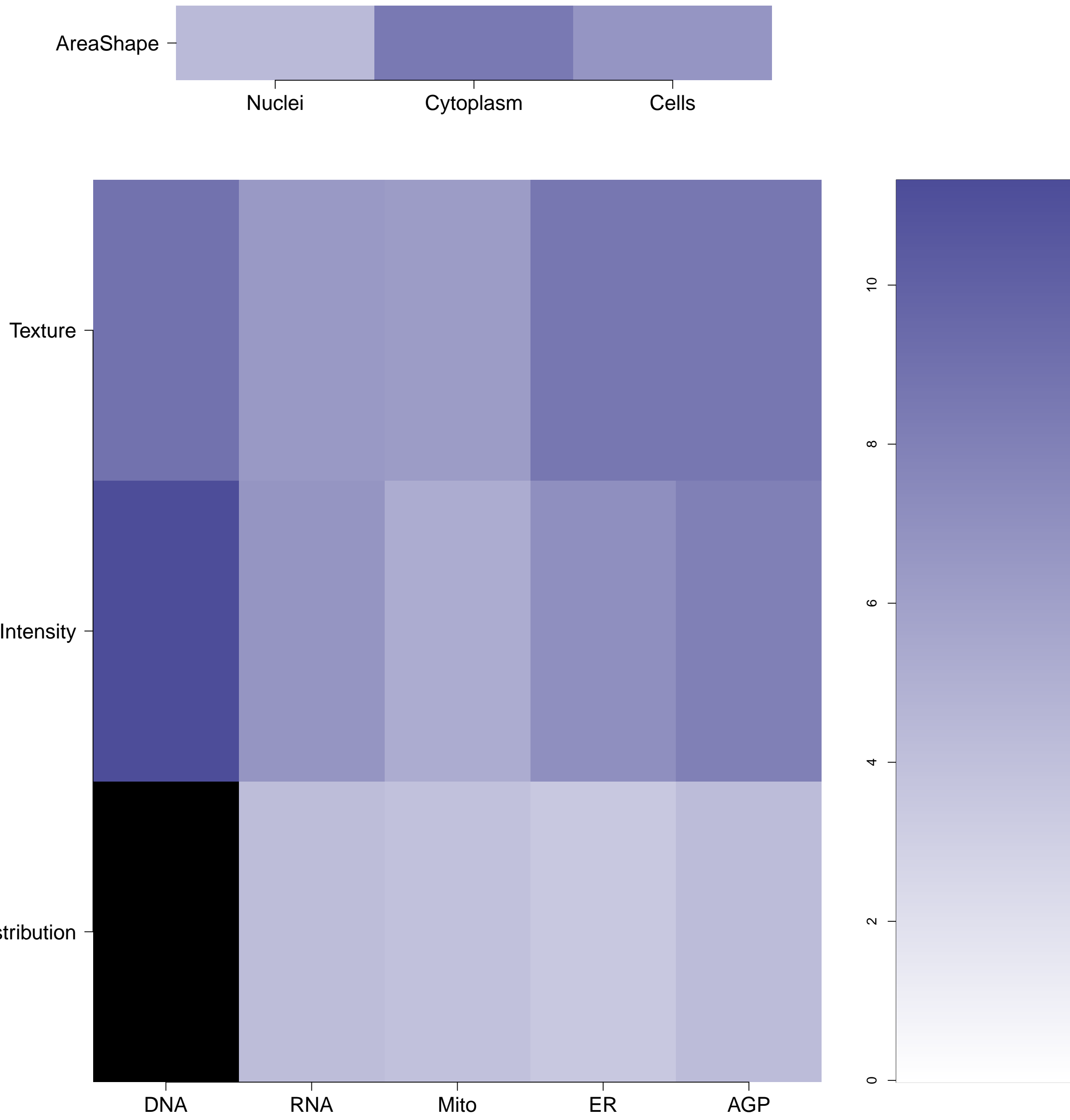


GLI1.WT - in Hedgehog

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

GLI1.WT (41744)

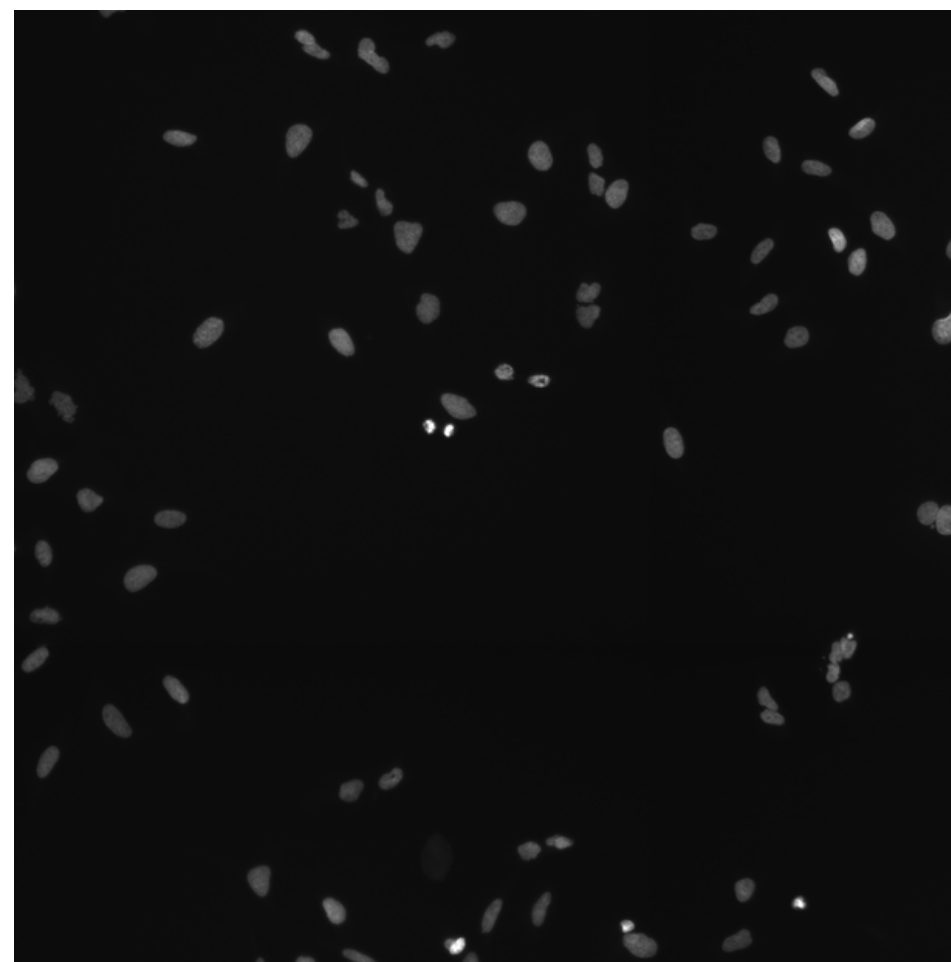
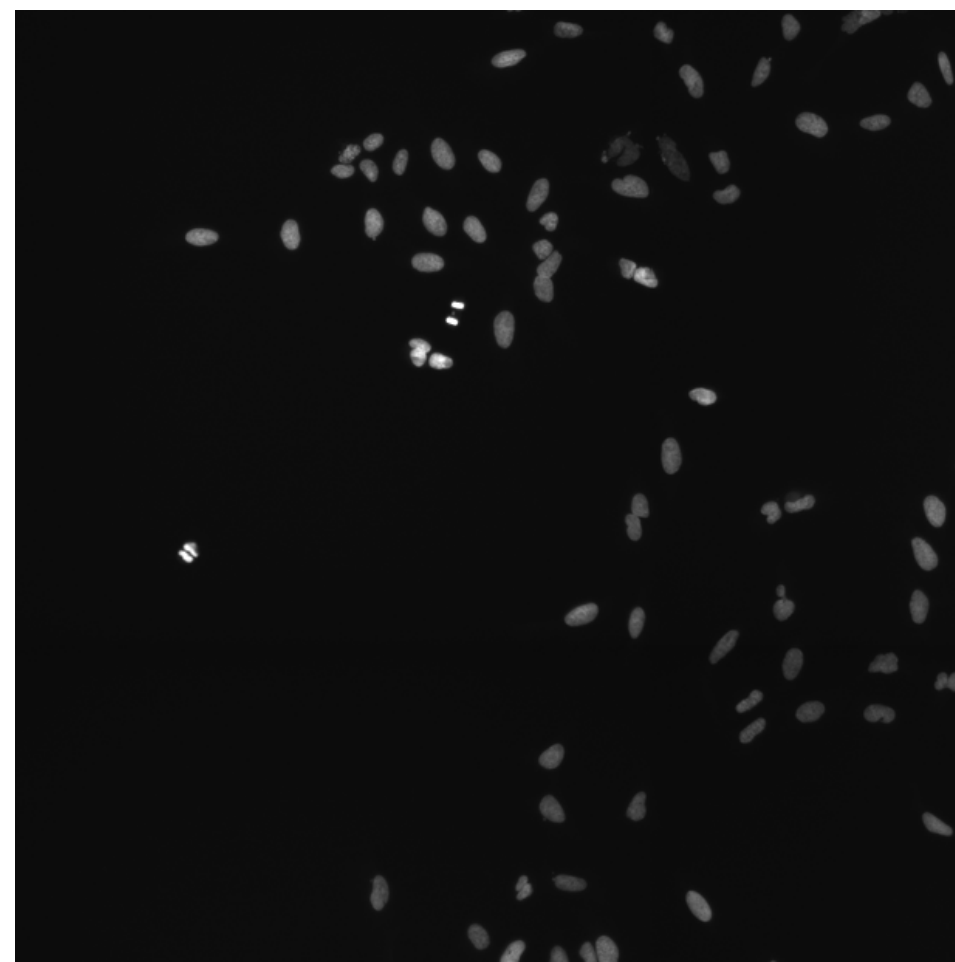
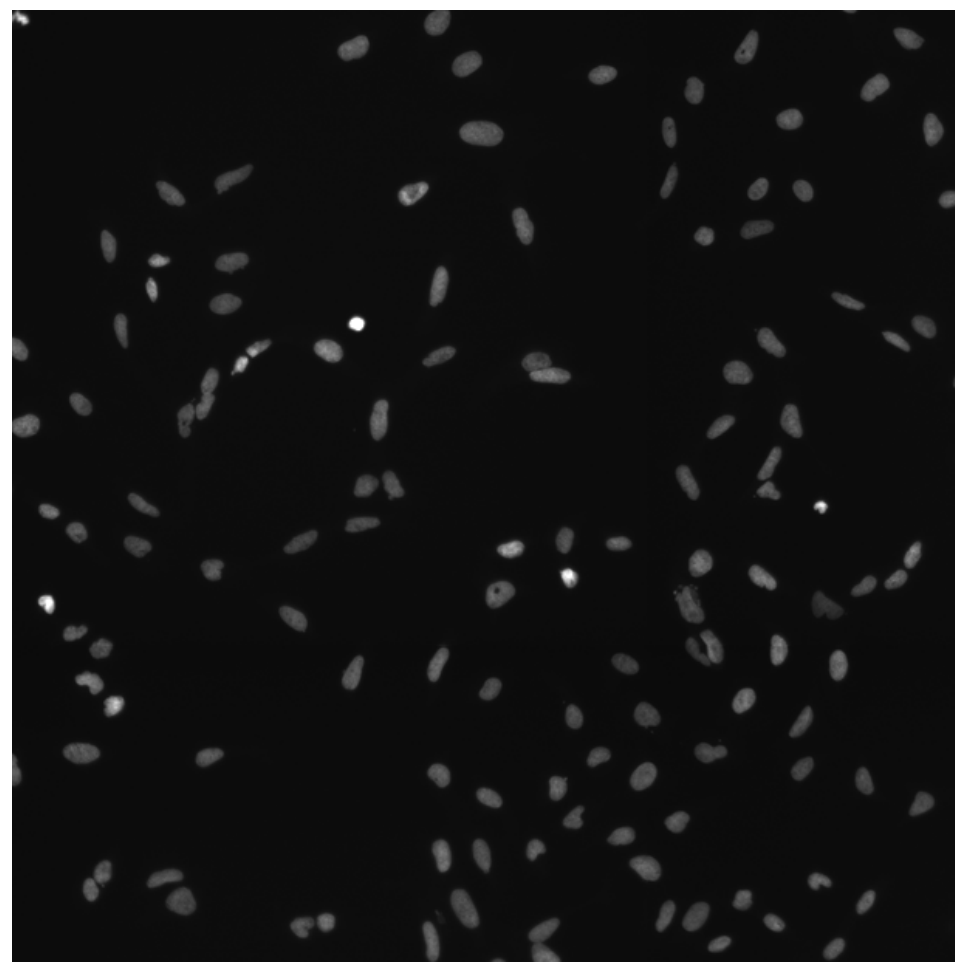
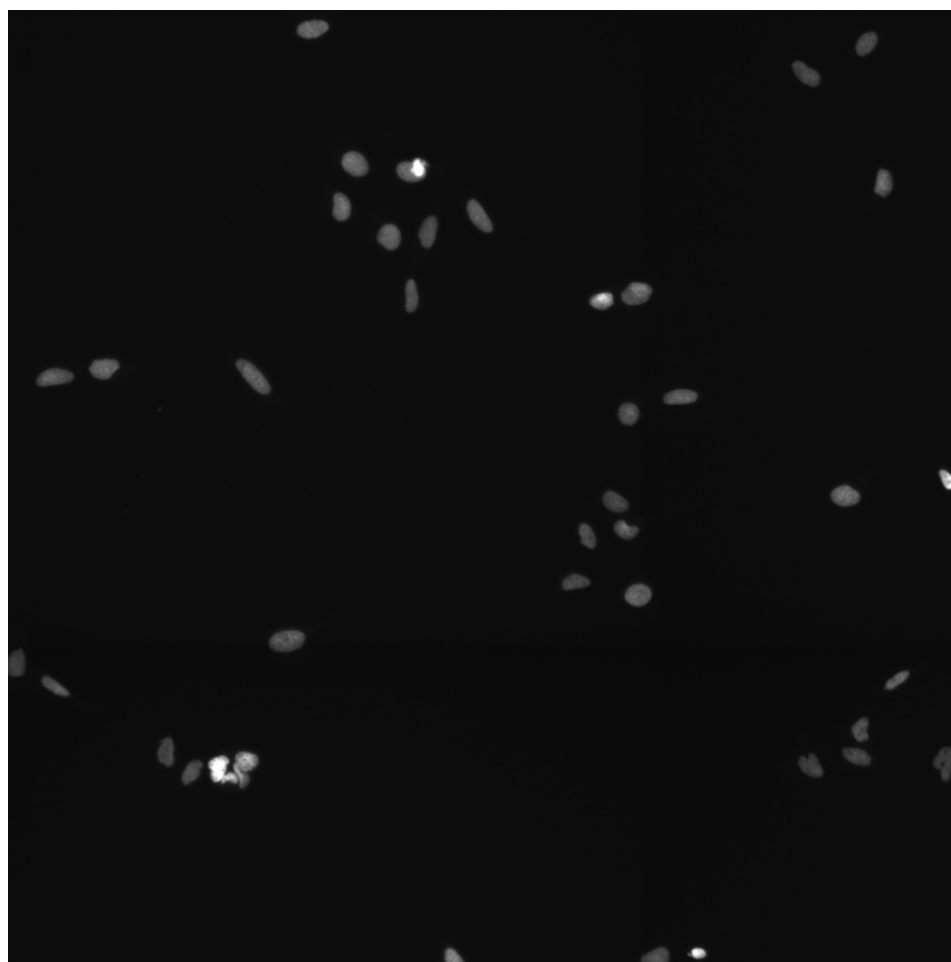
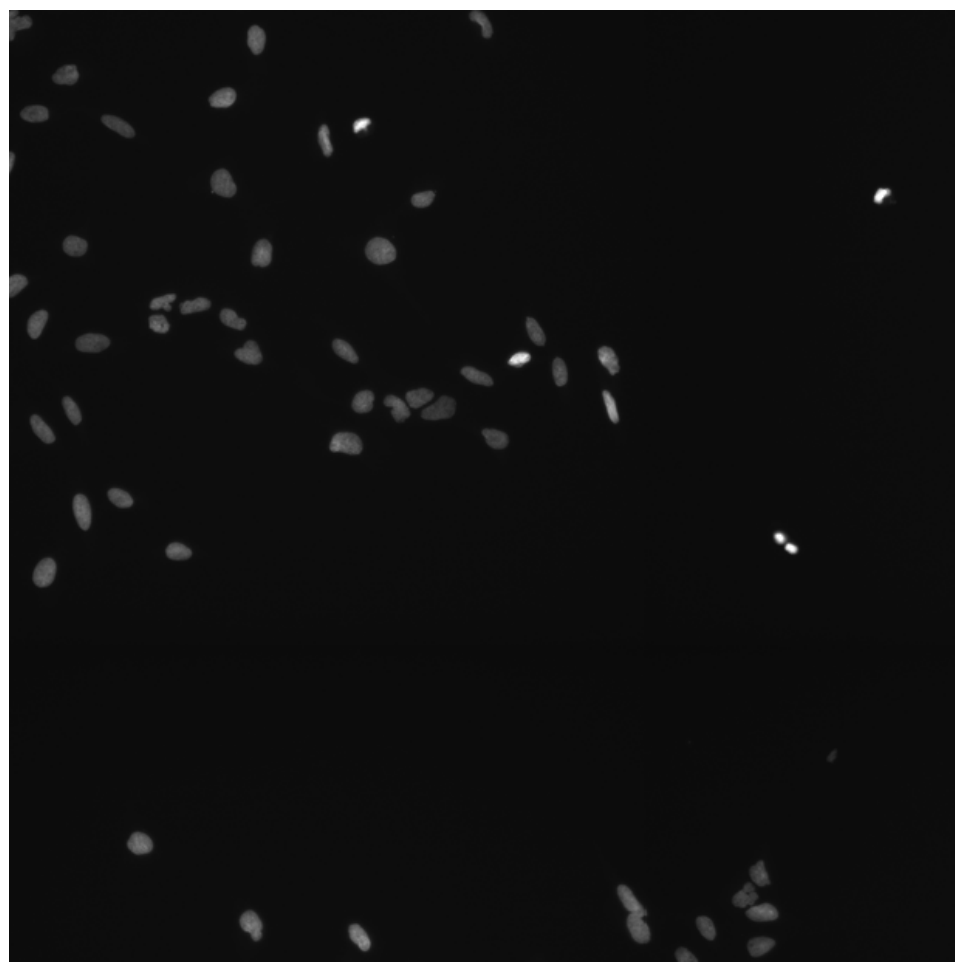
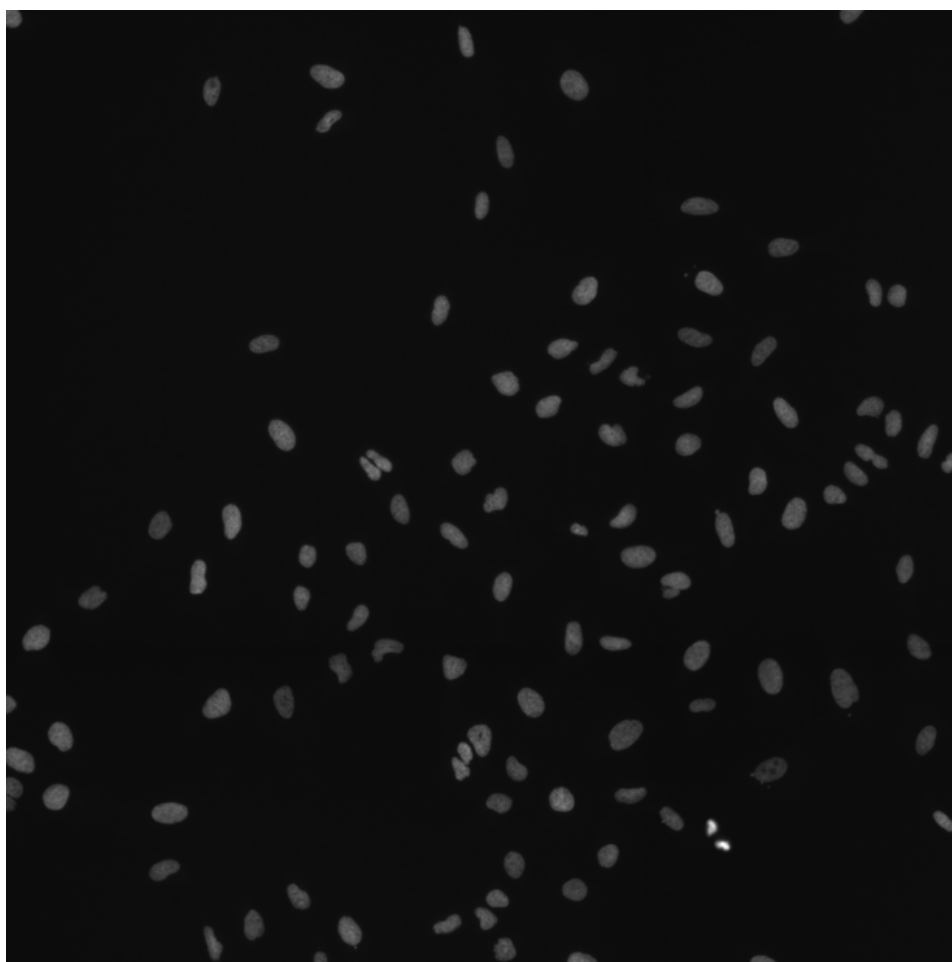
GLI1.WT (41755)

