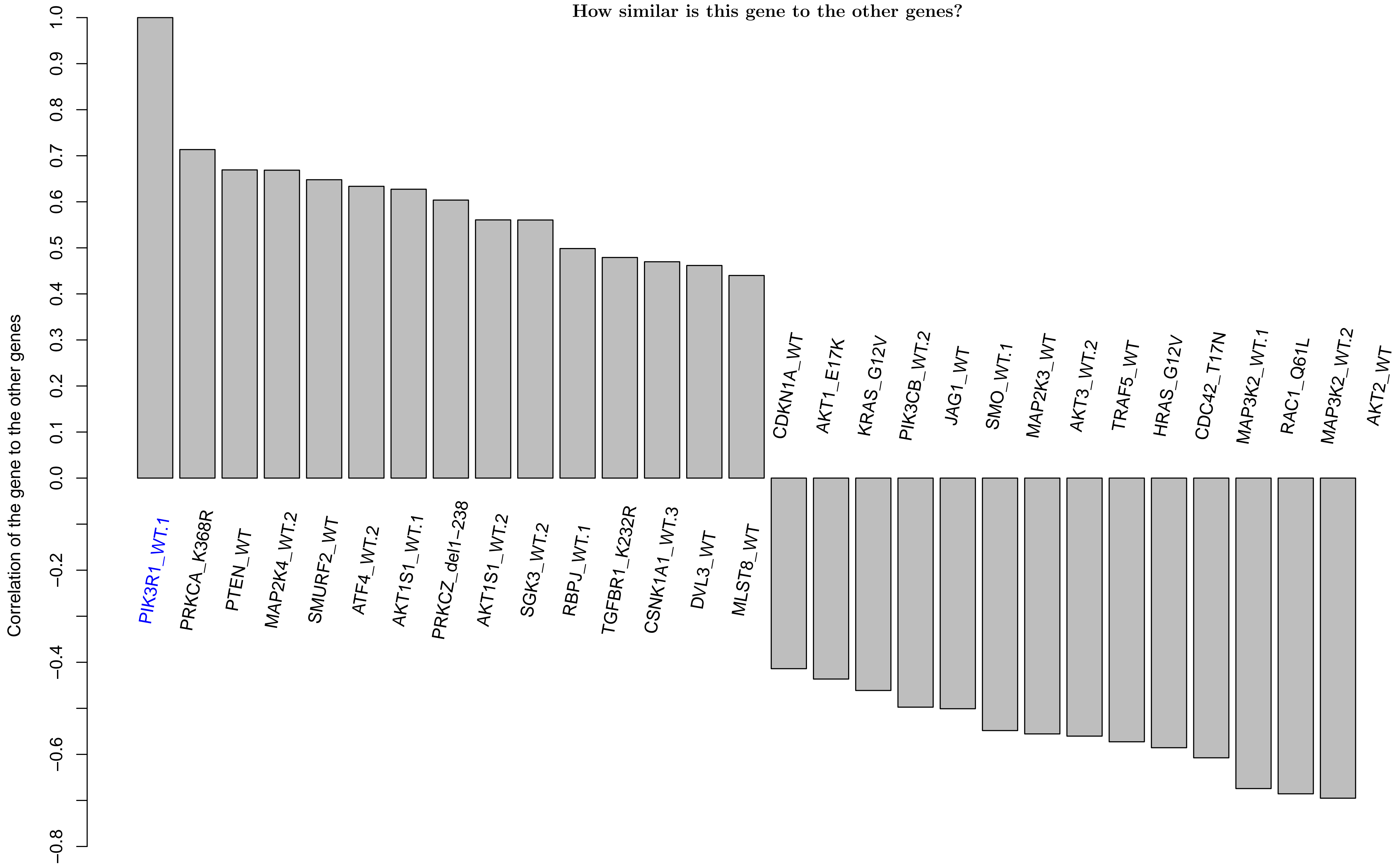
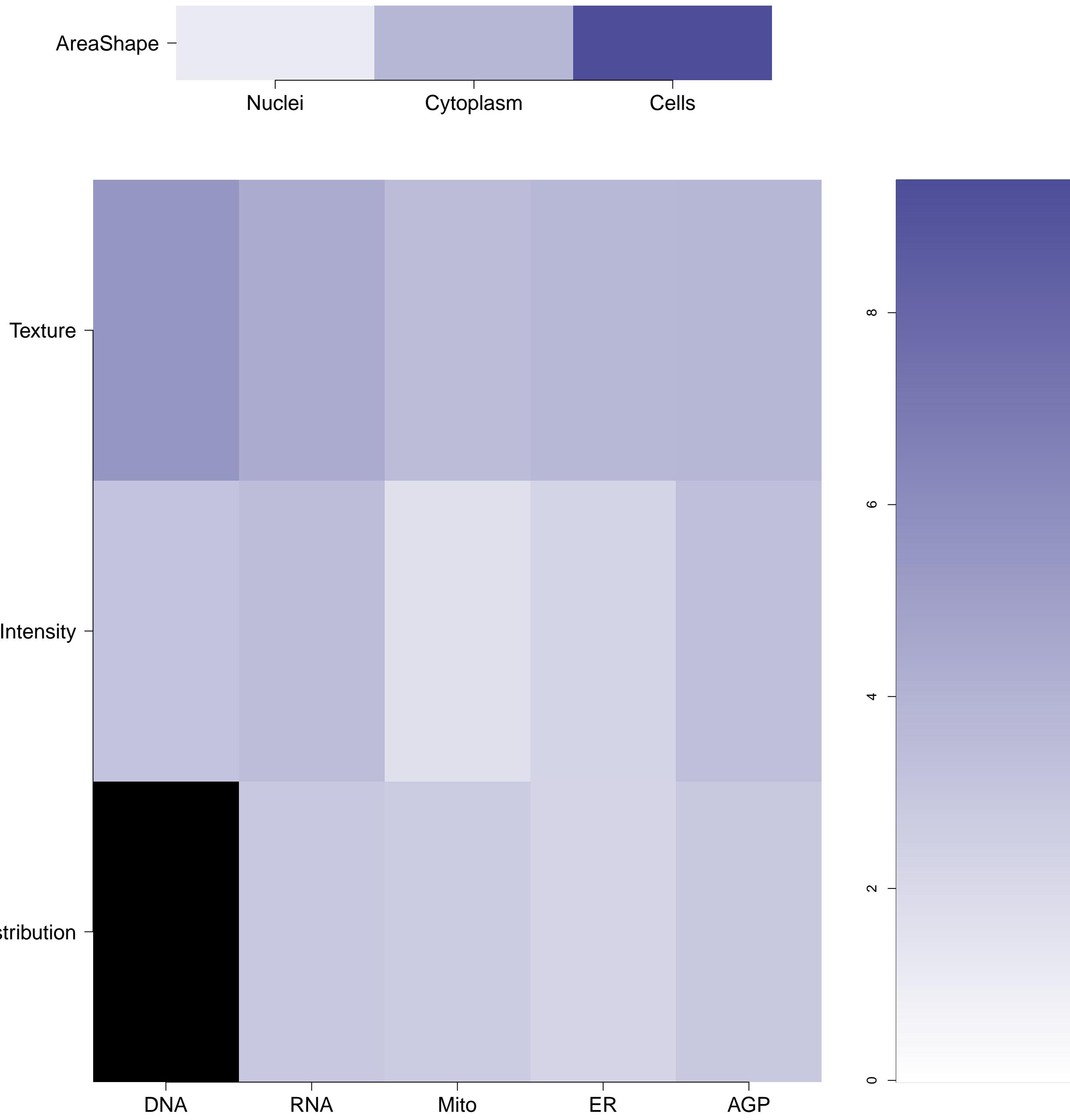


PIK3R1.WT.1 - in