GLI1.WT (41756)

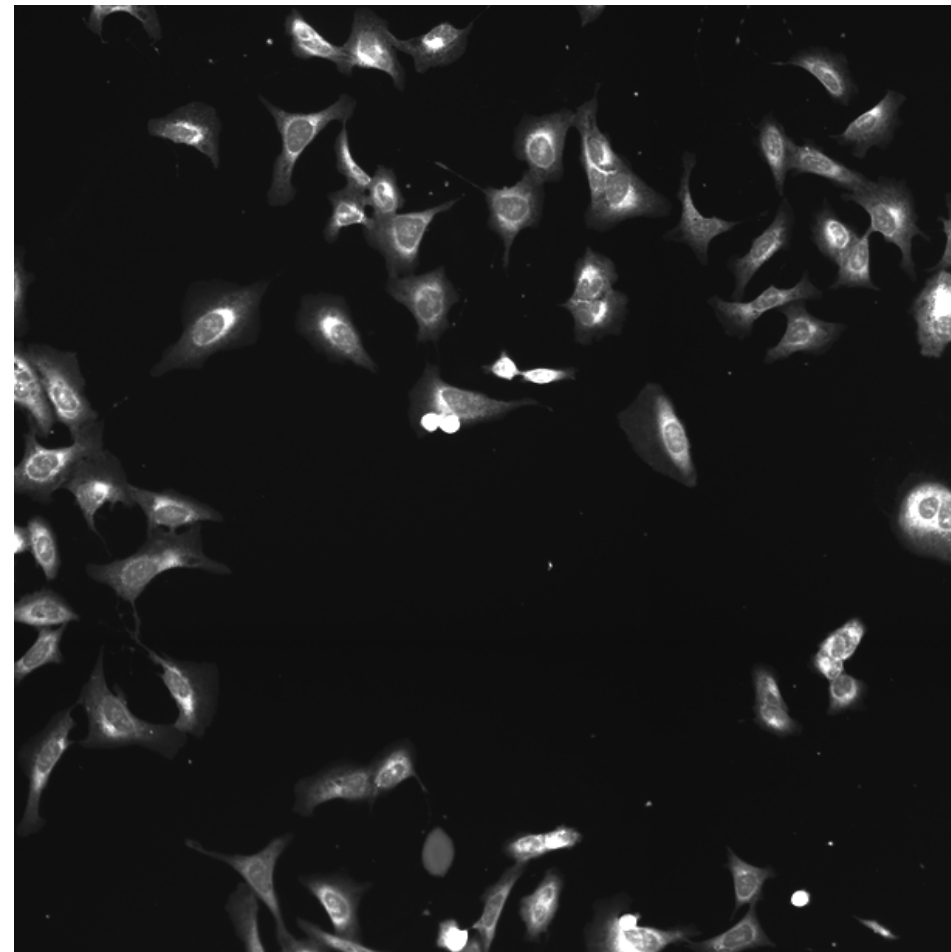
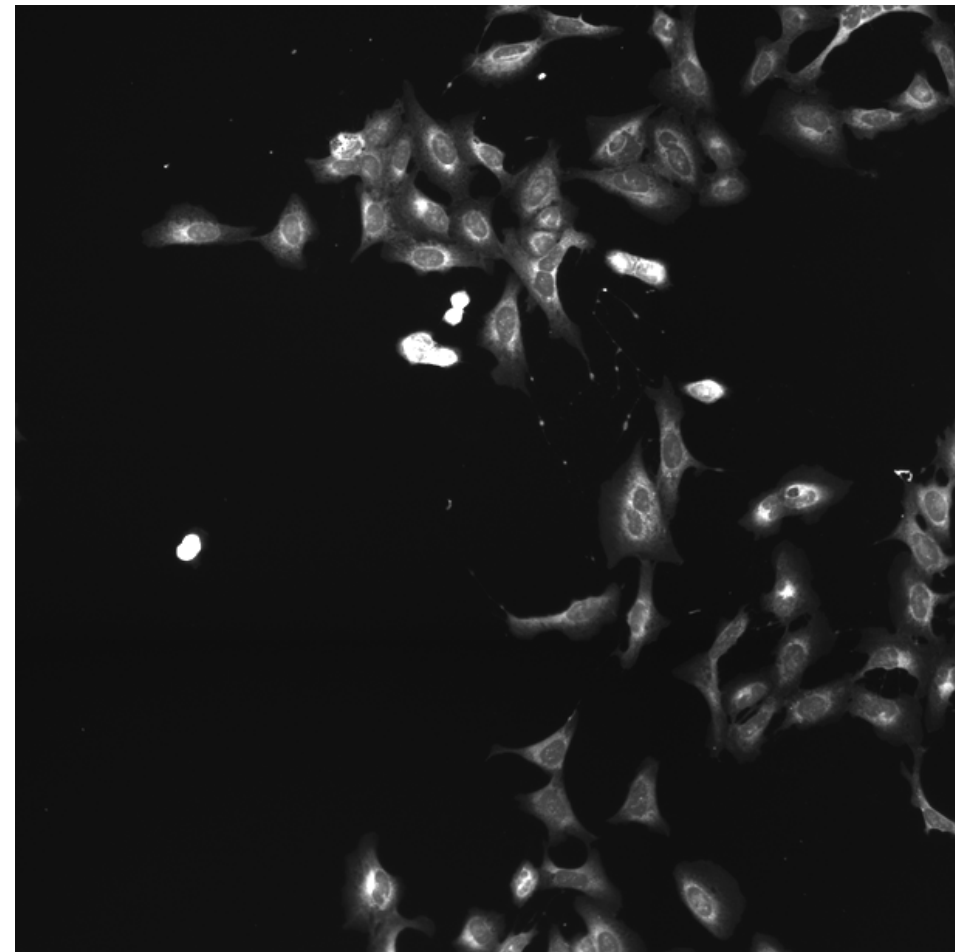
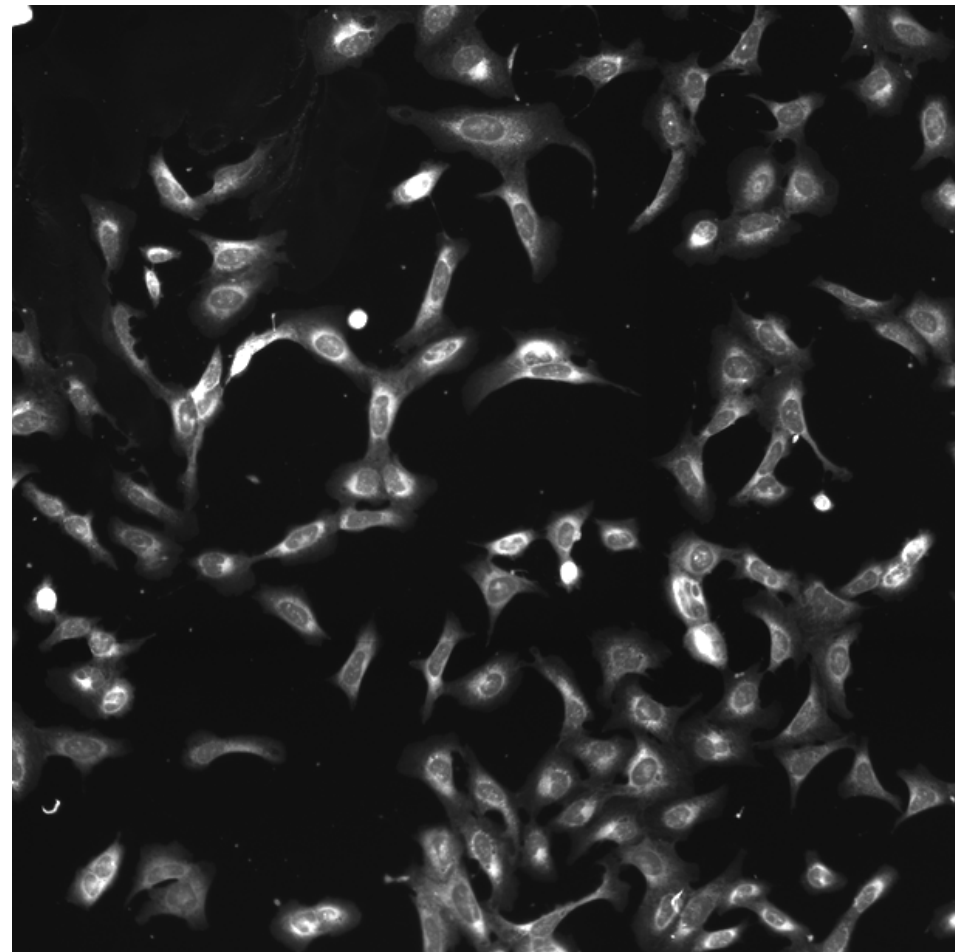
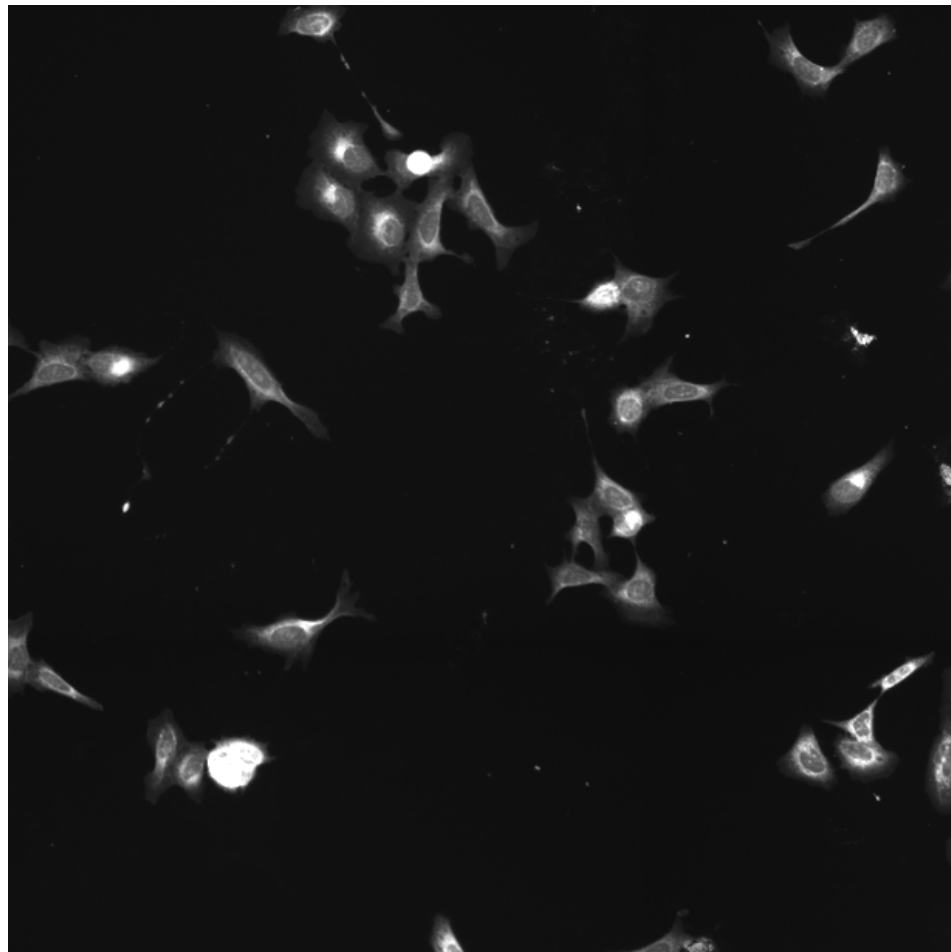
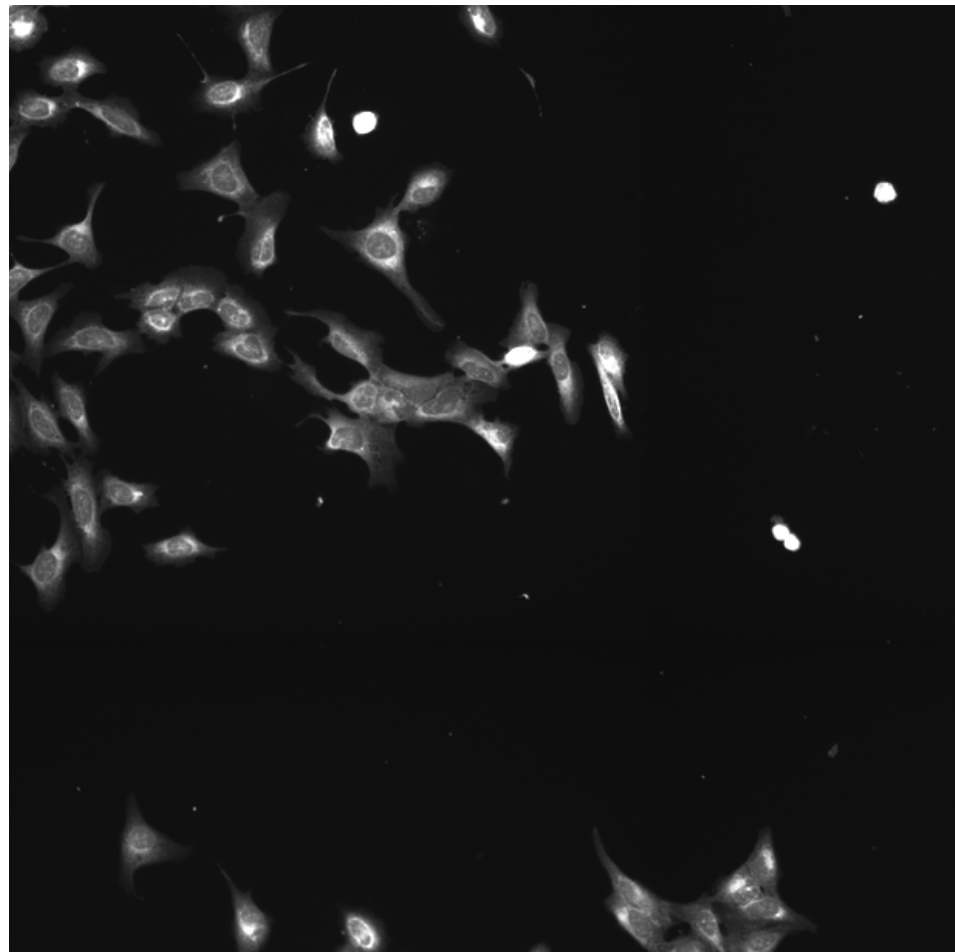
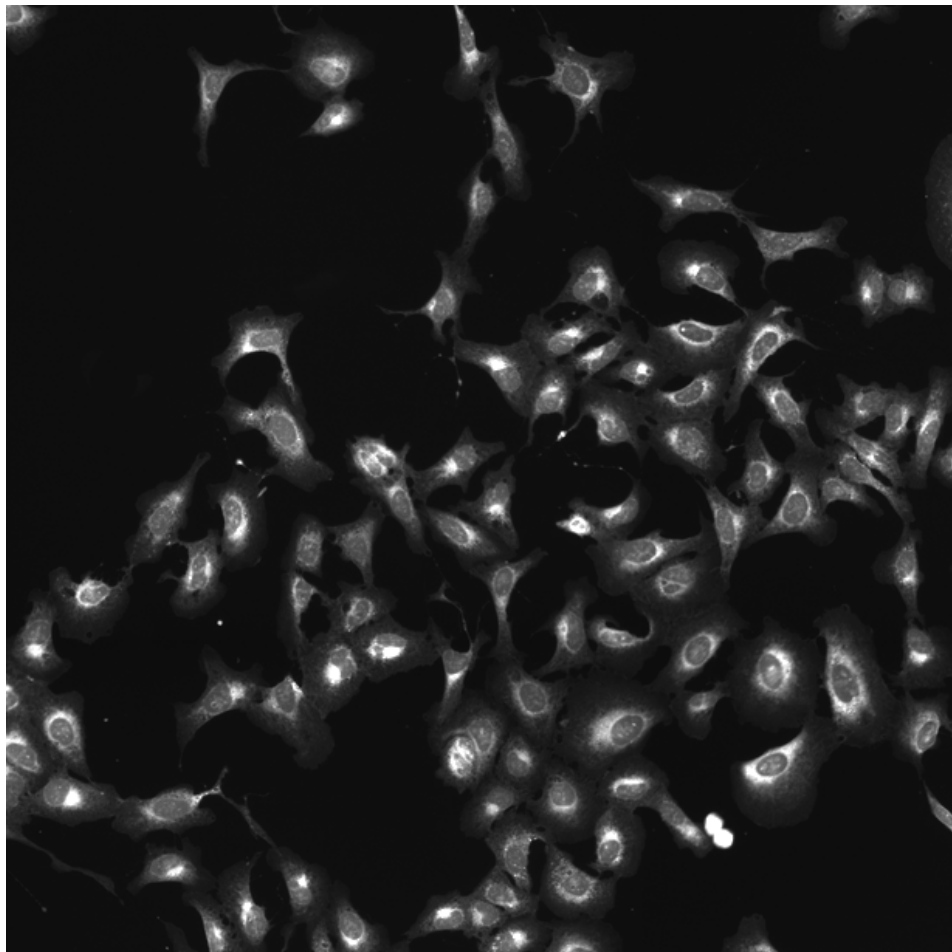
GLI1.WT (41757)

GLI1.WT (41754)