Canonical PI3K/AKT

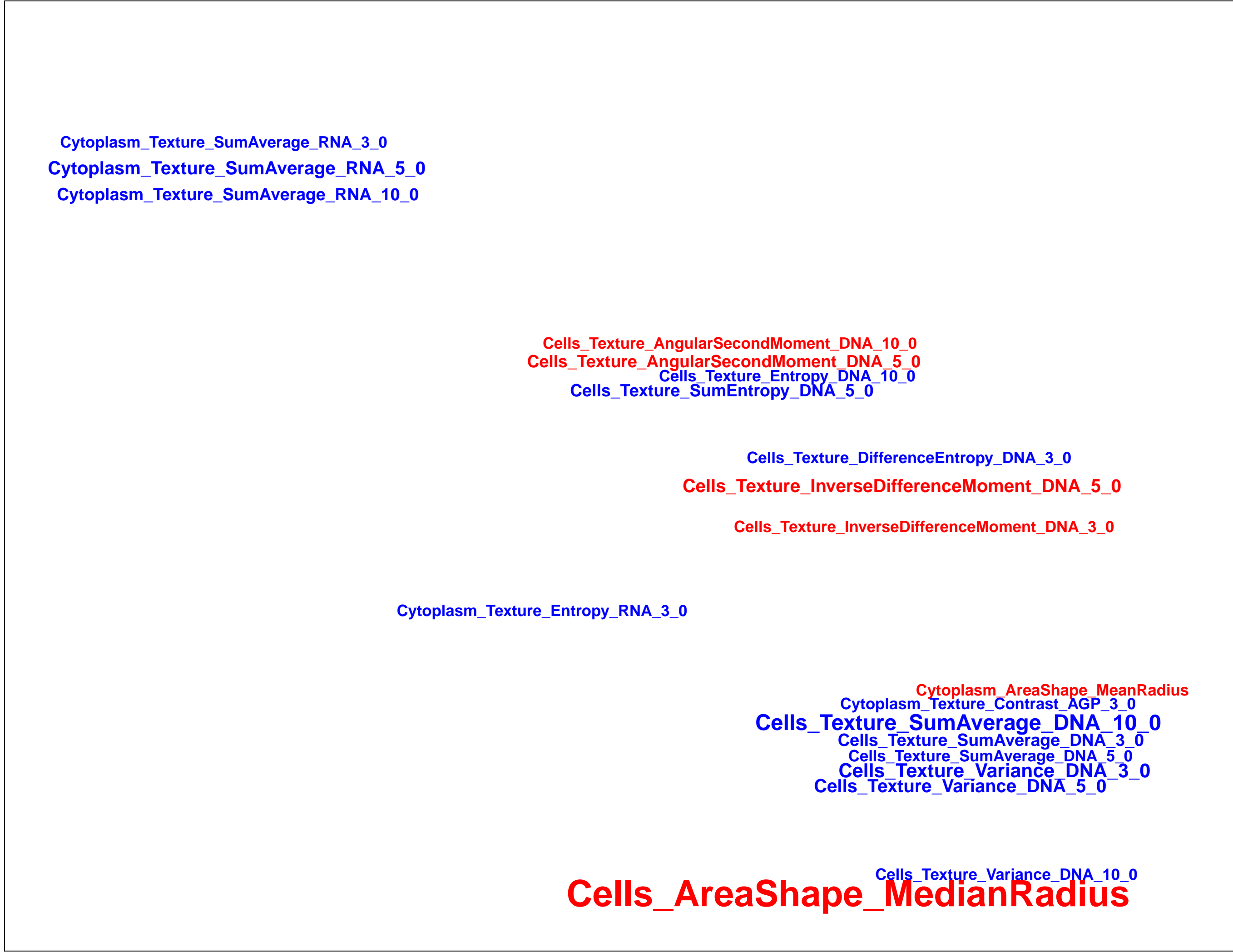
How similar is this gene to the other genes?