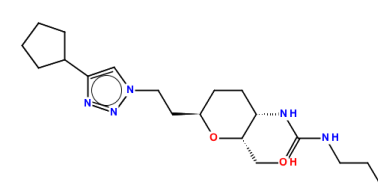
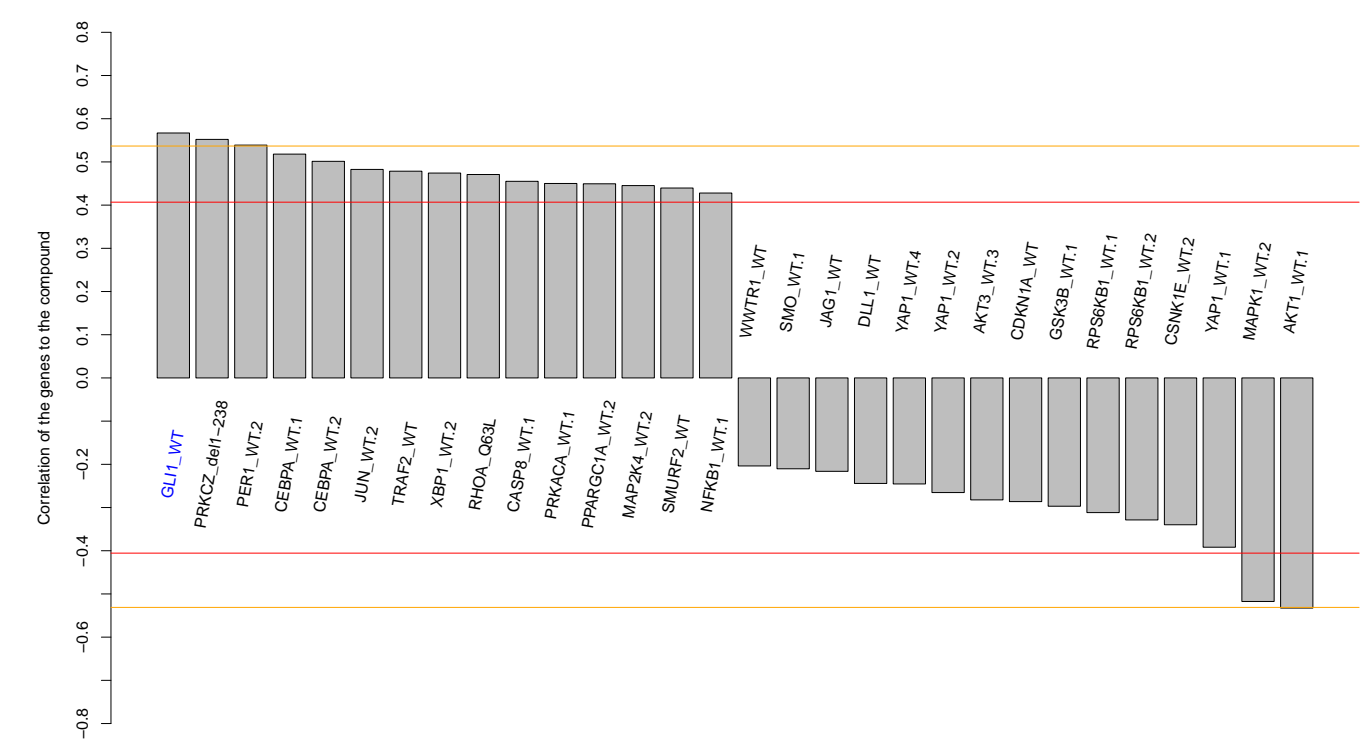
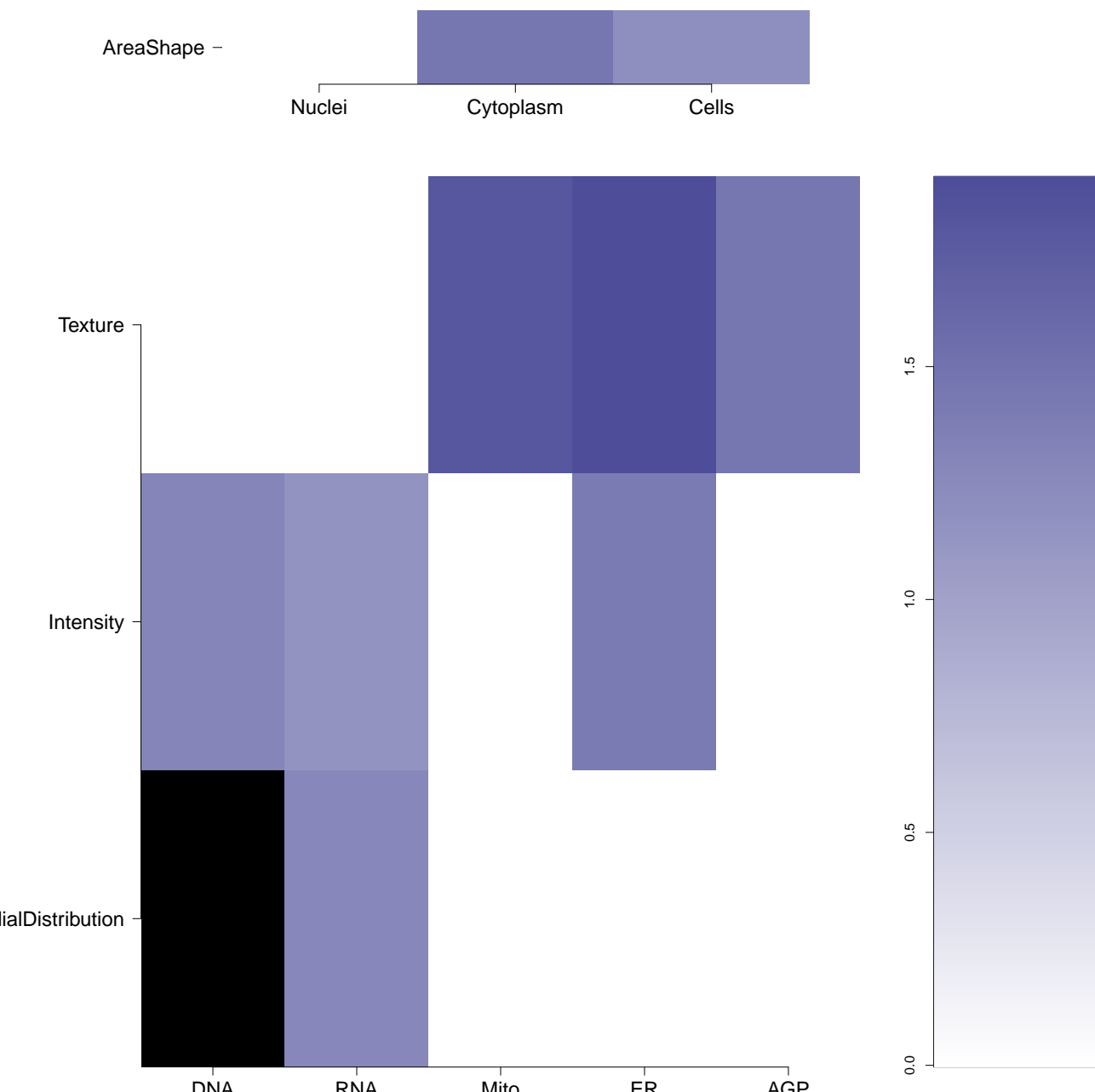

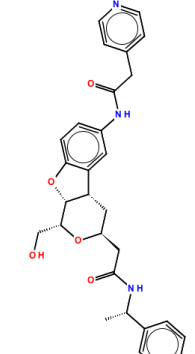
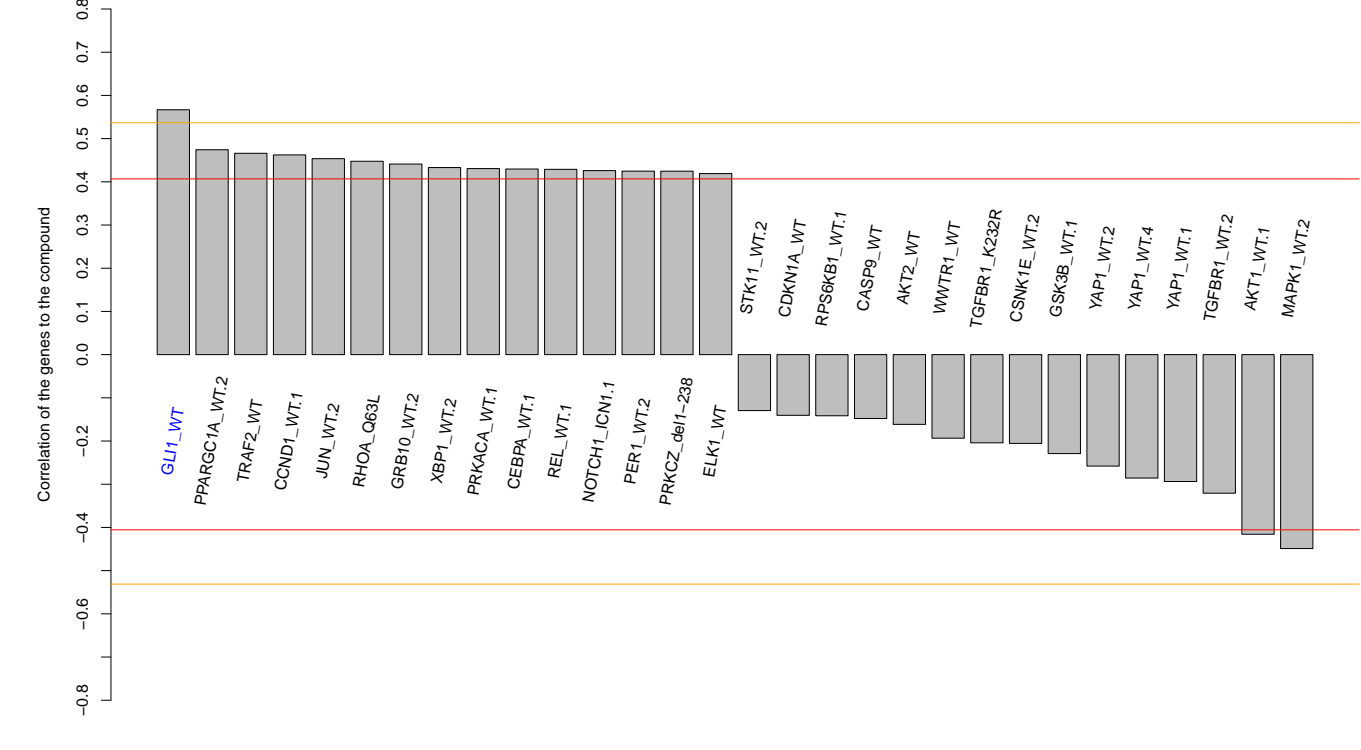
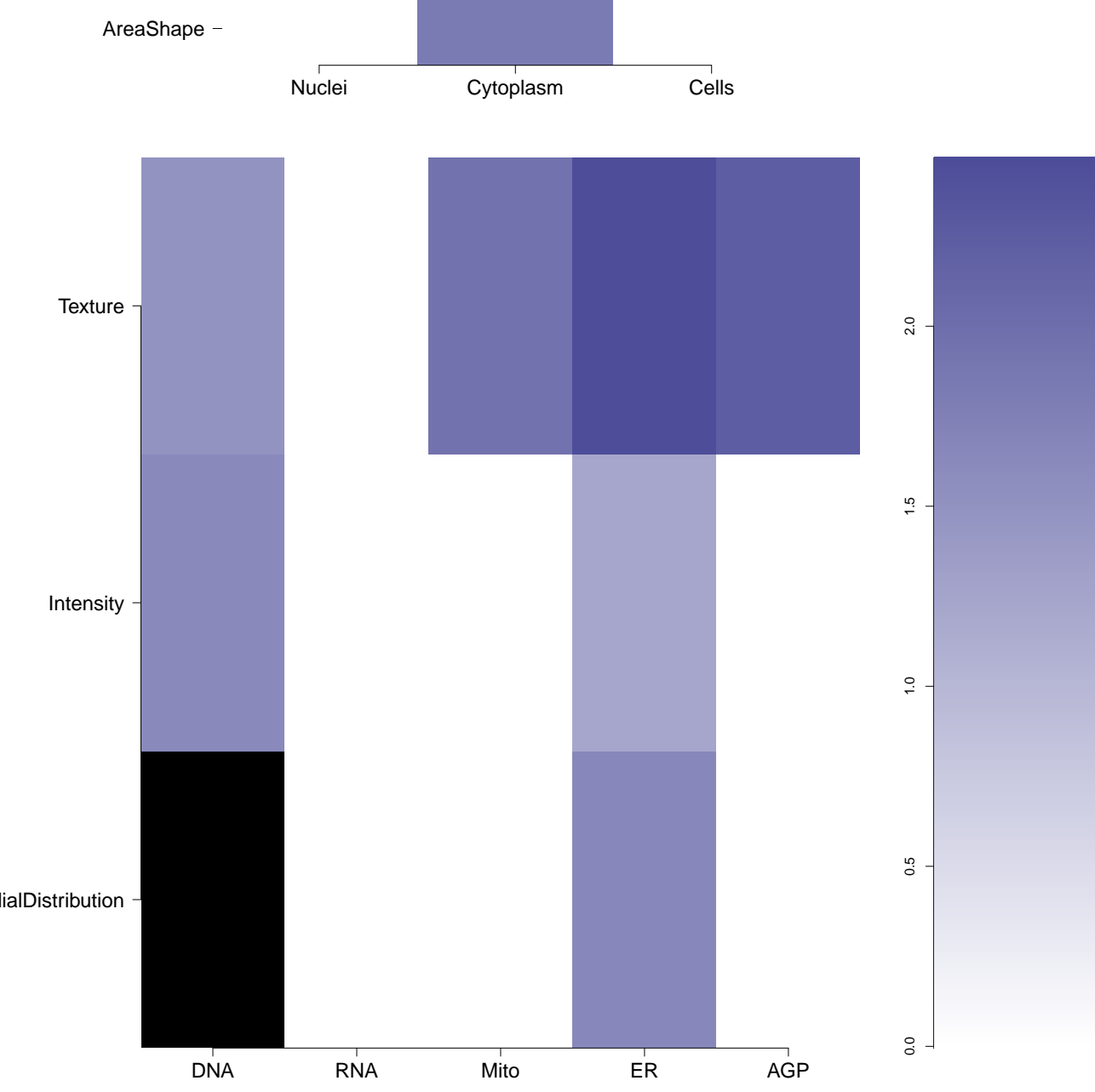

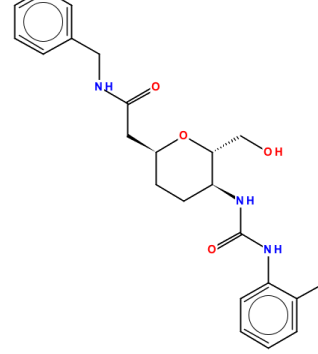
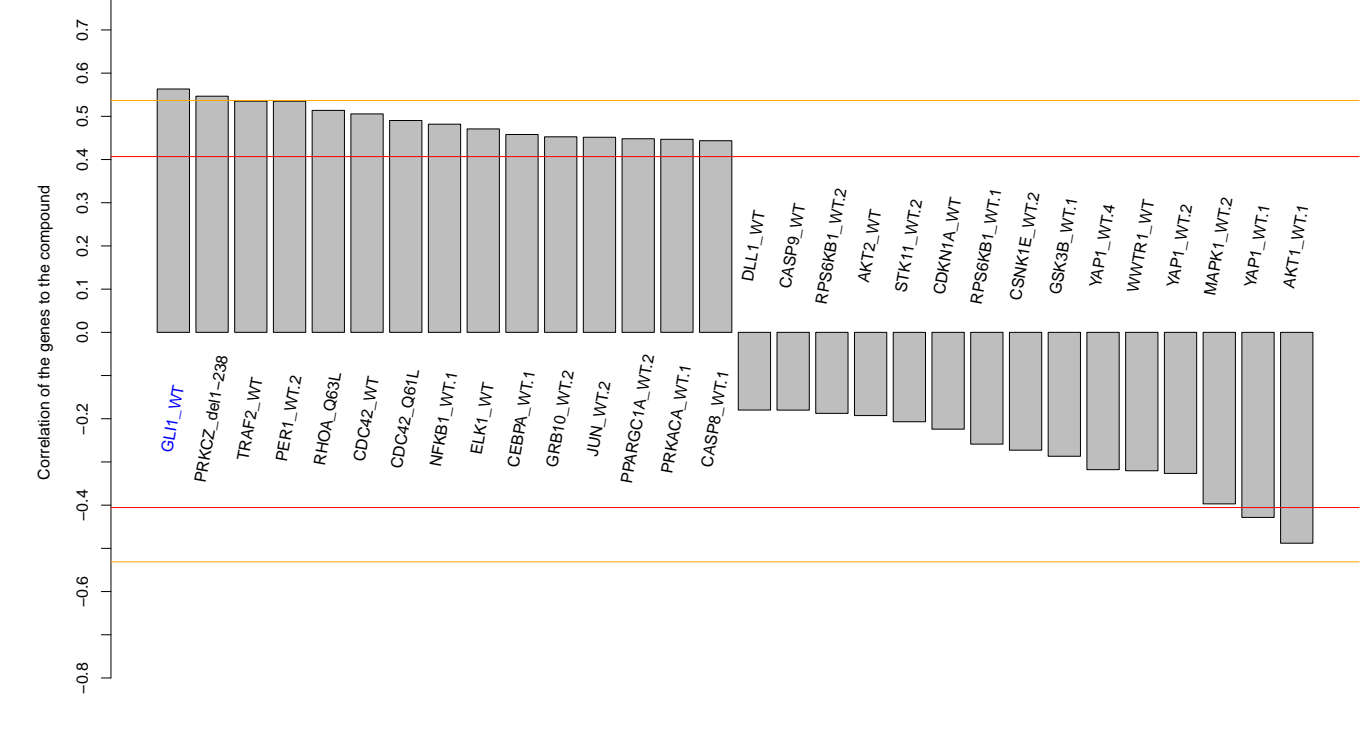
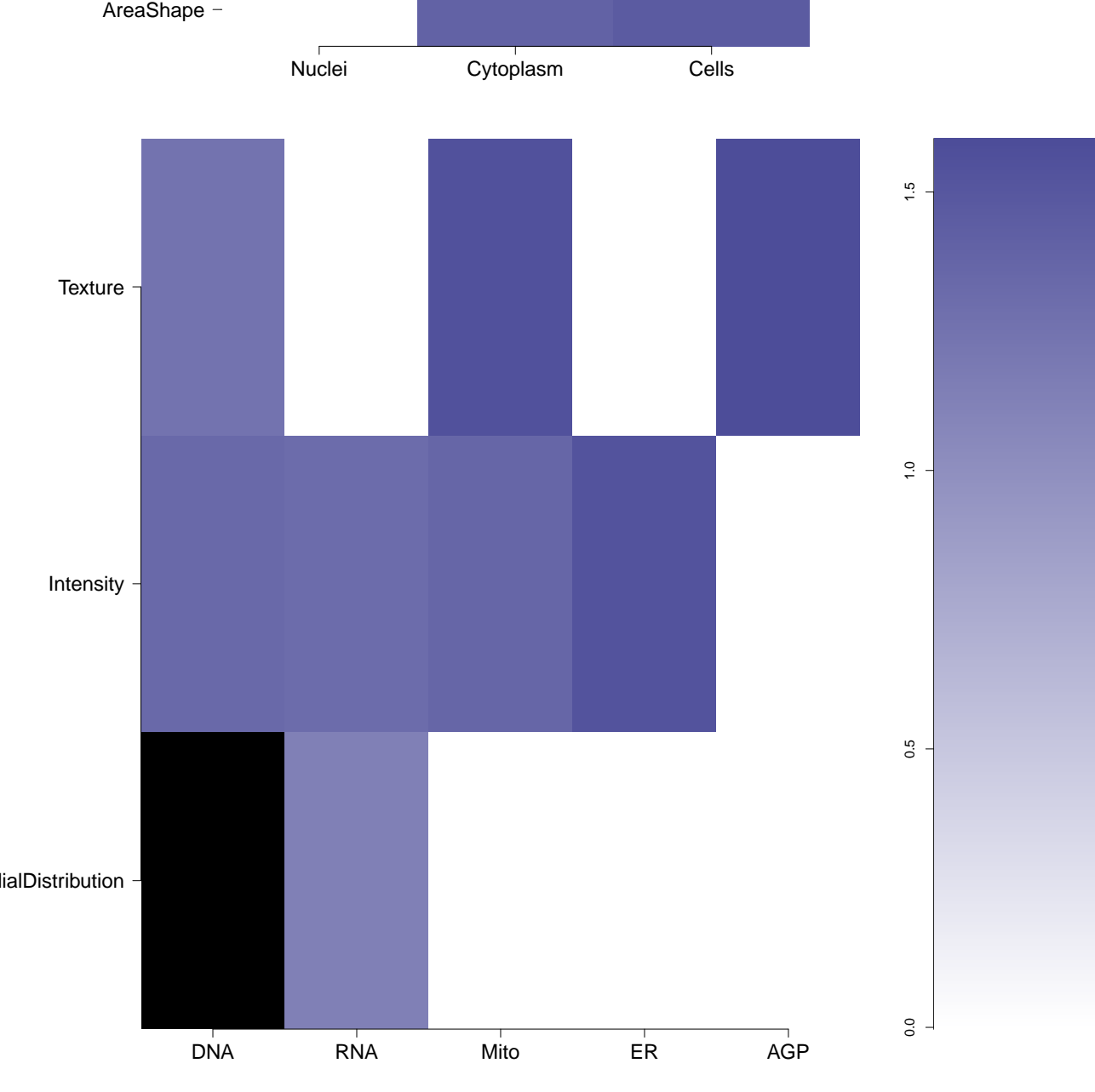