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

PIK3R1.WT.1 (41744)

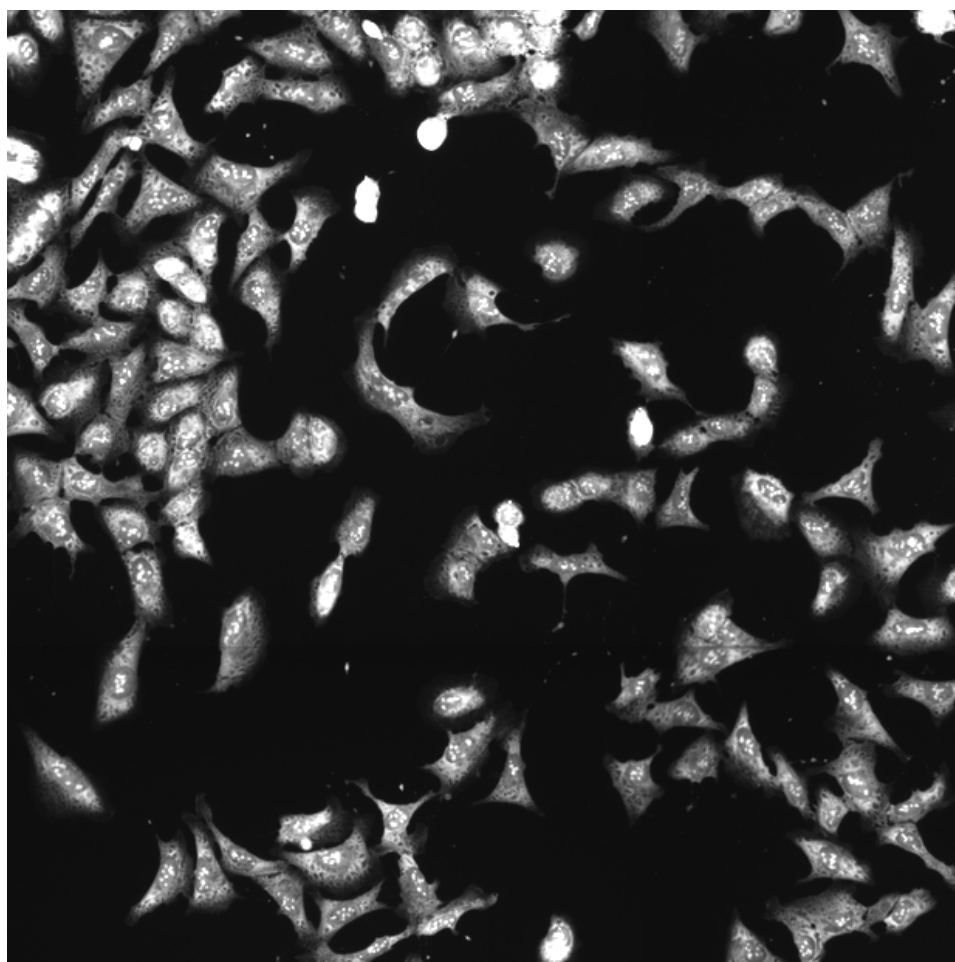
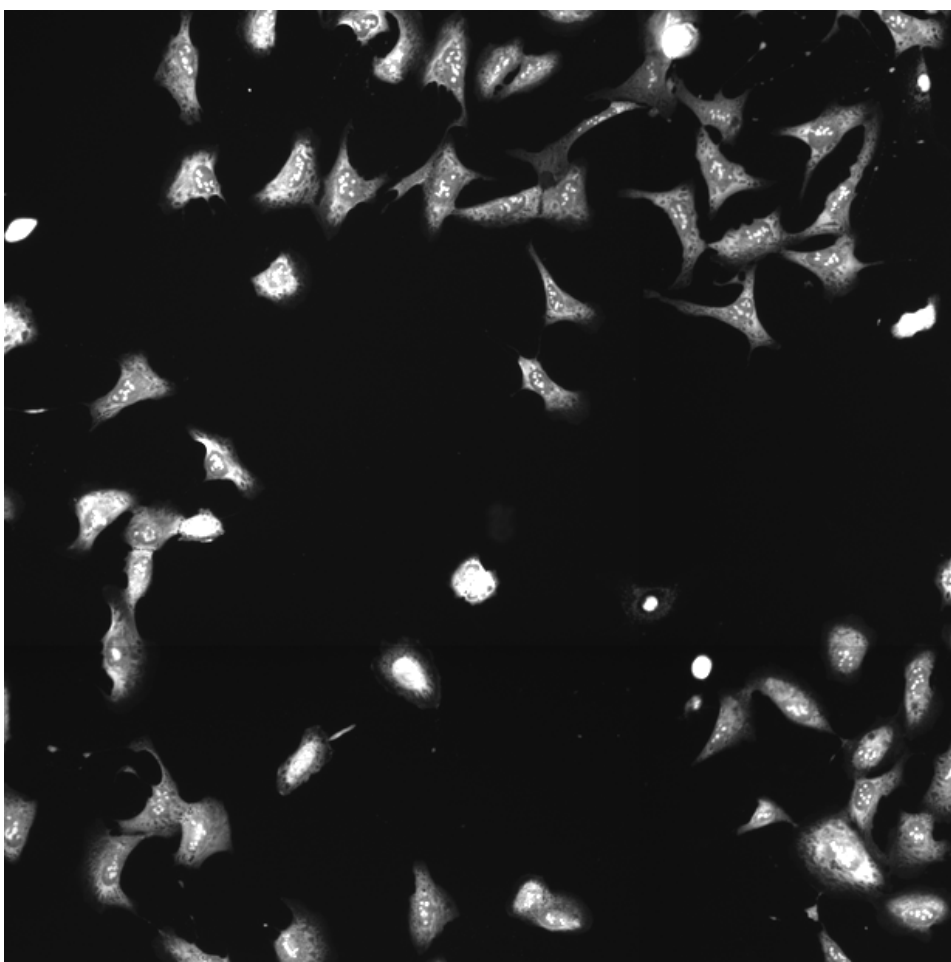
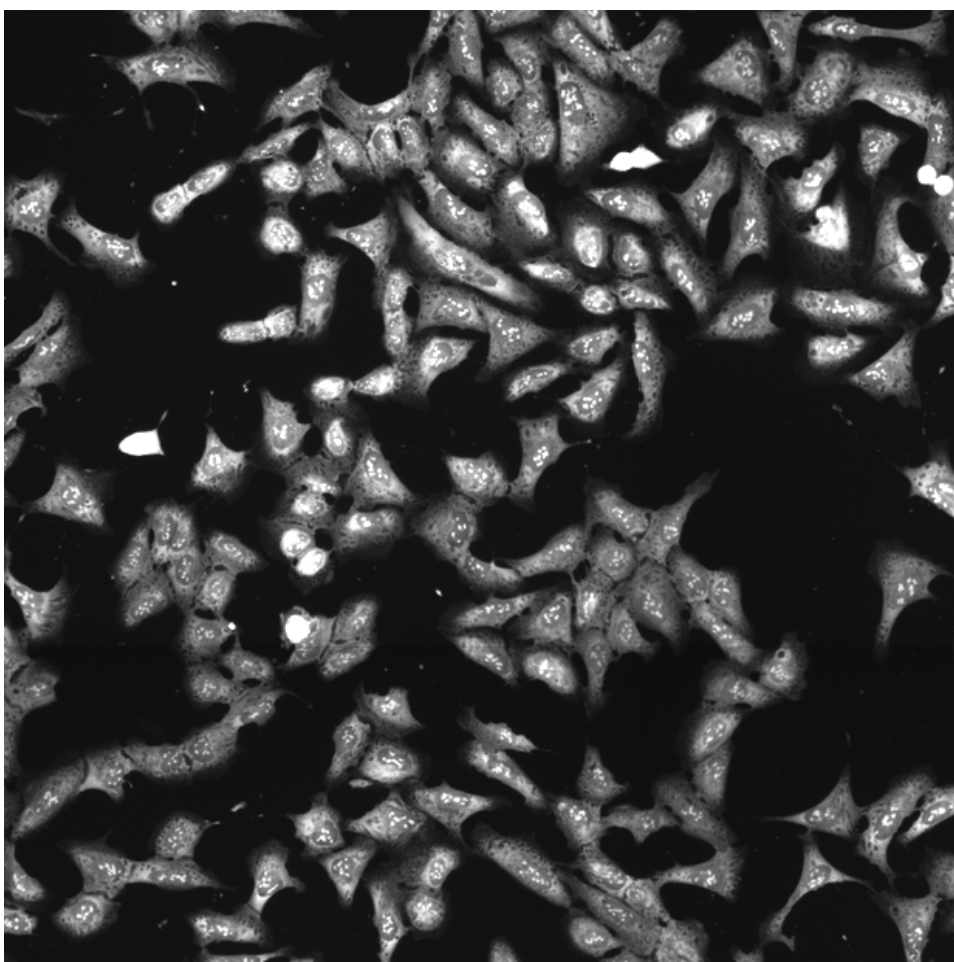
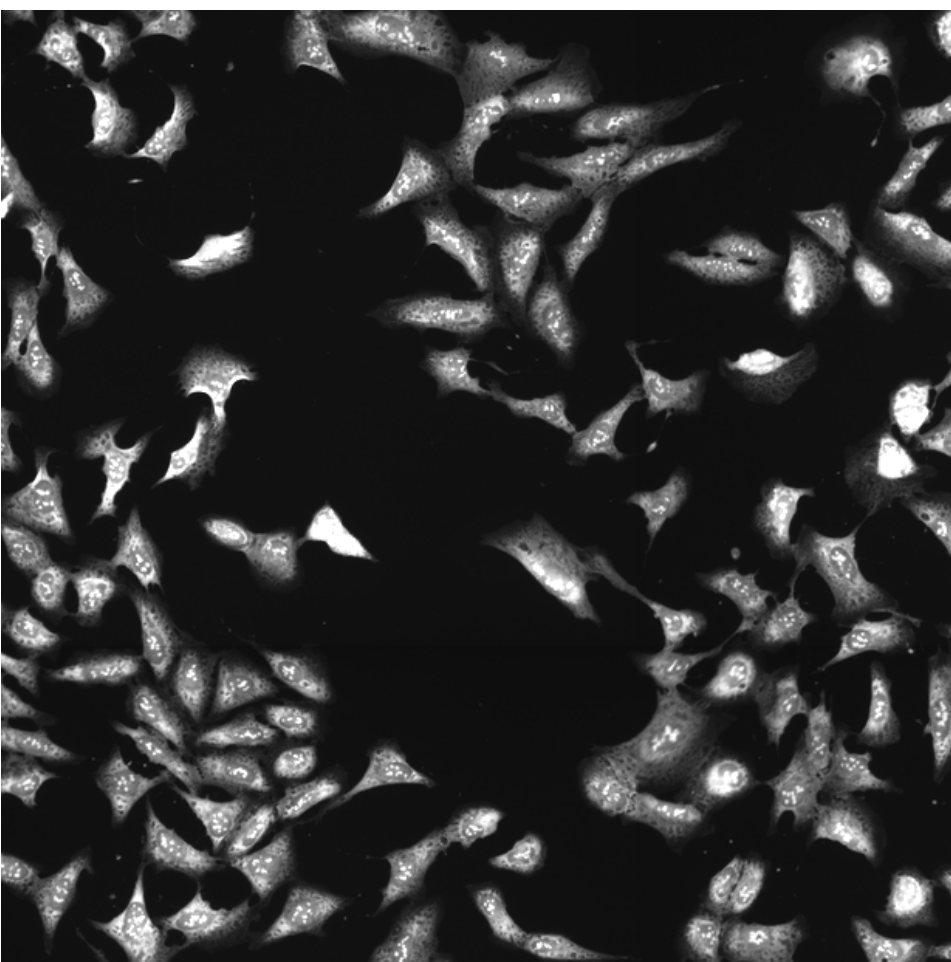