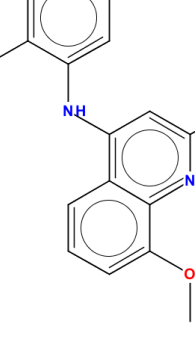
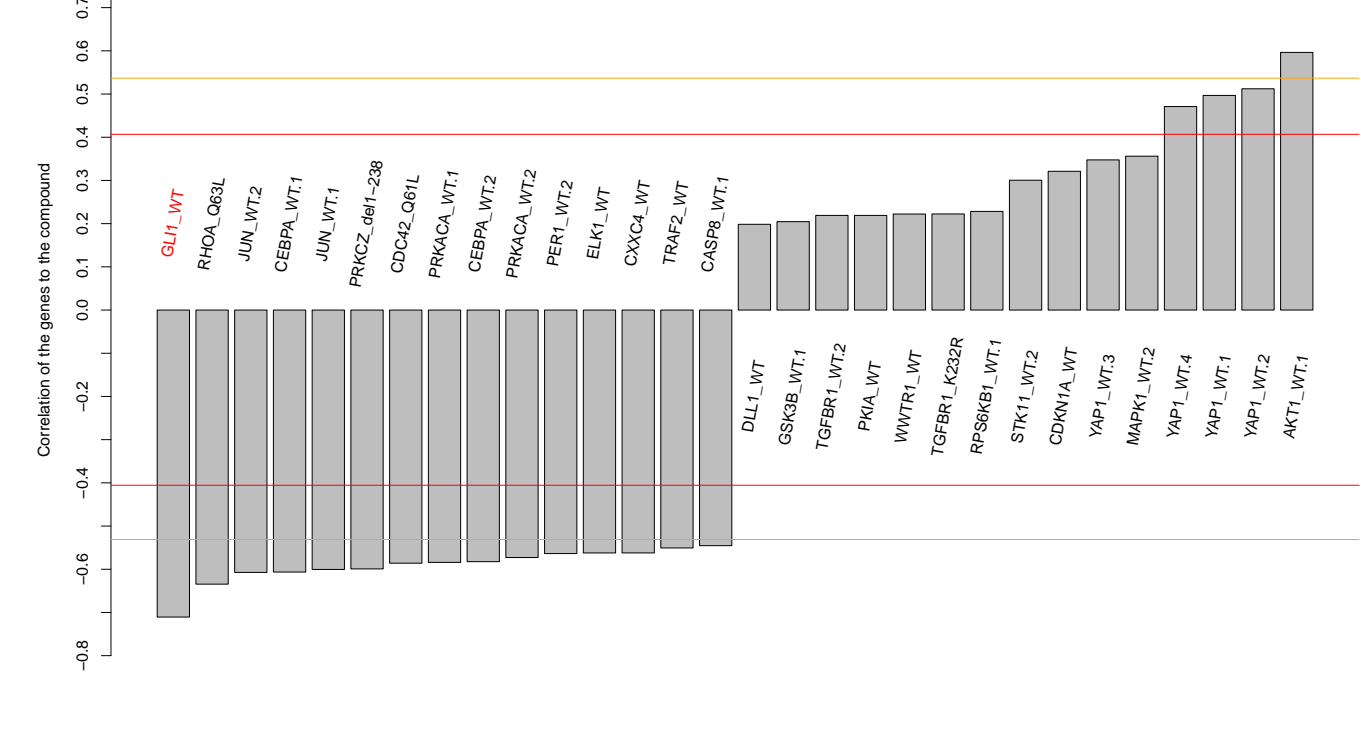
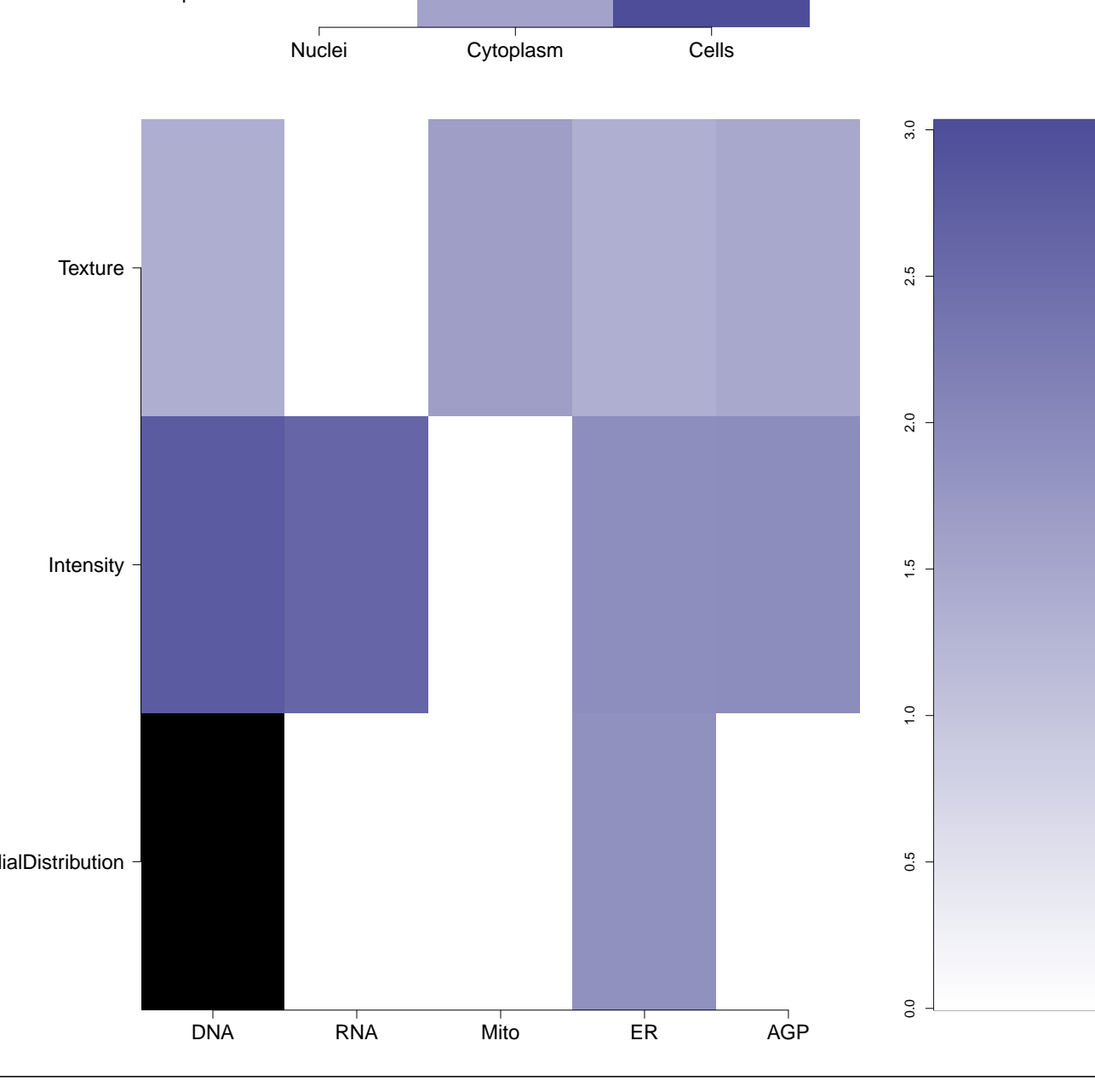
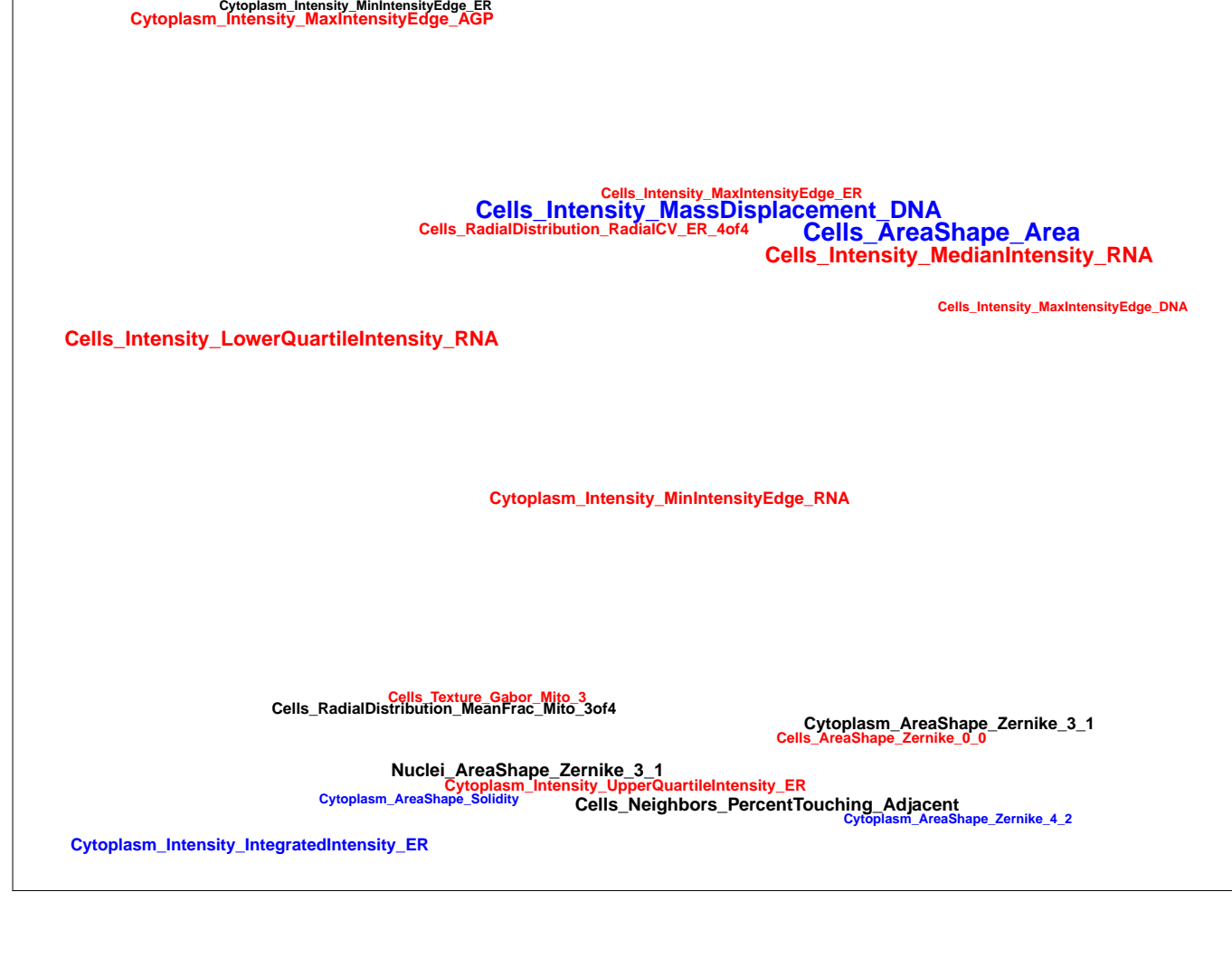
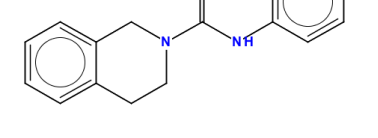
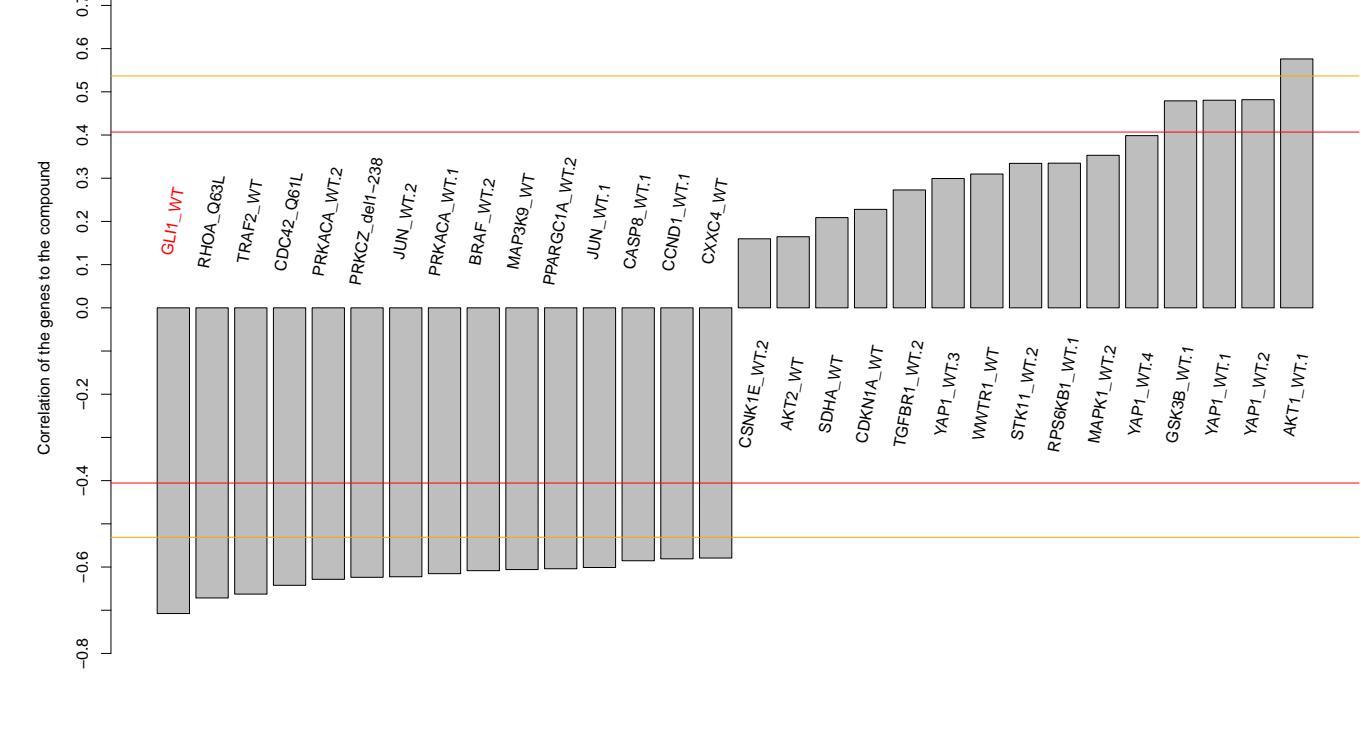
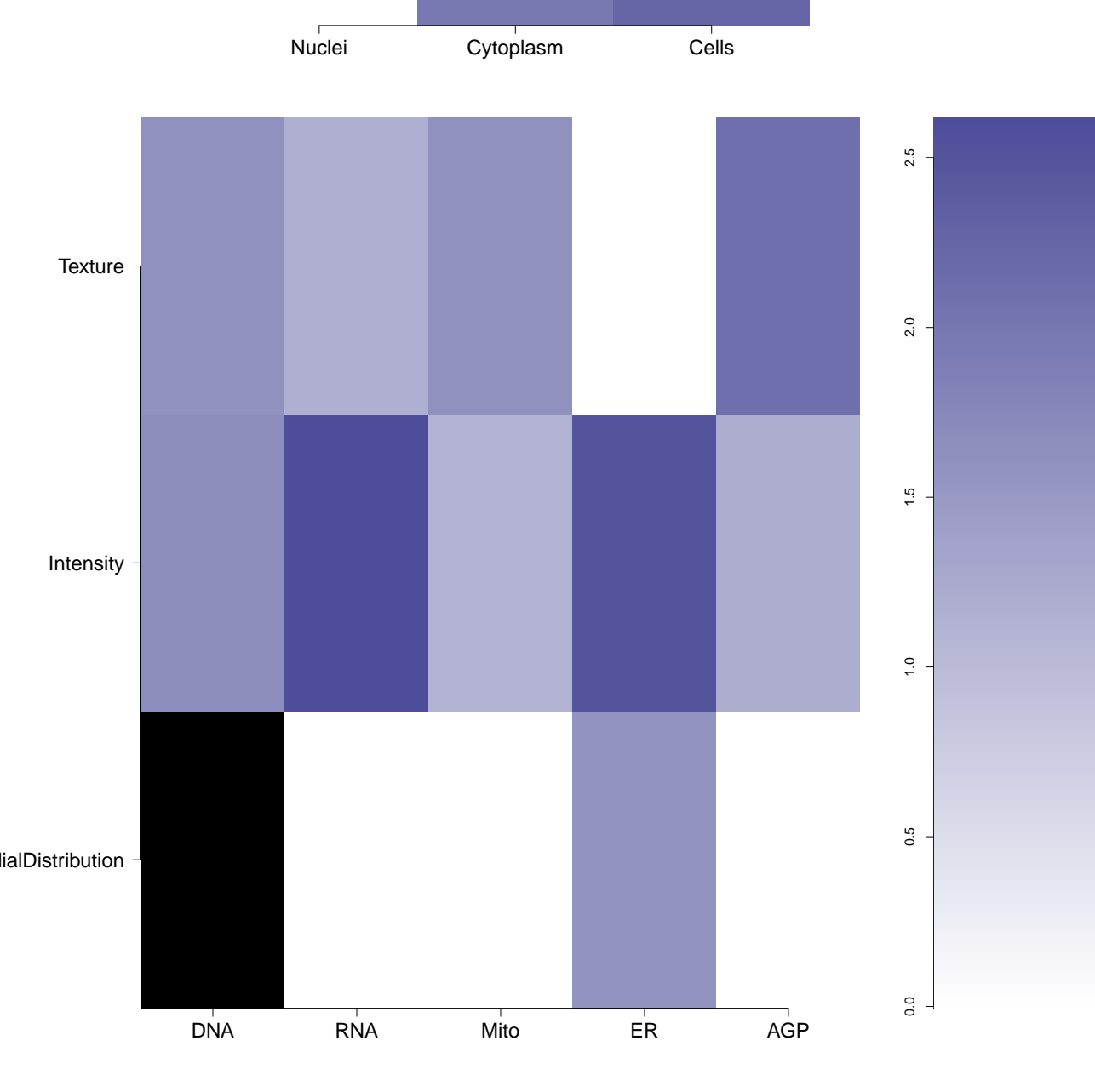
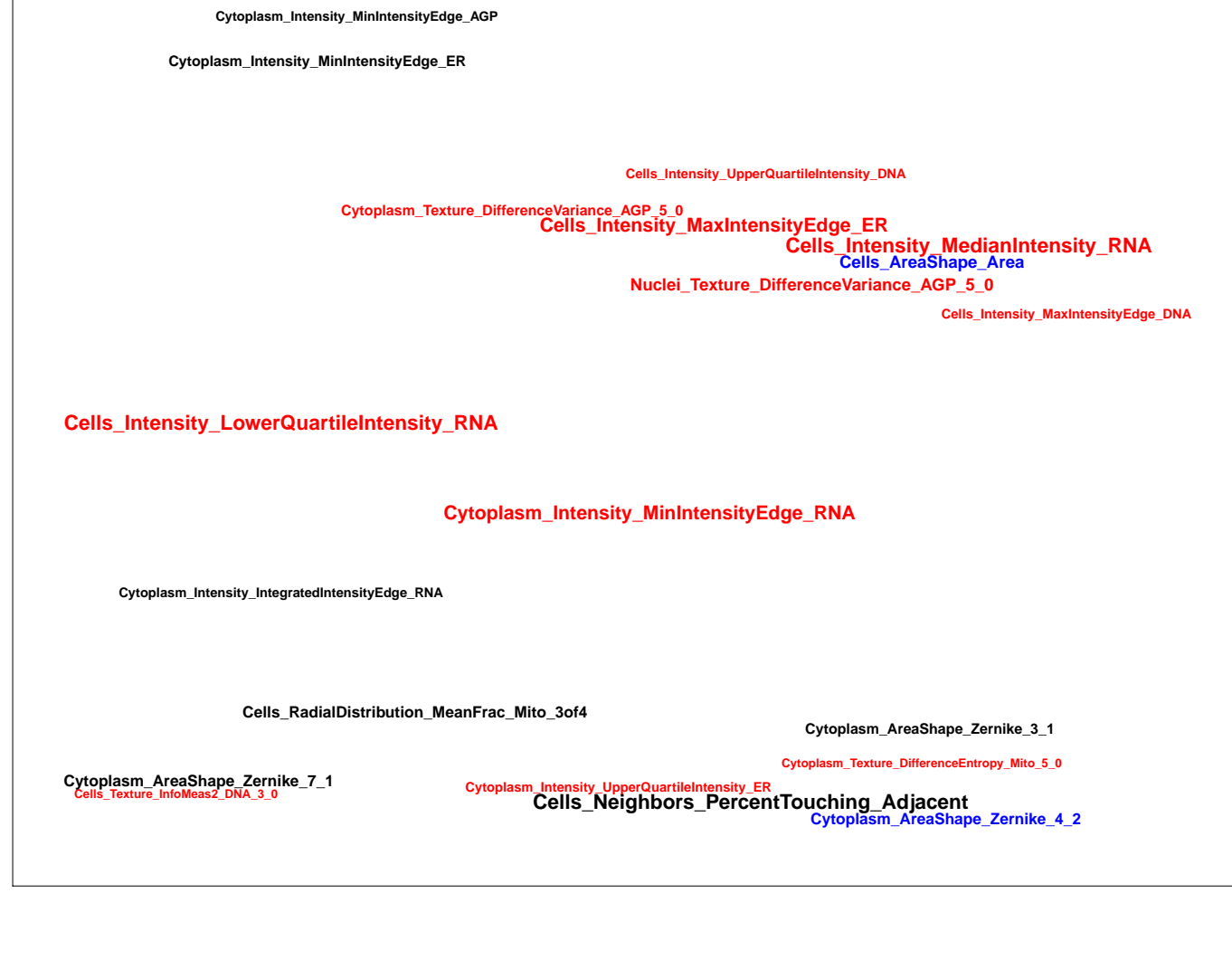
DNA



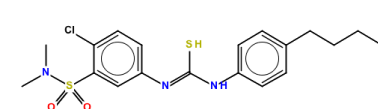
ER



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
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BRD-K26108750-001-01-6 PubChem CID : 54640710		0.74 (in 4 replicates)	0.57	0.859				Total number of assays tested in: 37.
BRD-K55134387-001-01-7 PubChem CID : 54646651		0.87 (in 4 replicates)	0.57	0.971				Total number of assays tested in: 36.
BRD-K61124142-001-01-6 PubChem CID : 54640337		0.78 (in 4 replicates)	0.56	0.088				Total number of assays tested in: 35.
BRD-K98170723-003-05-0 MLS001209415 SMR000514306 PubChem CID : 23724450		NA (in 1 replicates)	-0.71	NA				Total number of assays tested in: 494. Active in the following assays: <ul style="list-style-type: none">• Aqueous Solubility from MLSMR Stock Solutions (AID 1996)• qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686078)• qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686079)• qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)
BRD-K59420052-001-05-1 ST50277656 ZINC00318938 ACILFSO4 MLS000677351 HMS2648M19 ZINC318938 CCG-15022 BAS 05338703 SMR000286104 PubChem CID : 808203		NA (in 1 replicates)	-0.71	NA				Total number of assays tested in: 636. Active in the following assays: <ul style="list-style-type: none">• MLPCN Alpha-Synuclein 3'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 2515)• Luminescence-based primary cell-based high throughput screening assay to identify activators of the Aryl Hydrocarbon Receptor (AHR) (AID 2796)• qHTS Assay for NPC1 Promoter Activators (AID 485313)• qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)• Fluorescence-based cell-based primary high throughput screening assay to identify agonists of the human trace amine associated receptor 1 (TAAR1) (AID 624607)• Fluorescence-based cell-based primary high throughput confirmation assay to identify agonists of the human trace amine associated receptor 1 (TAAR1) (AID 651783)• Luminescence-based cell-based primary high throughput screening assay to identify agonists of the DAF-12 from the parasite H. glycines (hgDAF-12). (AID 687014)• qHTS for Inhibitors of PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720504)• qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)• Wnt/Beta-catenin HTS Measured in Cell-Based System Using Plate Reader - 2161-01 Activator:SinglePoint-HTS_Activity (AID 743398)