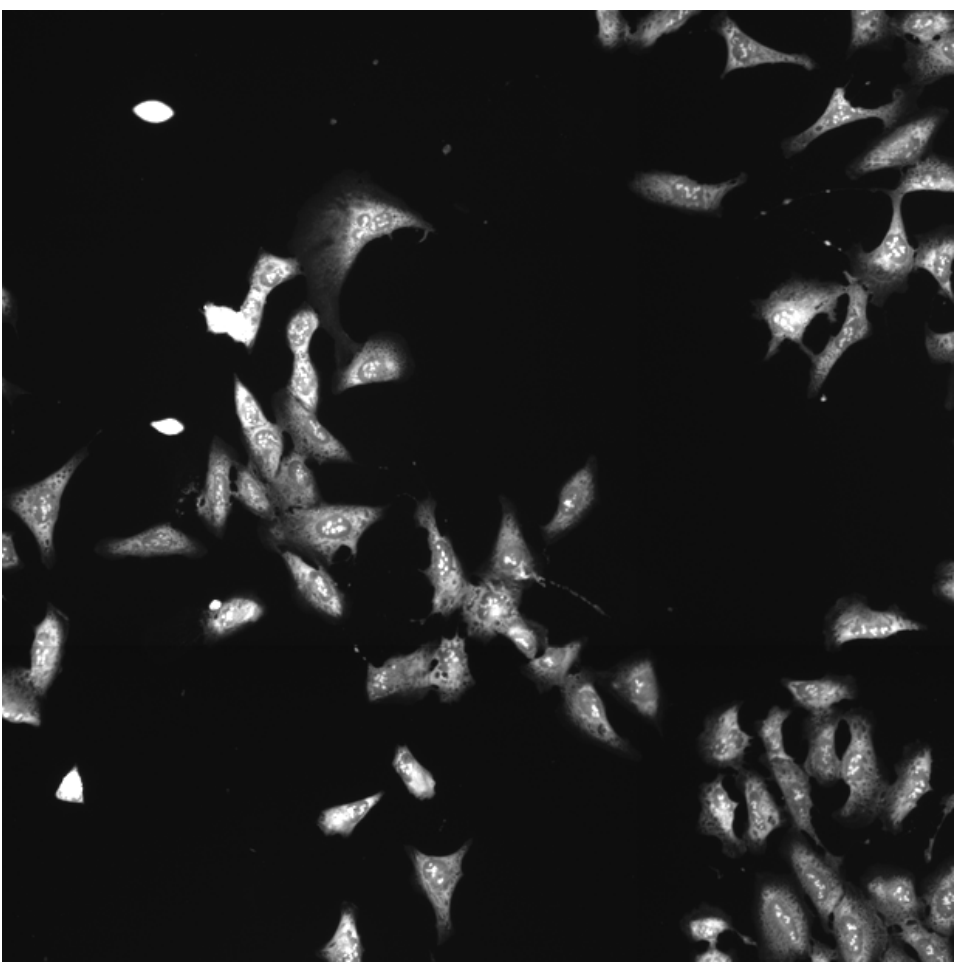
PIK3R1.WT.1 (41755)

PIK3R1.WT.1 (41756)

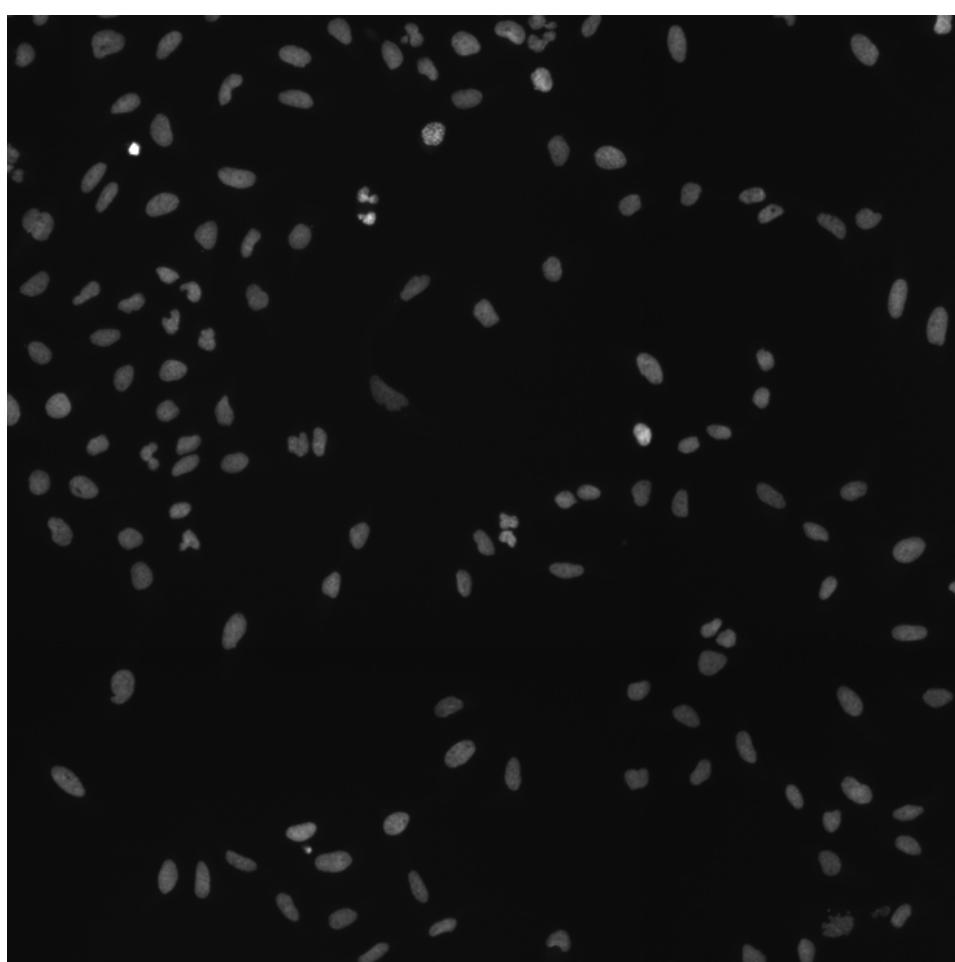
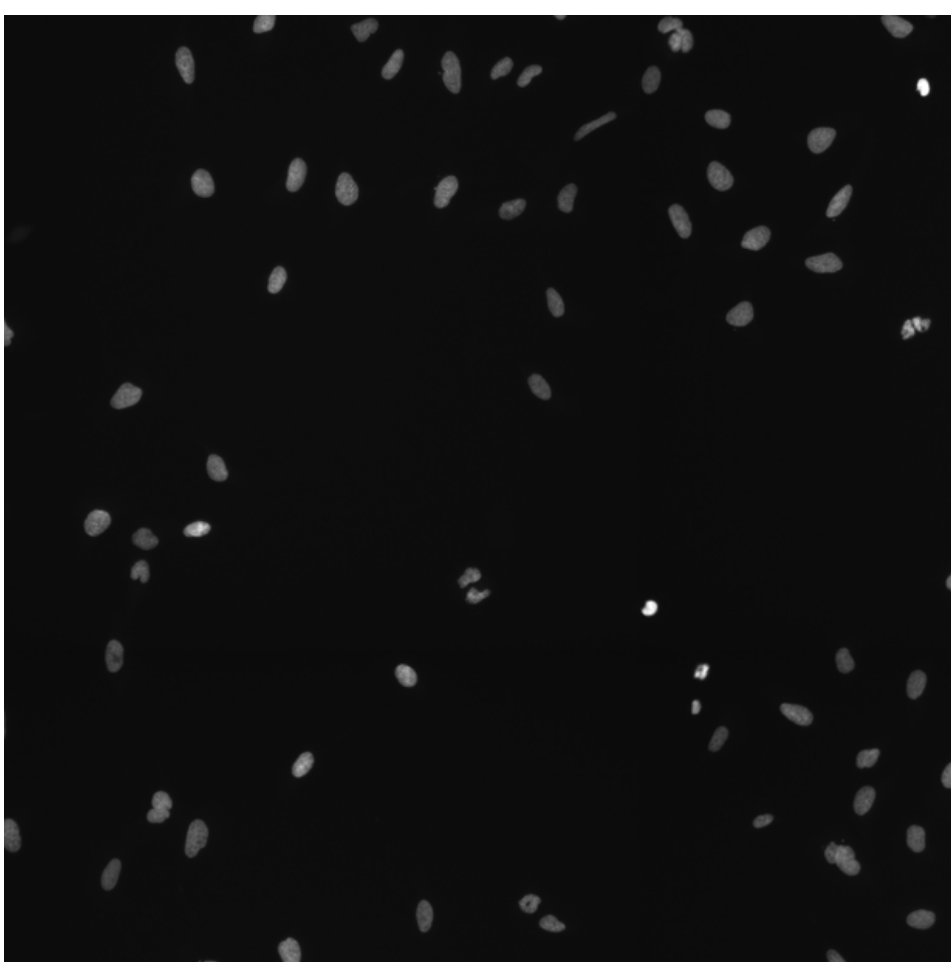
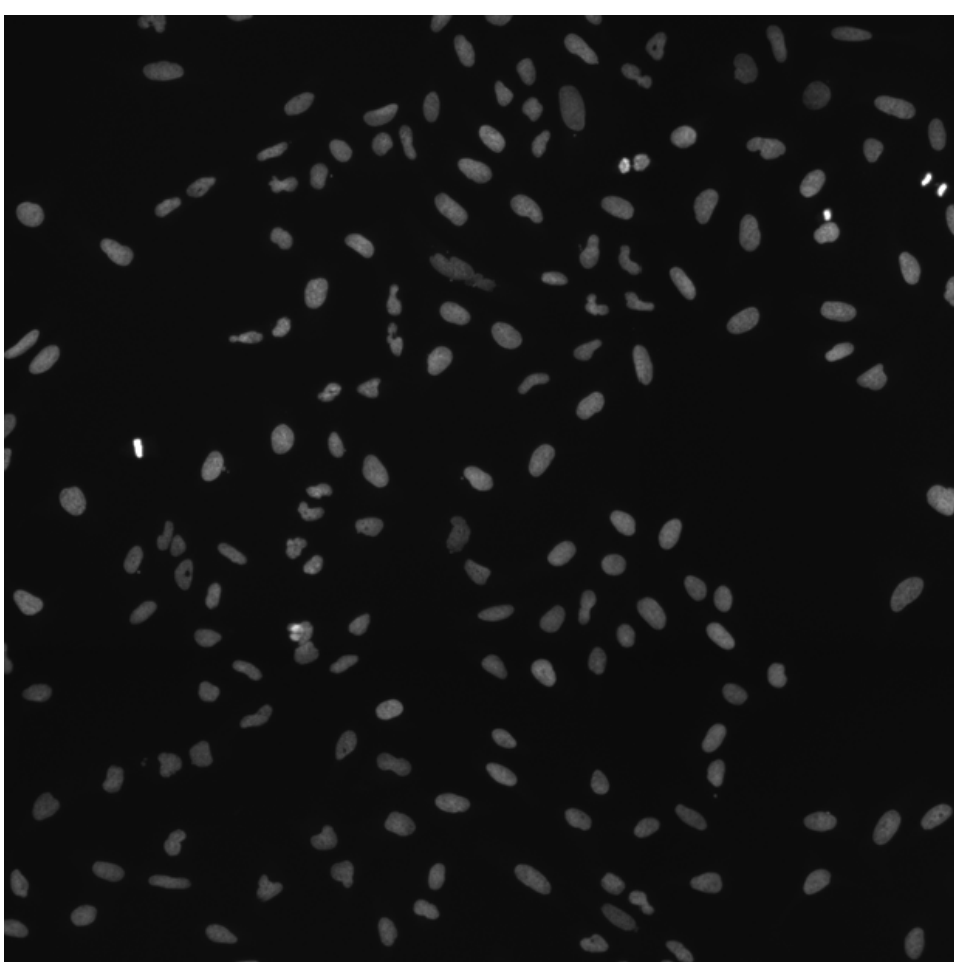