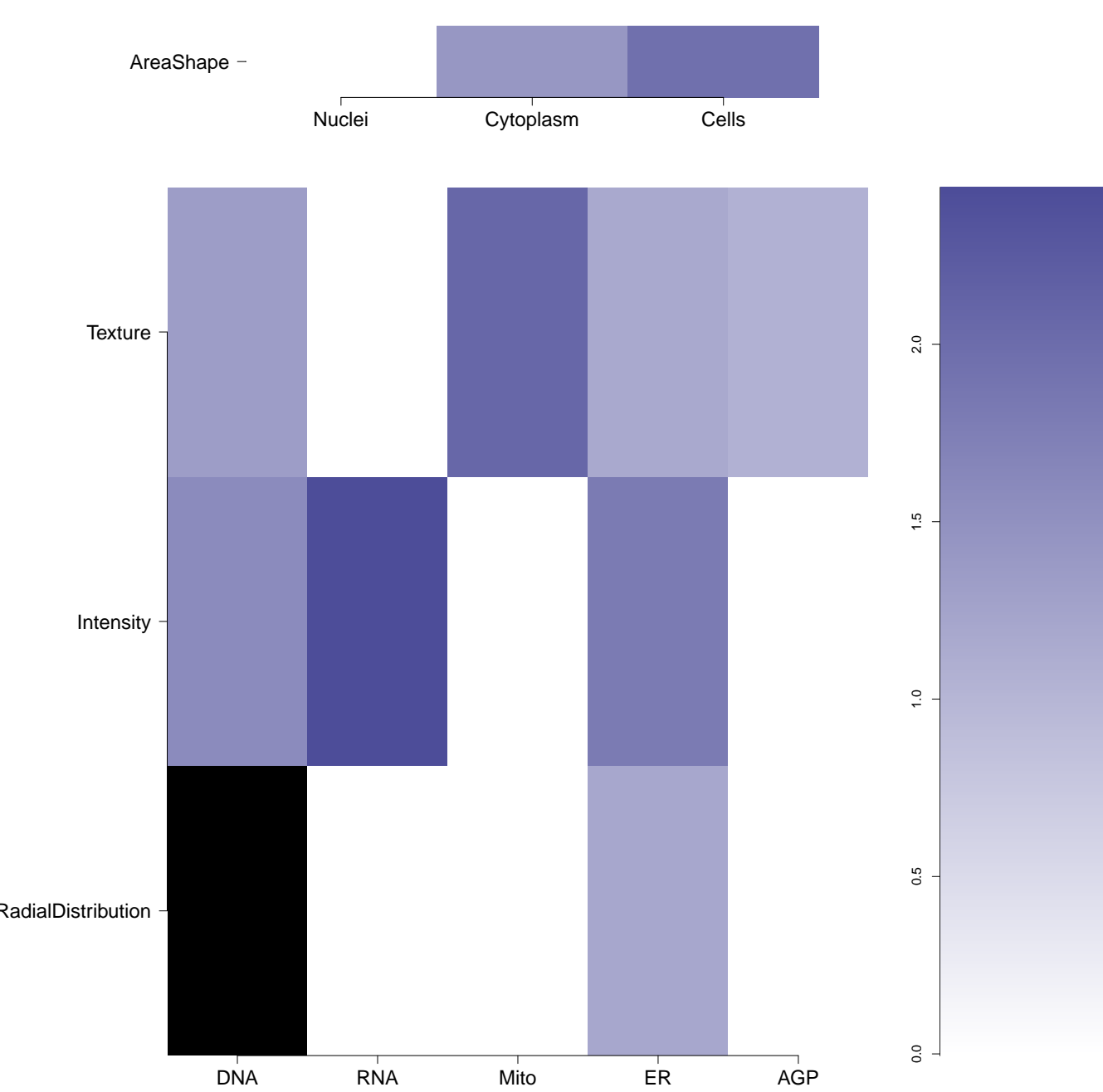
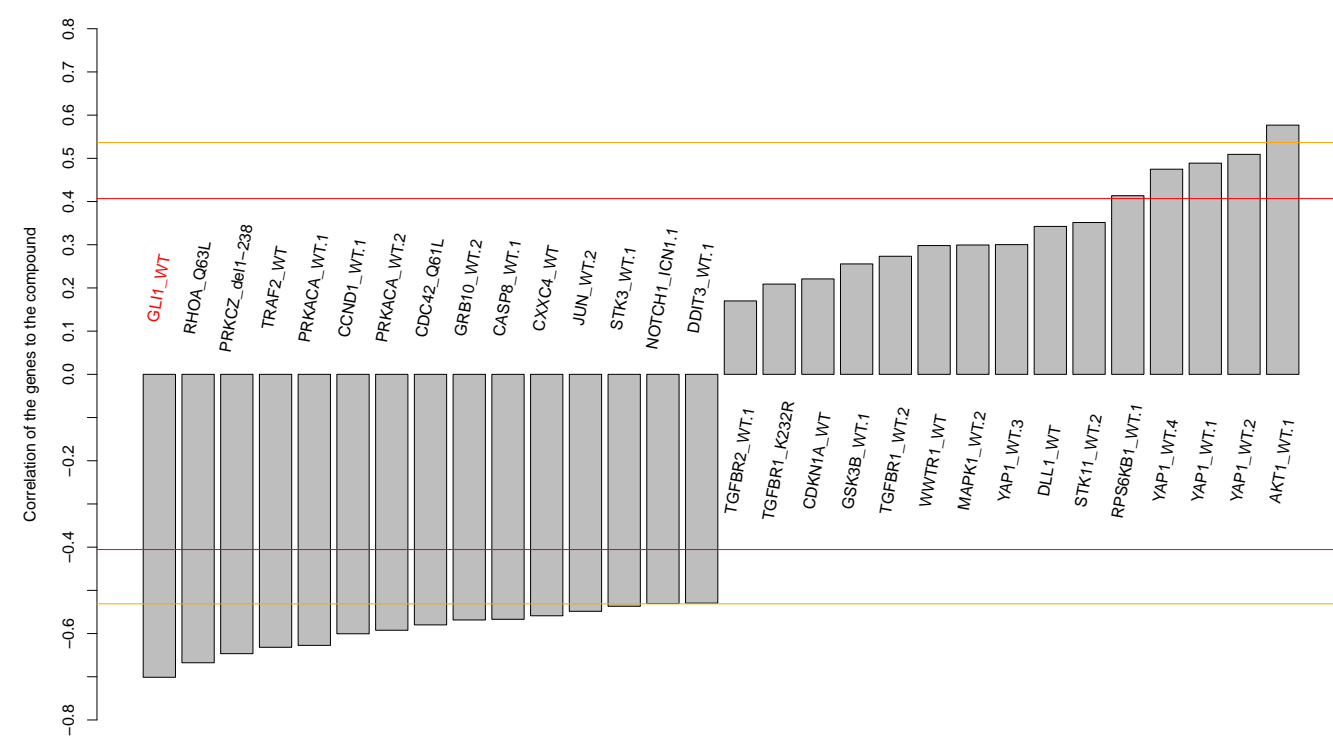
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NA (in 1 replicates)

-0.70

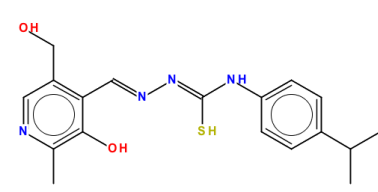
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Total number of assays tested in: 618. Active in the following assays:

- Screen for Chemicals that Inhibit the RAM Network (AID 868)
- Leishmania major promastigote HTS (AID 1063)
- Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Confirmatory Screen (AID 1361)
- Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Primary Screen (AID 1362)
- MLPCP Alpha-Synuclein 5'UTR - 5' UTR binding - activators (AID 1814)
- High Content Assay for Compounds that Inhibit the Assembly of the Prionuclear Compartment (AID 2417)
- qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)
- HTS for small molecule inhibitors of CHOP to regulate the unfolded protein response to ER stress (AID 2732)
- Assay for HTS of G_i/Go(Linked) GPCRs using mGluR5 (AID 48869)
- CHOP Confirmed-Screen (AID 504437)
- Primary cell-based high-throughput screening for identification of compounds that inhibit/block calcium-activated chloride channels (TMEM16A) (AID 585811)
- mHTS Identification of small molecule inhibitors of the mitochondrial permeability transition pore via an absorbance assay (AID 602449)
- Activators of the GIRK family of Potassium Channels (GIRK Confirmatory) (AID 623906)
- Activators of the GIRK family of Potassium Channels (GIRK1/2/Confirmatory) (AID 623911)
- Single concentration confirmation of mHTS inhibitor hits of the mitochondrial permeability transition pore via a fluorescent based assay (AID 624504)
- qHTS for induction of synthetic lethality in tumor cells producing 2HG; qHTS for the HT-1080-IDH1DK cell line (AID 686971)
- qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1); qHTS in cells in presence of CPT (AID 686979)

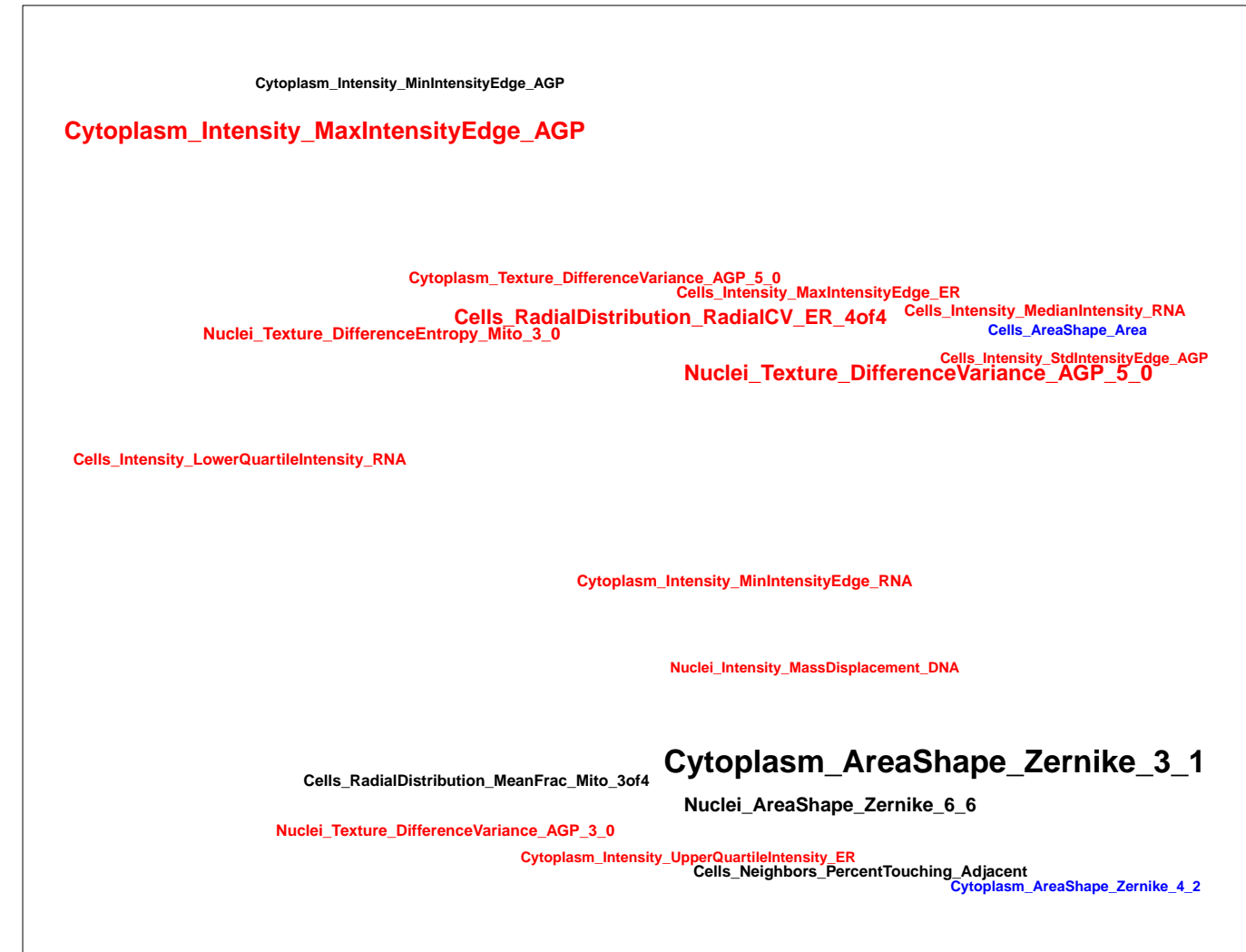
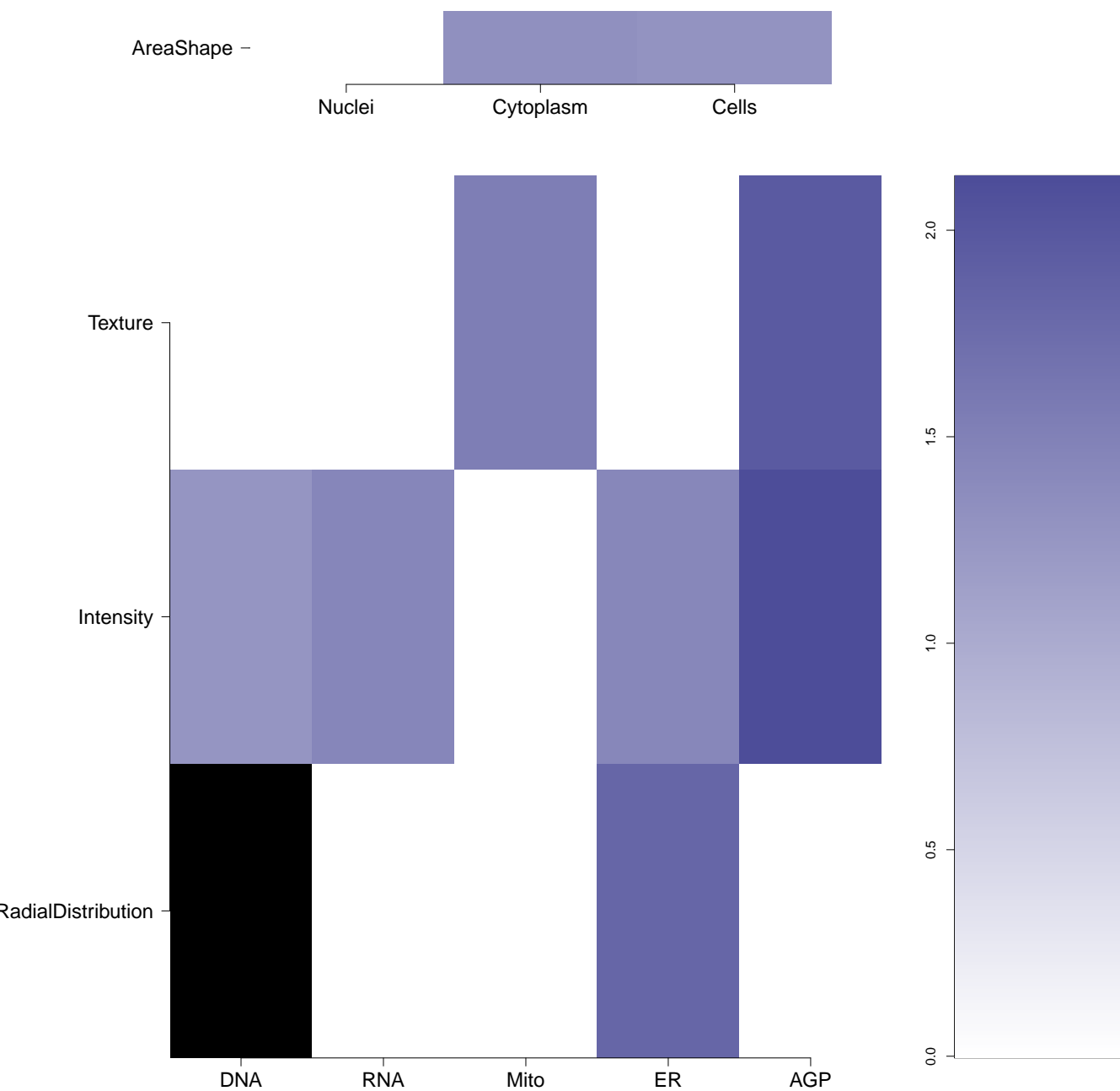
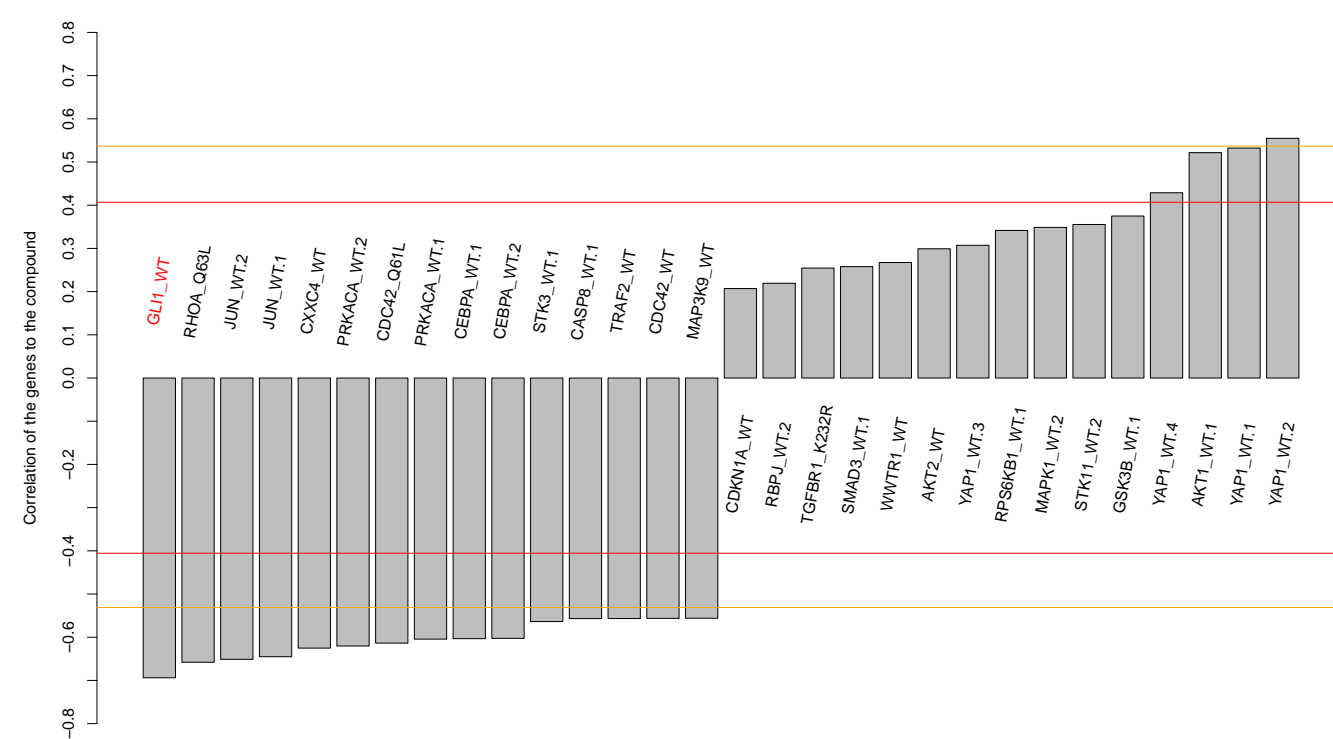
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SMR000241729
PubChem CID : 6074706



NA (in 1 replicates)