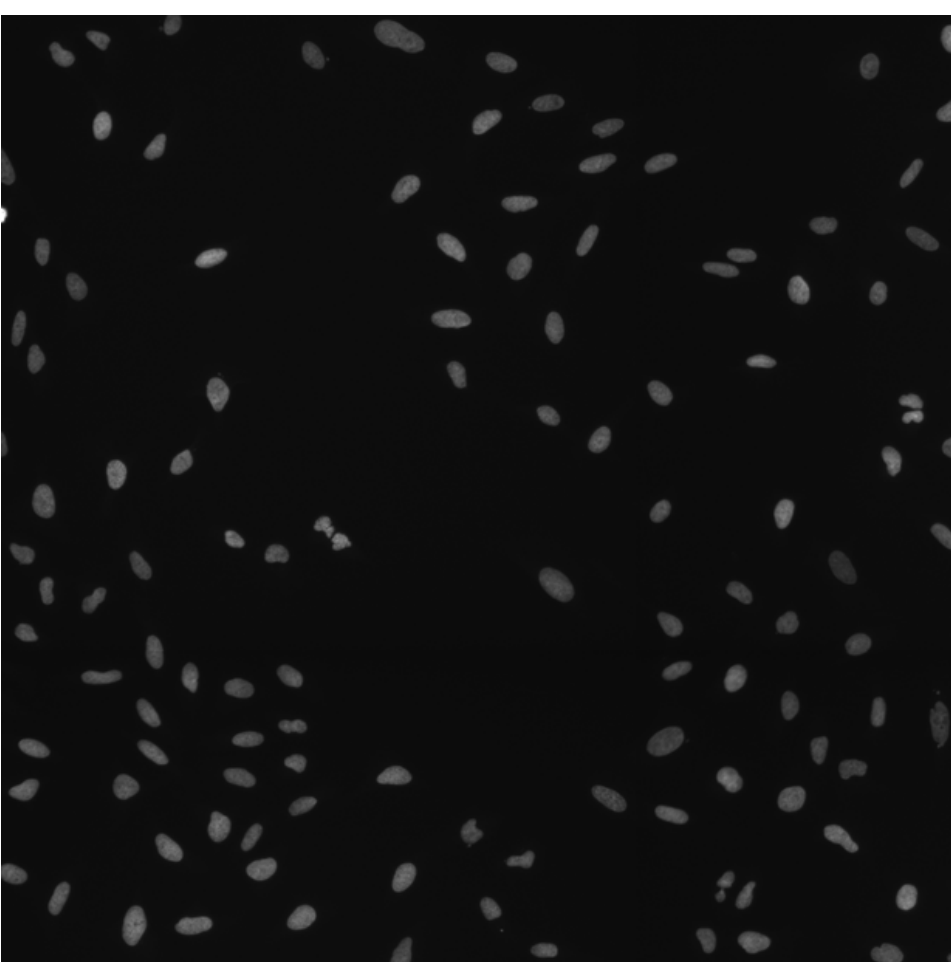
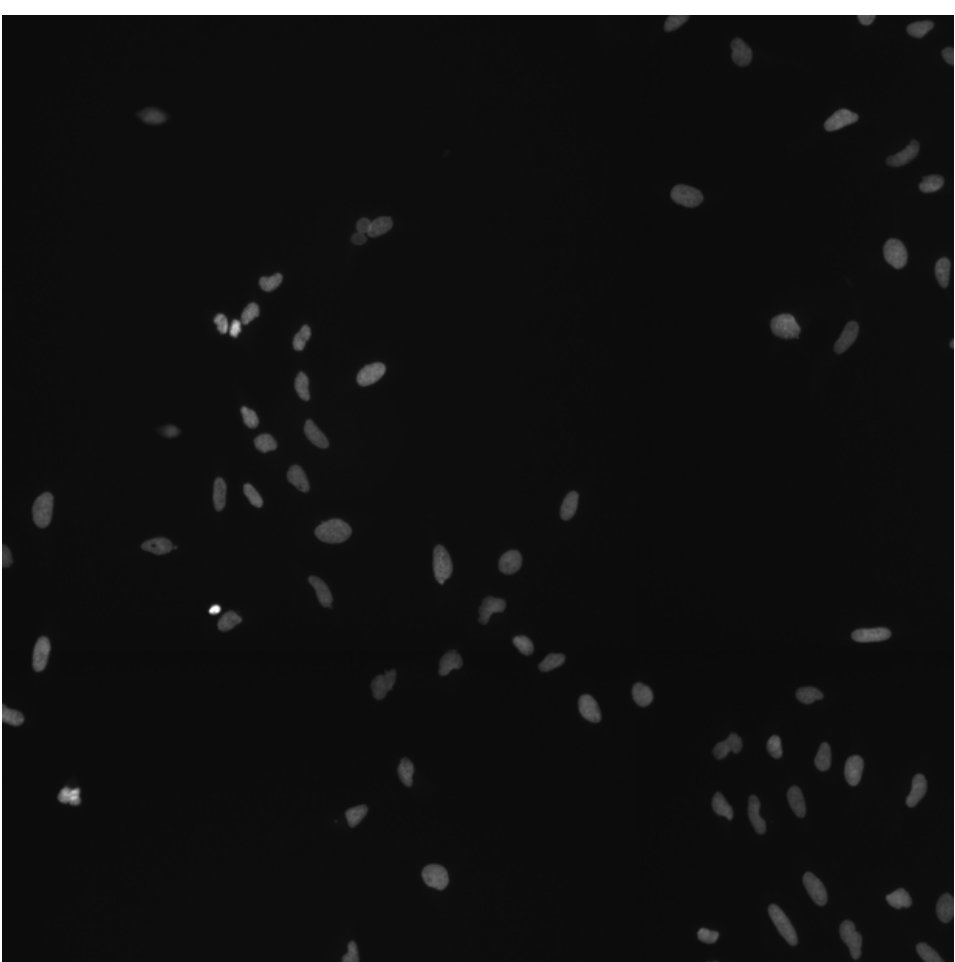
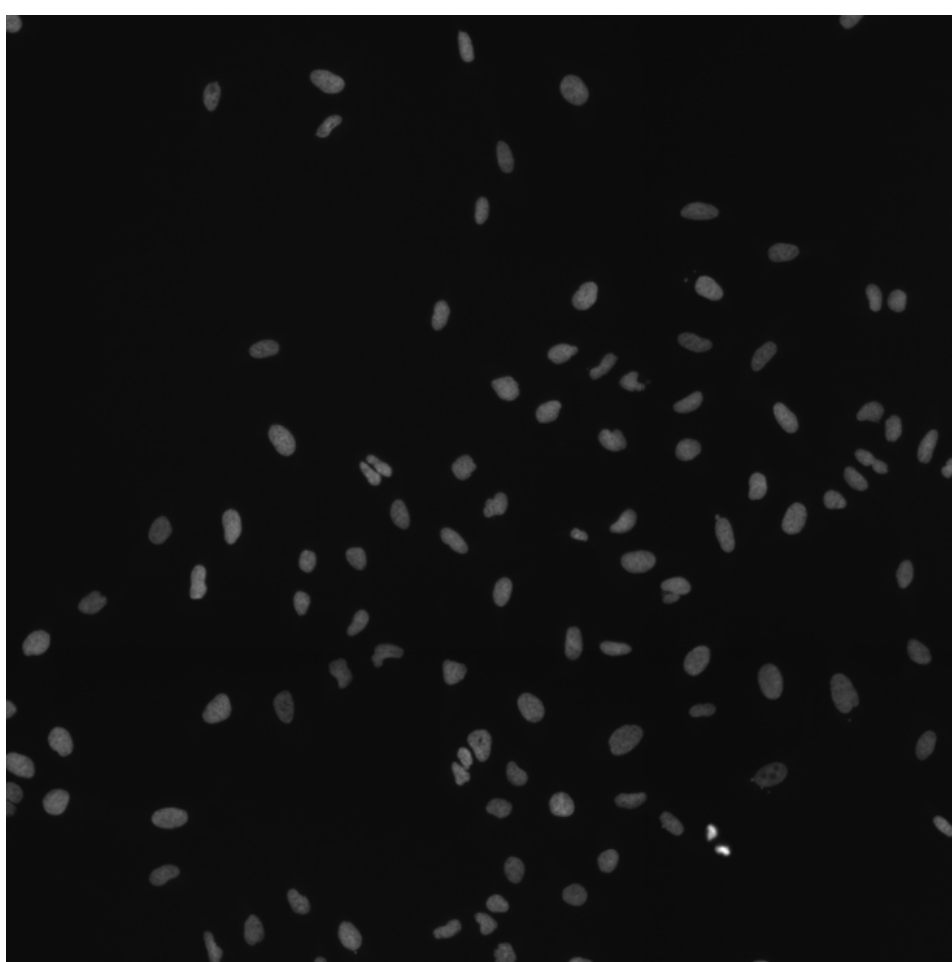