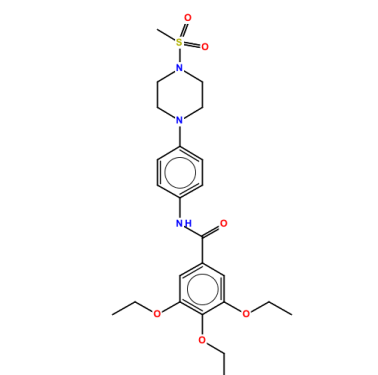
-0.69

NA



- Total number of assays tested in: 564. Active in the following assays:
 - qHTS Assay for Inhibitors of Bacillus subtilis Spo phosphotransferase (PTase) (AID 1490)
 - qHTS Assay for Inhibitors of BAZ2B (AID 504333)
 - qHTS Assay for Inhibitors of JMD2A-Tudor Domain (AID 504339)
 - Primary qHTS for delayed death inhibitors of the malarial parasite plasmod, 96 hour incubation (AID 504834)
 - qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for mtk-21 project) (AID 588342)
 - A quantitative high throughput screen for small molecules that induce DNA re-replication in single colon adenocarcinoma cells. (AID 524297)
 - Inhibition of the MLL-AF4-AF9 Interaction in Pediatric Leukemia Measured in Biochemical System Using Plate Reader - 21601-01 Inhibitor: SinglePoint-HTS Activity (AID 651704)
 - qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
 - qHTS for Inhibitors of human tyrosyl-DNA phosphotransferase 1 (TDP1); qHTS in cells in absence of CPT (AID 680978)
 - qHTS for Inhibitors of human tyrosyl-DNA phosphotransferase 1 (TDP1); qHTS in cells in presence of CPT (AID 680979)
 - Alphascreen Interference Assay Measured in Biochemical System Using Plate Reader - 21602-02 Inhibitor: Dose-CherryPick Activity (AID 720944)
 - Inhibition of the MLL-AF4-AF9 Interaction in Pediatric Leukemia Measured in Biochemical System Using Plate Reader - 21601-01 Inhibitor: Dose-CherryPick Activity (AID 720945)
 - qHTS for Inhibitors of PLK1-PDB (polo-kinase 1 - polo-box domain) (polo-kinase) (AID 735054)
 - Fluorescence polarization-based biochemical high-throughput primary assay to identify inhibitors of salivc acid acetyltransferase (SIAE) (AID 1053197)

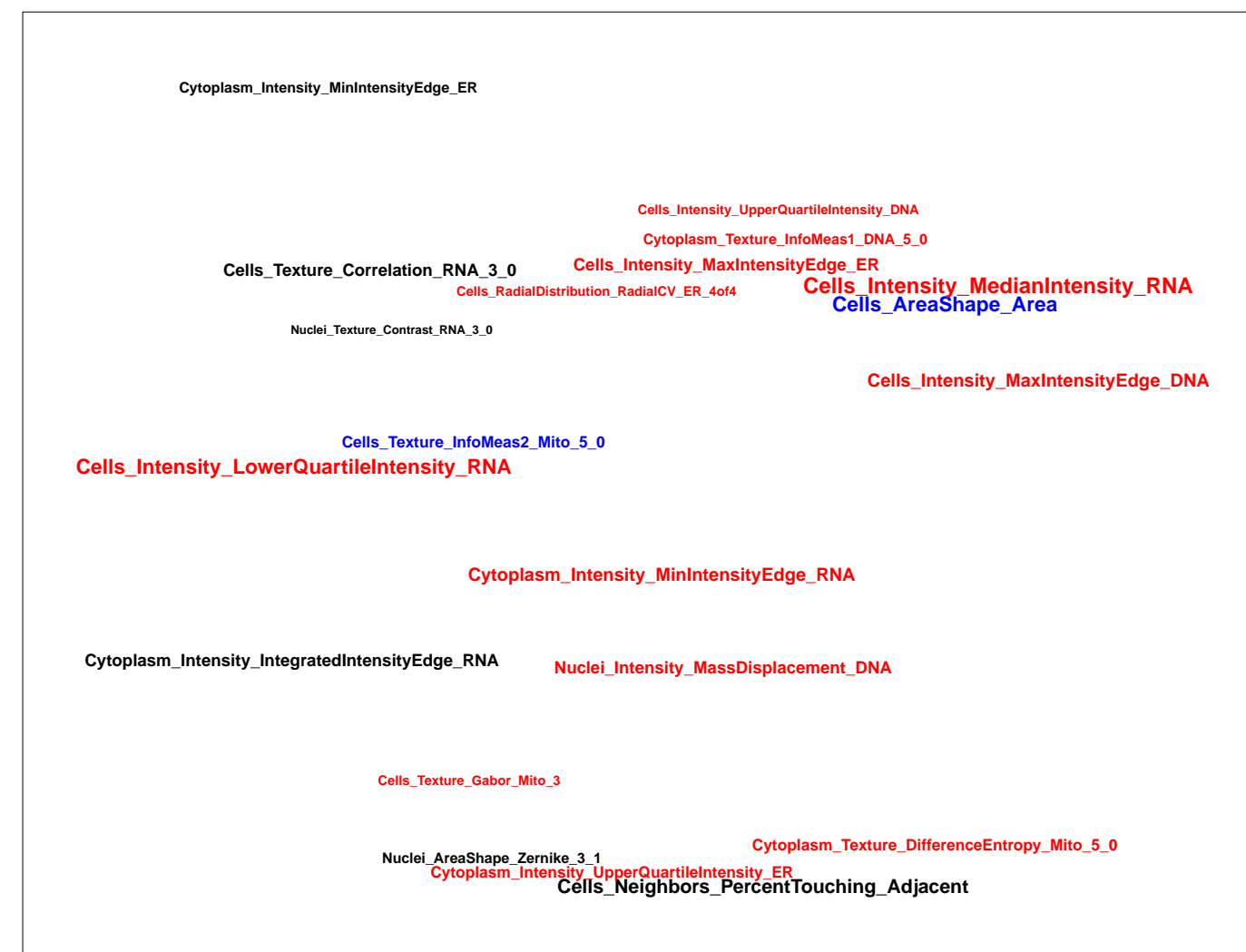
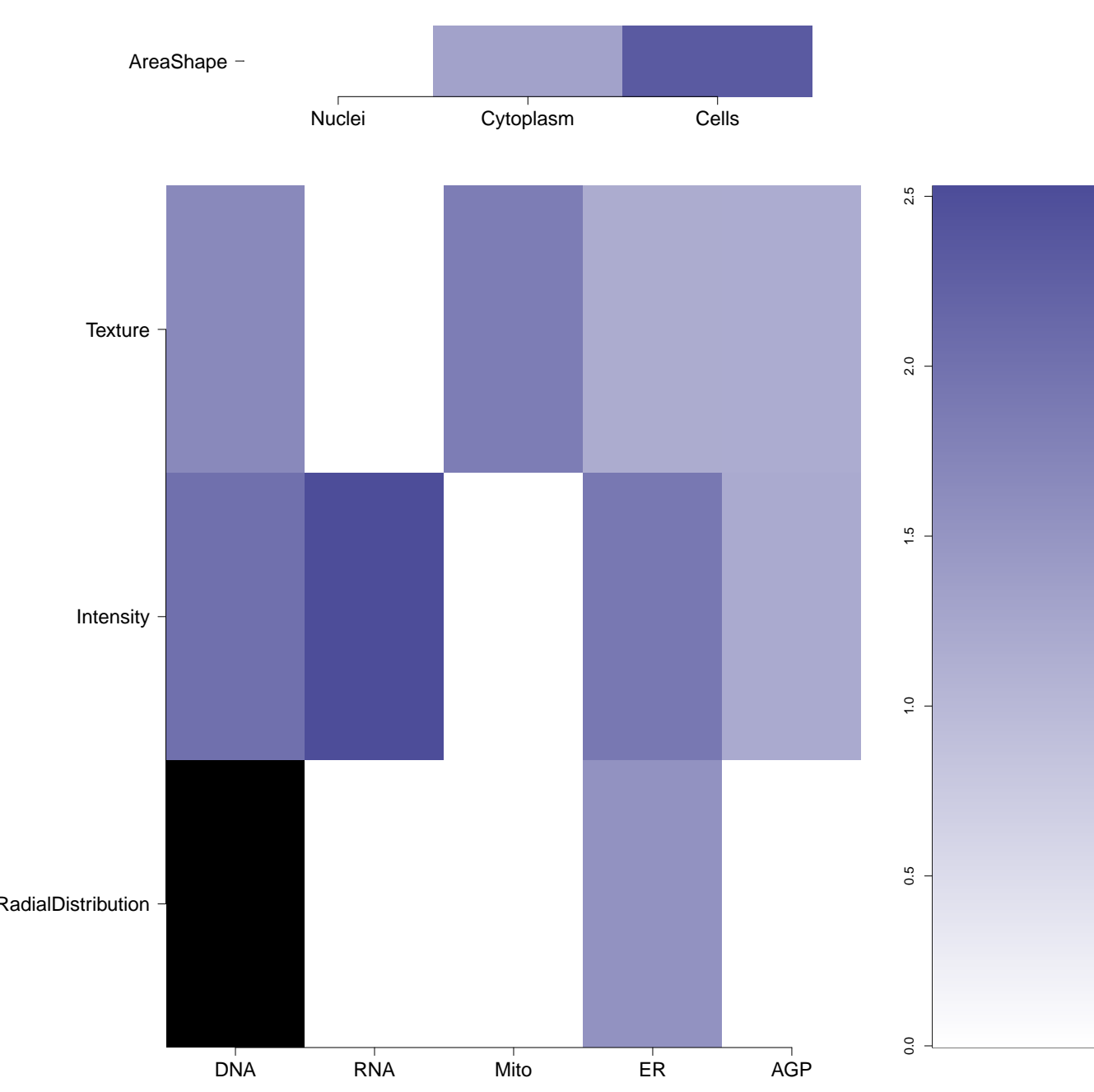
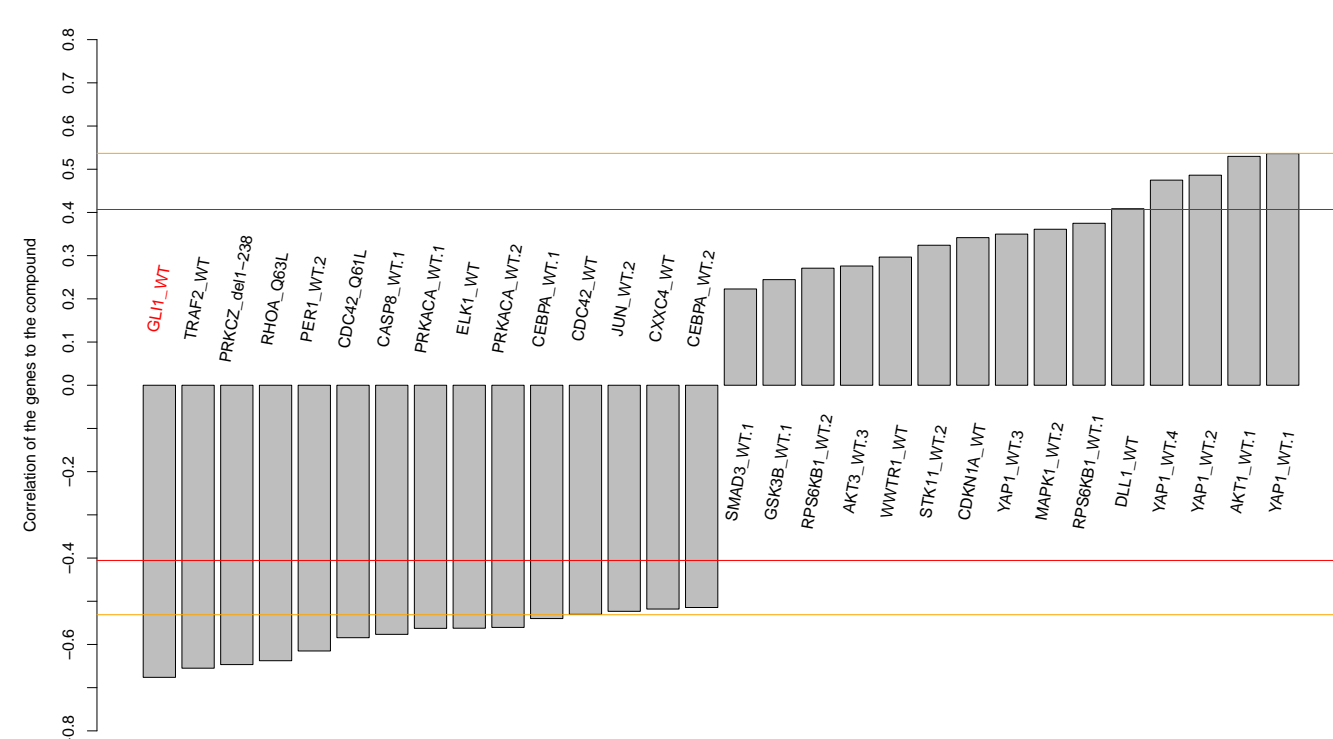
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NA (in 1 replicates)

-0.68

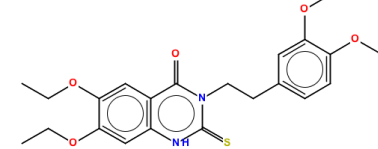
NA



Total number of assays tested in: 779. Active in the following assays:

- Primary cell-based high throughput assay for inhibitors of the Janus kinase 2 mutant JAK2^{V617F} (AD1446)
- High Throughput Imaging Assay for Hepatic Lipid Droplet Formation (AD1656)
- Fluorescence-based primary biochemical high throughput screening assay to identify inhibitors of the Hepatitis C Virus non-structural protein 3 helicase (NS3) (AD1800)
- Single concentration confirmation of HCS identification of small molecules that inhibit hepatic lipid droplet formation (AD146313)

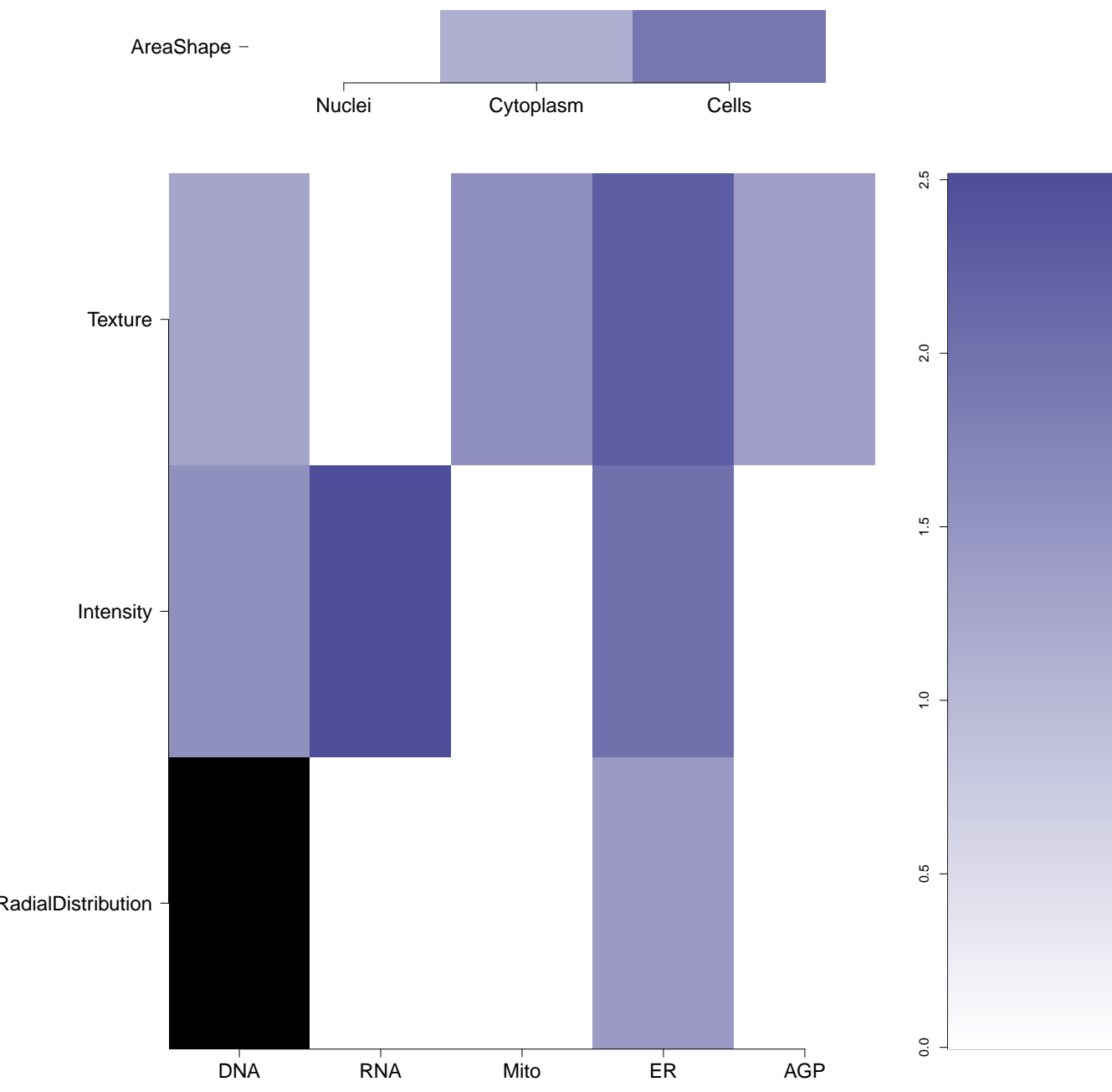
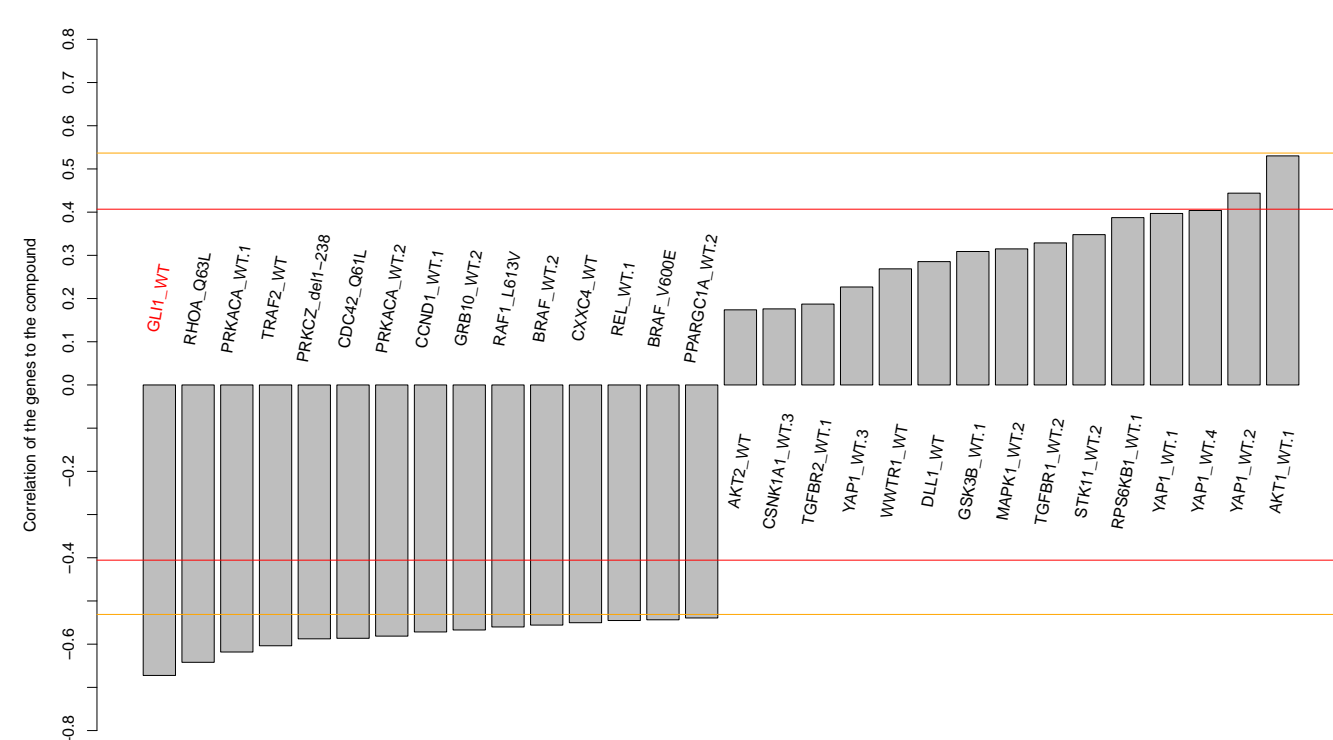
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NA (in 1 replicates)

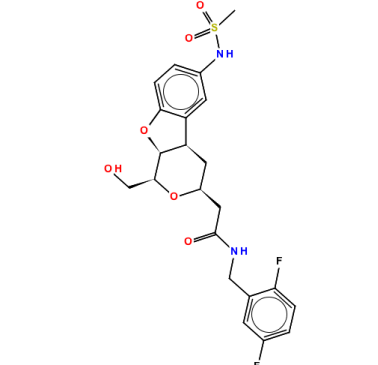
-0.67

NA



Total number of assays tested in: 666. Active in the following assays:

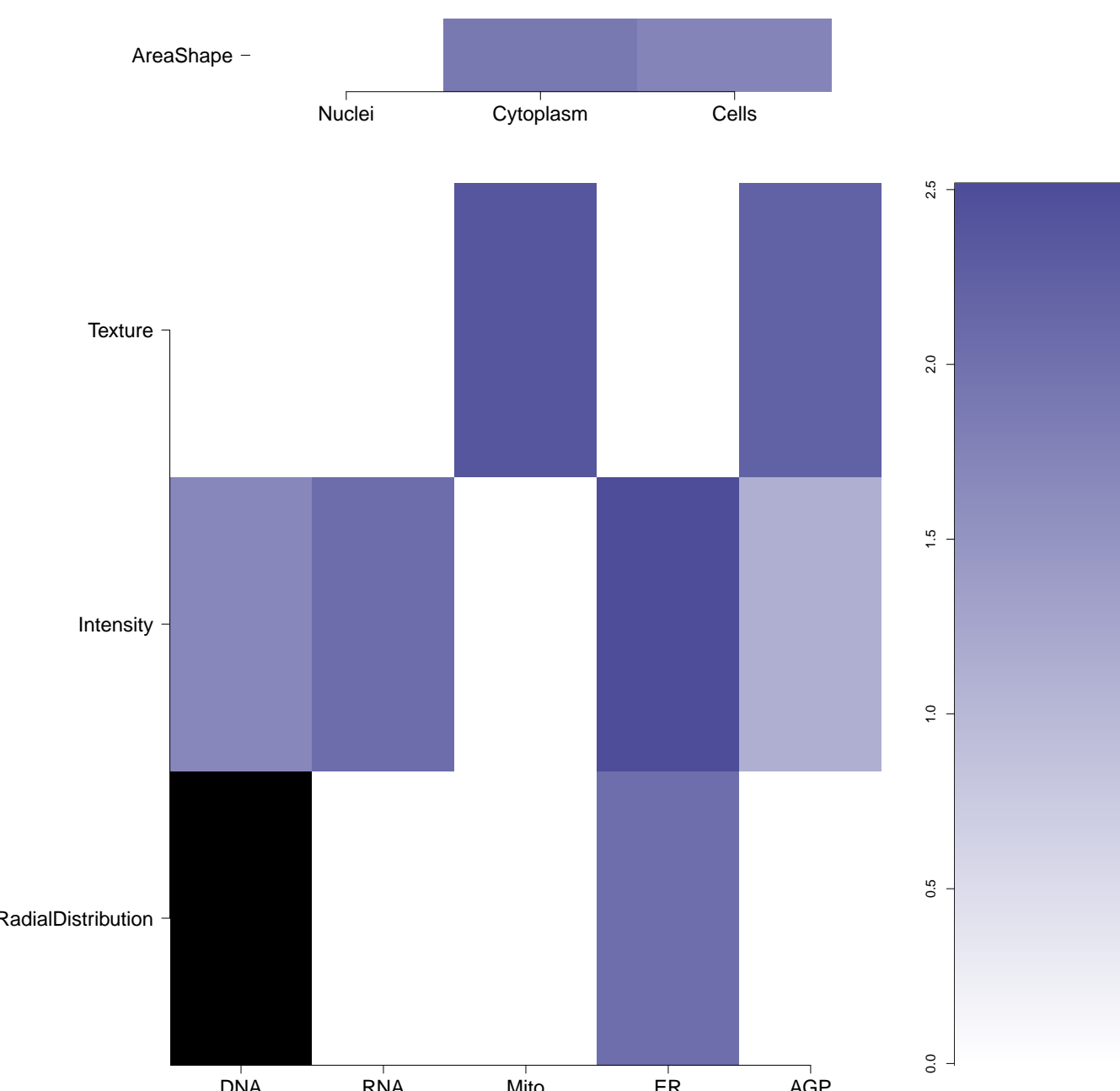
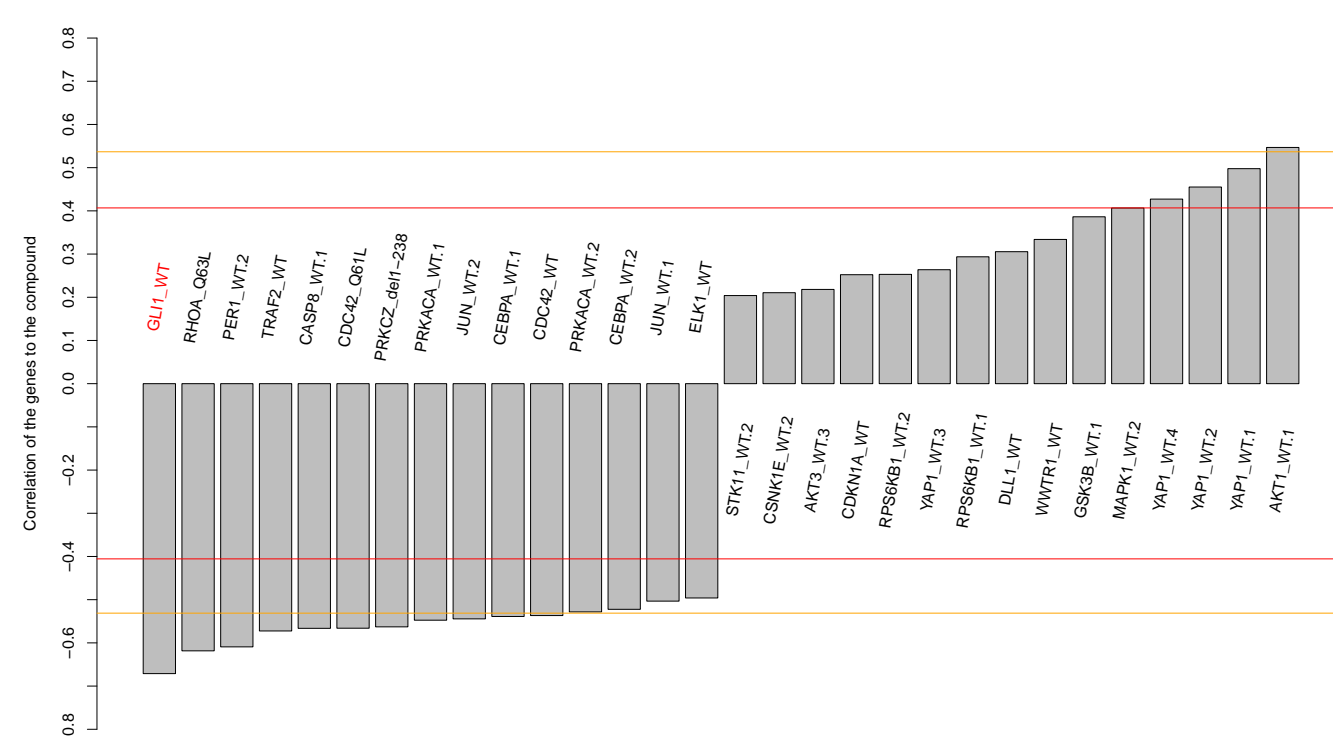
- Human H69AR Lung Tumor Cell Growth Inhibition Assay - 86K Screen (AID 598)
- HTS of Estrogen Receptor- α Coactivator Binding Inhibitors (AID 629)
- Human Endothelial Cell Proliferation Assay in 384-well format (AID 648)
- Human Lung Fibroblast Proliferation Assay (AID 719)
- qHTS Assay for Antagonists of the Neuropeptide S Receptor: cAMP Signal Transduction (AID 1461)
- HTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346)
- HTS Assay for Peg3 Promoter Inhibitors (AID 485346)

BRD-K64537516-001-01-4
PubChem CID : 54646035

NA (in 1 replicates)

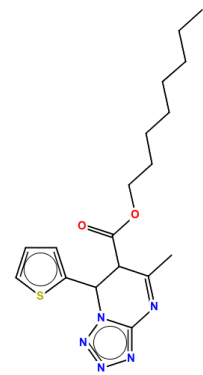
-0.67

0.980



Total number of assays tested in: 40.

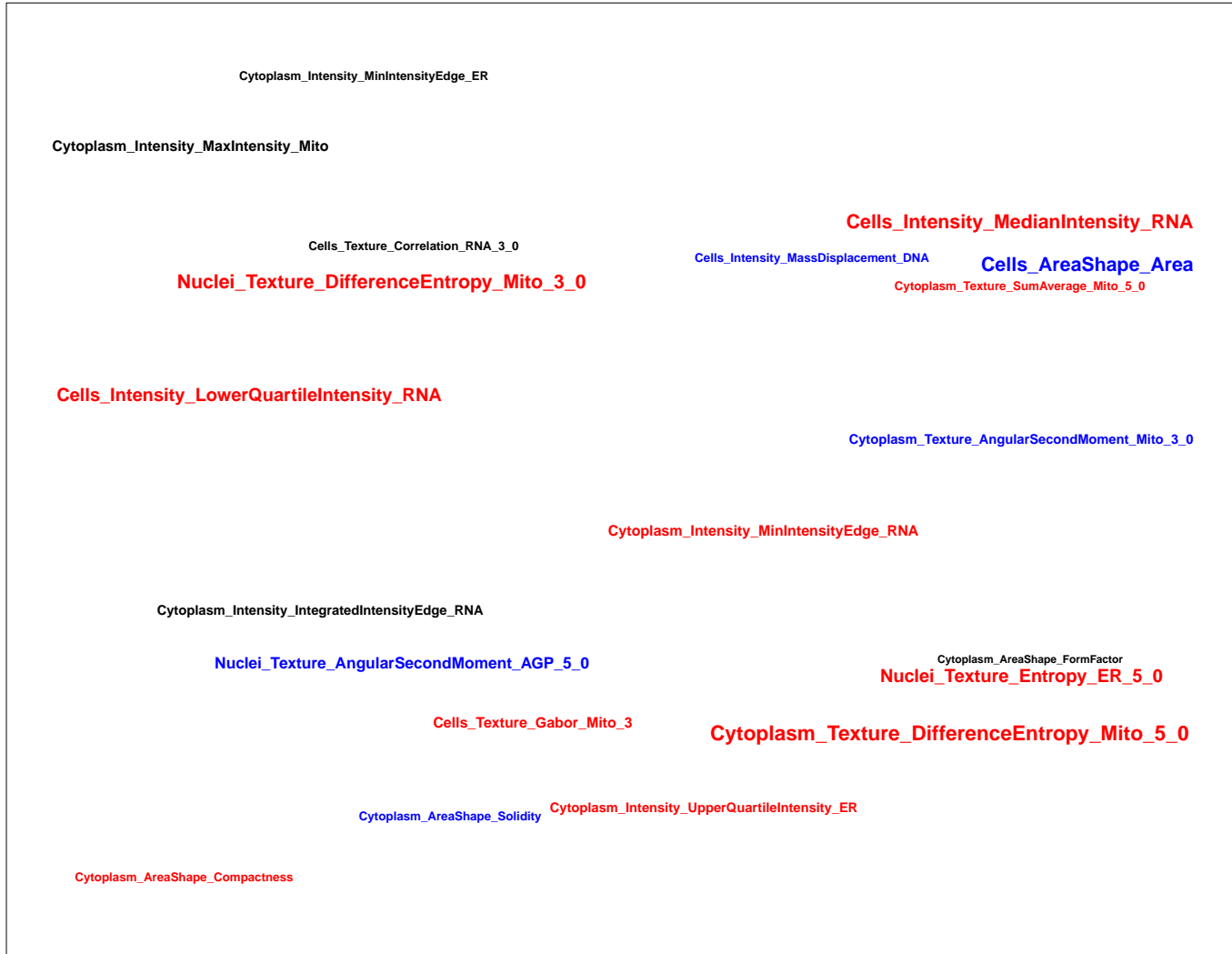
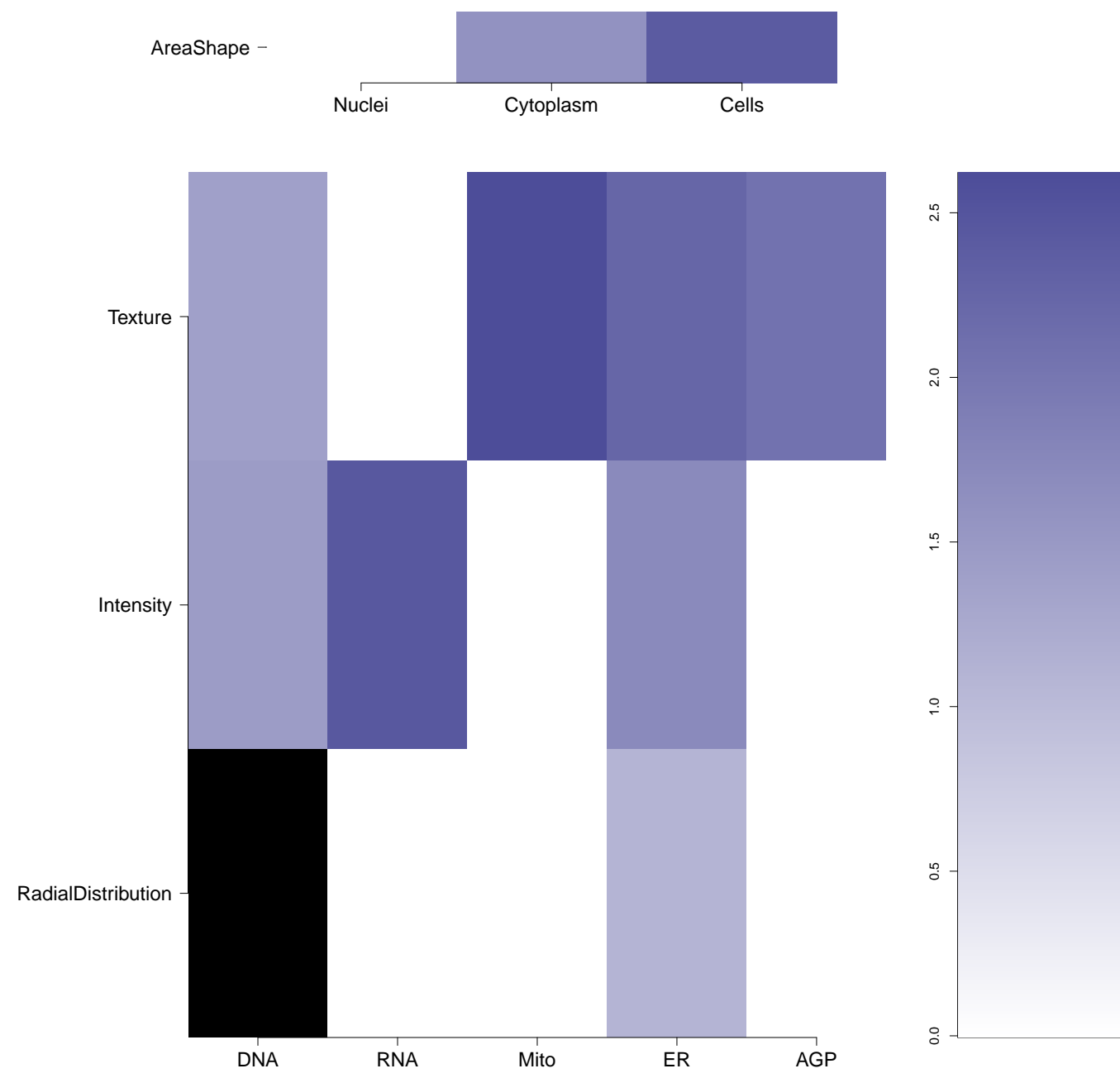
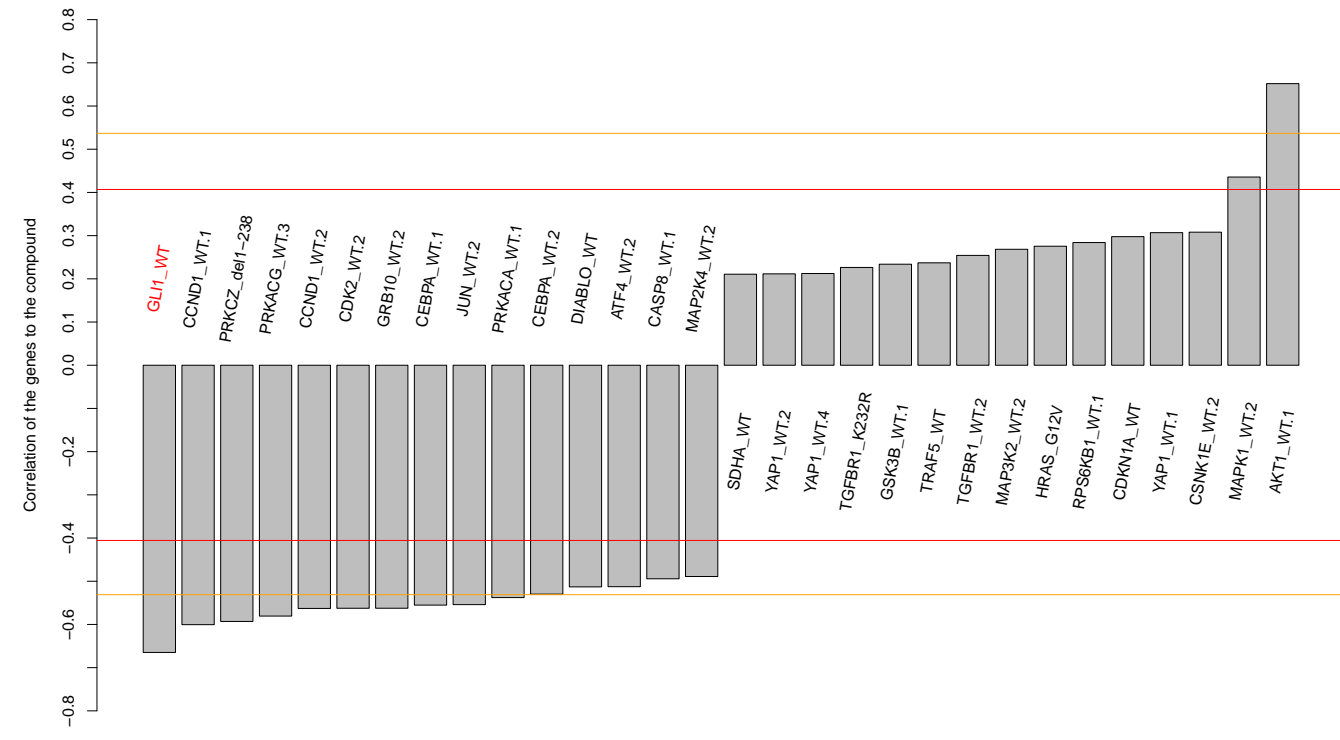
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PubChem CID : 6047409



NA (in 1 replicates)

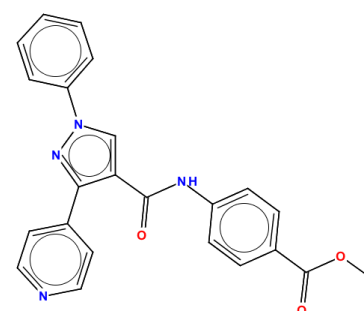
-0.66

NA



- Total number of assays tested in: 696. Active in the following assays:
- Human Endothelial Cell Proliferation Assay in 384-well format (AID 648)
 - Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738)
 - CYP2C9 Assay (AID 777)
 - CYP2C19 Assay (AID 778)
 - Human Endothelial Cell Proliferation Assay - Dose Response (AID 822)
 - Modulators of the EP2 prostaglandin E2 receptor - Primary Screening (AID 940)
 - uHTS for Calpain Inhibitors (AID 1236)
 - MLPCN Streptokinase Expression Inhibition (AID 1662)
 - Luminescence Microorganism-Based Dose Confirmation HTS to Identify Inhibitors of Streptokinase Promotor Activity (AID 1902)
 - Luminescence Microorganism-Based Dose Response HTS to Identify Compounds Cytotoxic to Streptococcus (AID 1915)
 - Luminescence Cell-Based Primary HTS to Identify Inhibitors of Cancer Stem Cells (AID 2717)
 - Luminescence Cell-Based Dose Retest to Confirm Inhibitors of Cancer Stem Cells (AID 449748)
 - Dose Response HTS Screen to Identify Cytotoxic Compounds of HMLE.sh.eGFP (AID 463074)
 - Primary cell-based high-throughput screening assay for identification of compounds that potentiate/activate regulator of G-protein signaling 4 (RGS4) (AID 463111)
 - In vivo-based yeast HTS to detect compounds rescuing yeast growth/survival of Plasmodium Falciparum HSP40-induced toxicity Measured in Whole Organism System Using Plate Reader - 2120-01 Inhibitor.SinglePoint.HTS.Activity (AID 504582)
 - uHTS identification of small molecule inhibitors of the thioesterase domain of fatty acid synthase via a fluorescence intensity assay (AID 602261)
 - Validation assay for identification of compounds that activate the regulator of G-protein signaling 4 (RGS4) (AID 602282)
 - Counter screen for identification of compounds that activate the regulator of G-protein signaling 4 (RGS4): Non-induced cells with the primary screen assay (AID 602283)
 - qHTS Assay for Inhibitors of the HIV-1 protein Vpr (AID 651644)
 - qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)
 - qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
 - QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM10. (AID 720582)
 - QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM17. (AID 720648)
 - Counterscreen for exosite inhibitors of ADAM17: Fluorescence resonance energy transfer (FRET)-based biochemical high throughput screening assay to identify inhibitors of ADAM10 (AID 743256)
 - Luminescent Glue Reporter Gene Assay Primary HTS to Identify Small Molecule Activator of Glucose Dependent Insulin Secretion Measured in Cell-Based System Using Plate Reader - 7055-01 Activator.SinglePoint.HTS.Activity (AID 743287)

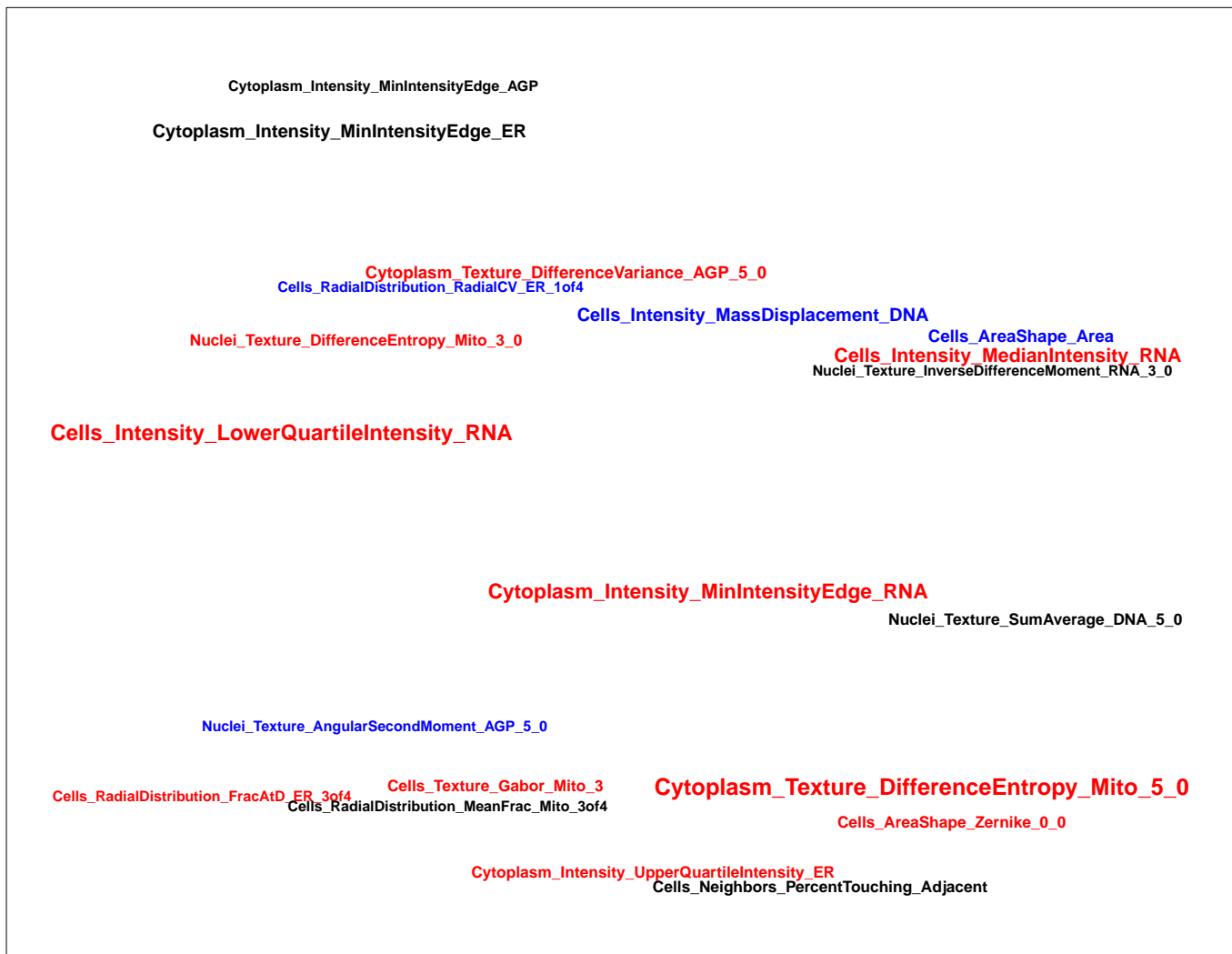
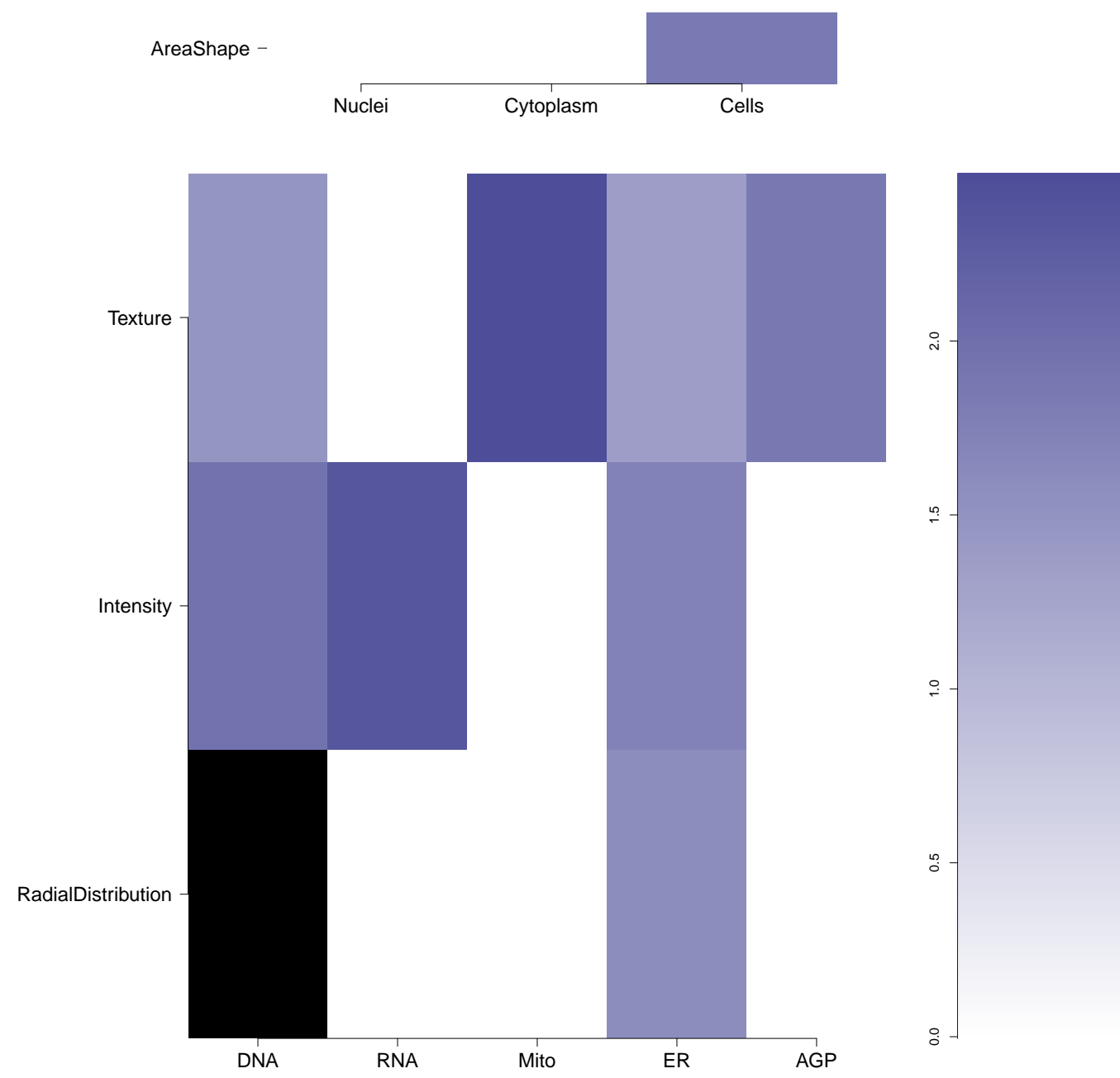
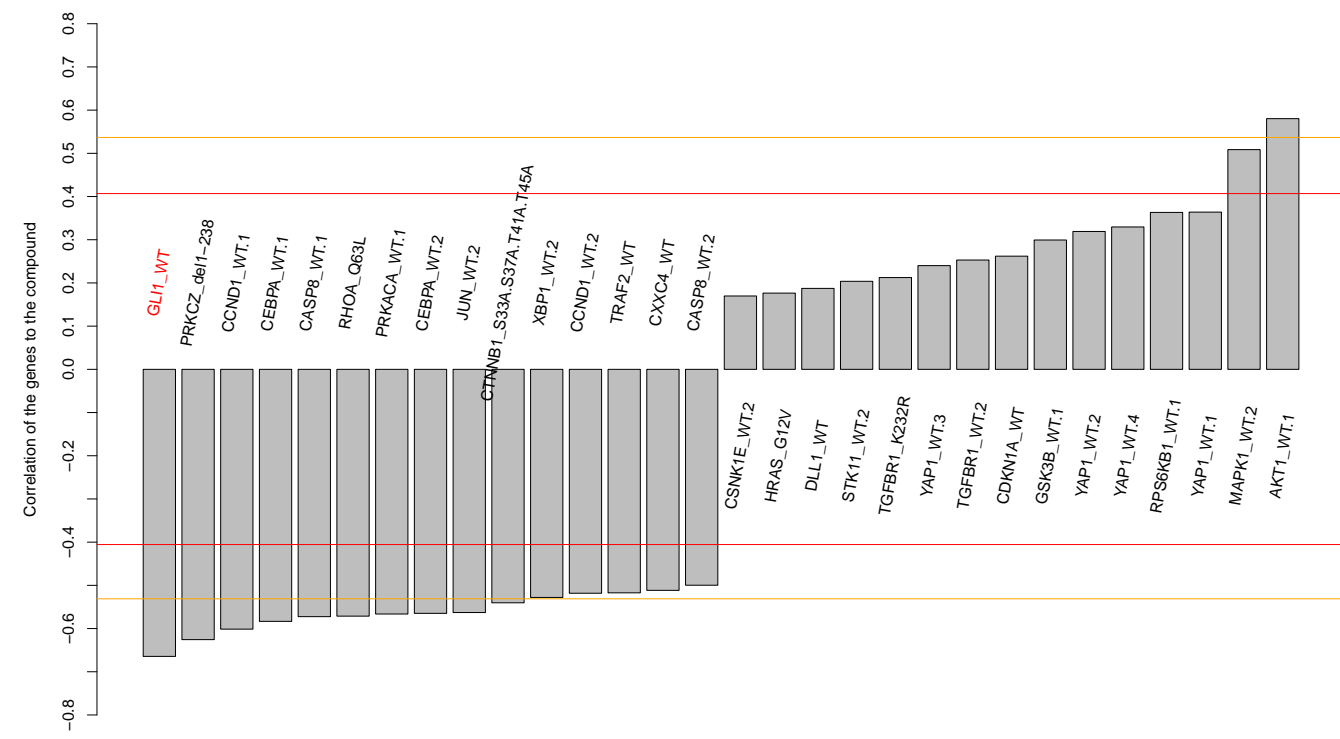
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NA (in 1 replicates)

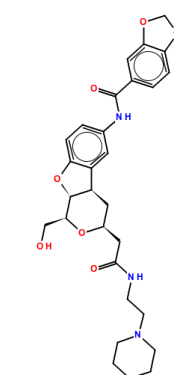
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NA



- Total number of assays tested in: 681. Active in the following assays:
- Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738)
 - Modulators of Post-Golgi Transport (AID 739)
 - 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)
 - HTS Assay for Allosteric Antagonists of the Human D2 Dopamine Receptor: Primary Screen for Antagonists (AID 485344)
 - Anti-Malarial Hsp90 Inhibitors Measured in Microorganism System Using Plate Reader - 2121-01 Inhibitor.Dose.CherryPick.Activity (AID 504621)
 - Primary qHTS for delayed death inhibitors of the malarial parasite plasmod, 48 hour incubation (AID 504832)
 - Anti-Malarial Hsp90 Inhibitors Measured in Microorganism System Using Plate Reader - 2121-02 Inhibitor.Dose.CherryPick.Activity (AID 540268)
 - HsHsp90 Counterscreen Measured in Microorganism System Using Plate Reader - 2121-02 Inhibitor.Dose.CherryPick.Activity (AID 540270)
 - qHTS for inhibitors of binding or entry into cells for Marburg Virus (AID 540276)
 - uHTS identification of inhibitors of Rpn11 in a Fluorescent Polarization assay (AID 588493)
 - uHTS identification of small molecule inhibitors of Striatal-Enriched Phosphatase via a fluorescence intensity assay (AID 588621)
 - qHTS for Inhibitors of TGF- β Cytotox Counterscreen (AID 588656)
 - Fluorescence polarization-based biochemical primary high throughput screening assay to identify inhibitors of ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 (ASAP1) (AID 624377)
 - Fluorescence polarization-based biochemical high throughput confirmation assay for inhibitors of ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 (ASAP1) (AID 624431)
 - Fluorescence polarization-based biochemical primary high throughput screening assay to identify inhibitors of ADP-ribosylation factor GTPase activating protein 1 (ARFGAP1) (AID 651572)
 - Fluorescence polarization-based biochemical high throughput confirmation assay for inhibitors of ADP-ribosylation factor GTPase activating protein 1 (ARFGAP1) (AID 651608)
 - qHTS of D3 Dopamine Receptor Antagonist: qHTS (AID 652054)

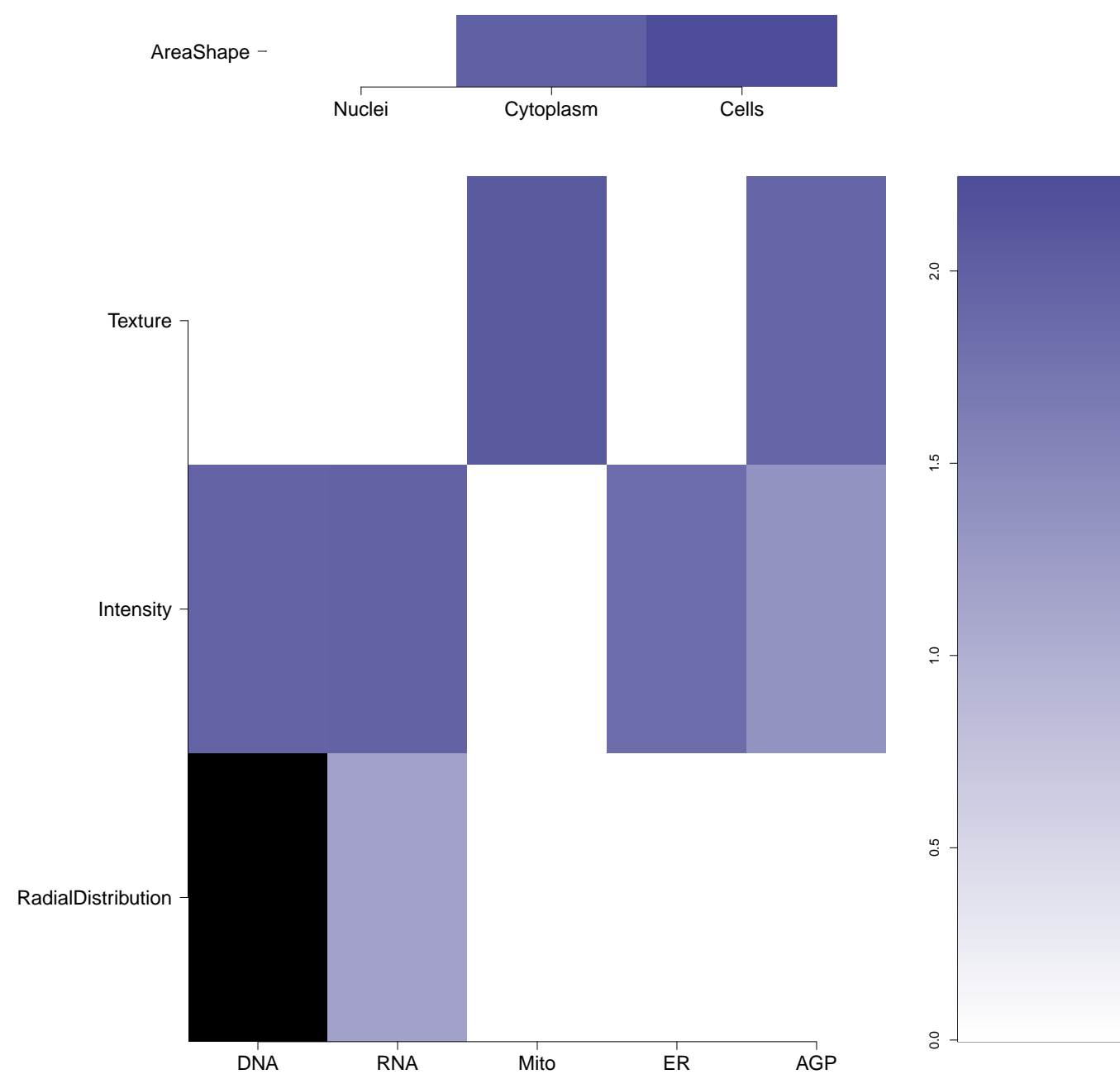
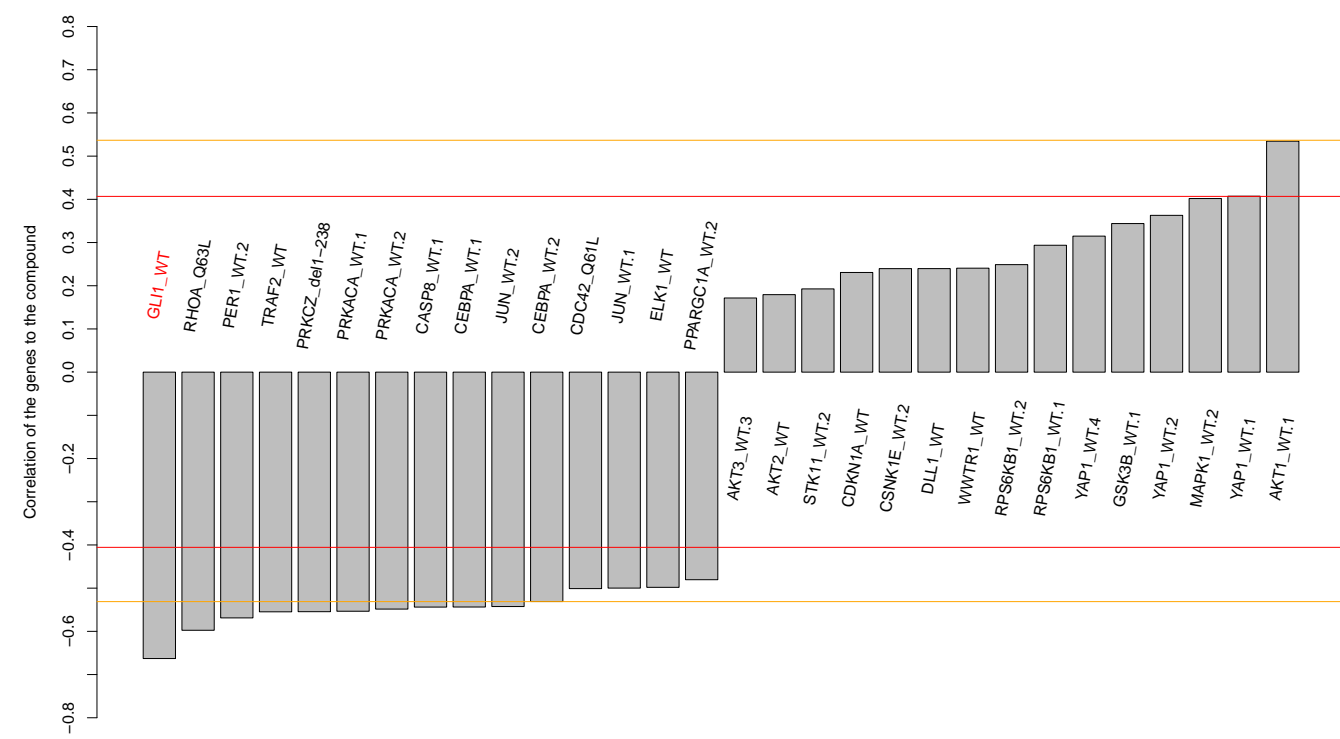
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0.80 (in 2 replicates)

-0.66

0.777



Total number of assays tested in: 40.