PIK3R1.WT.1 (41757)

PIK3R1.WT.1 (41754)

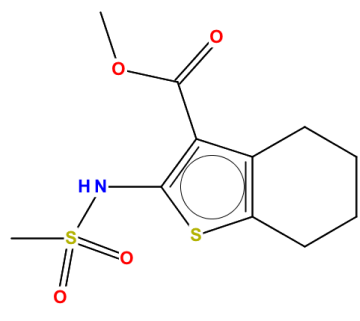
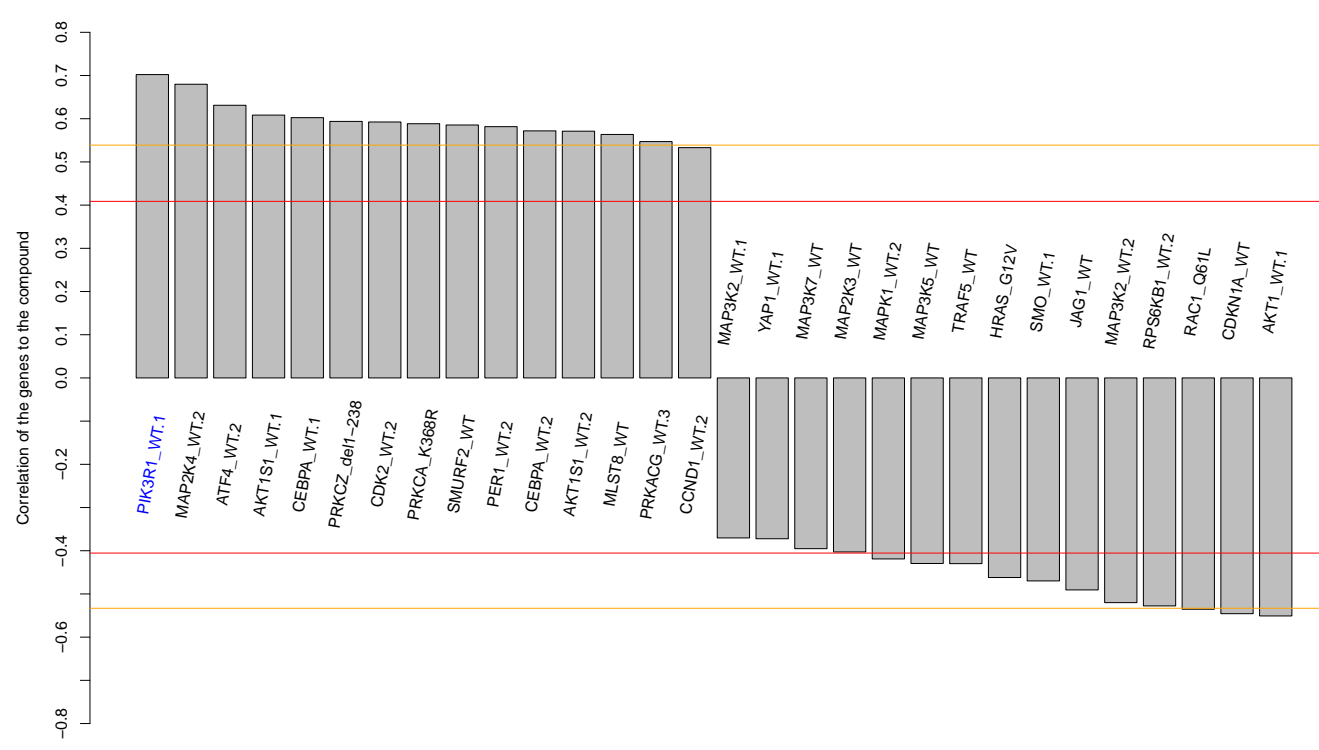
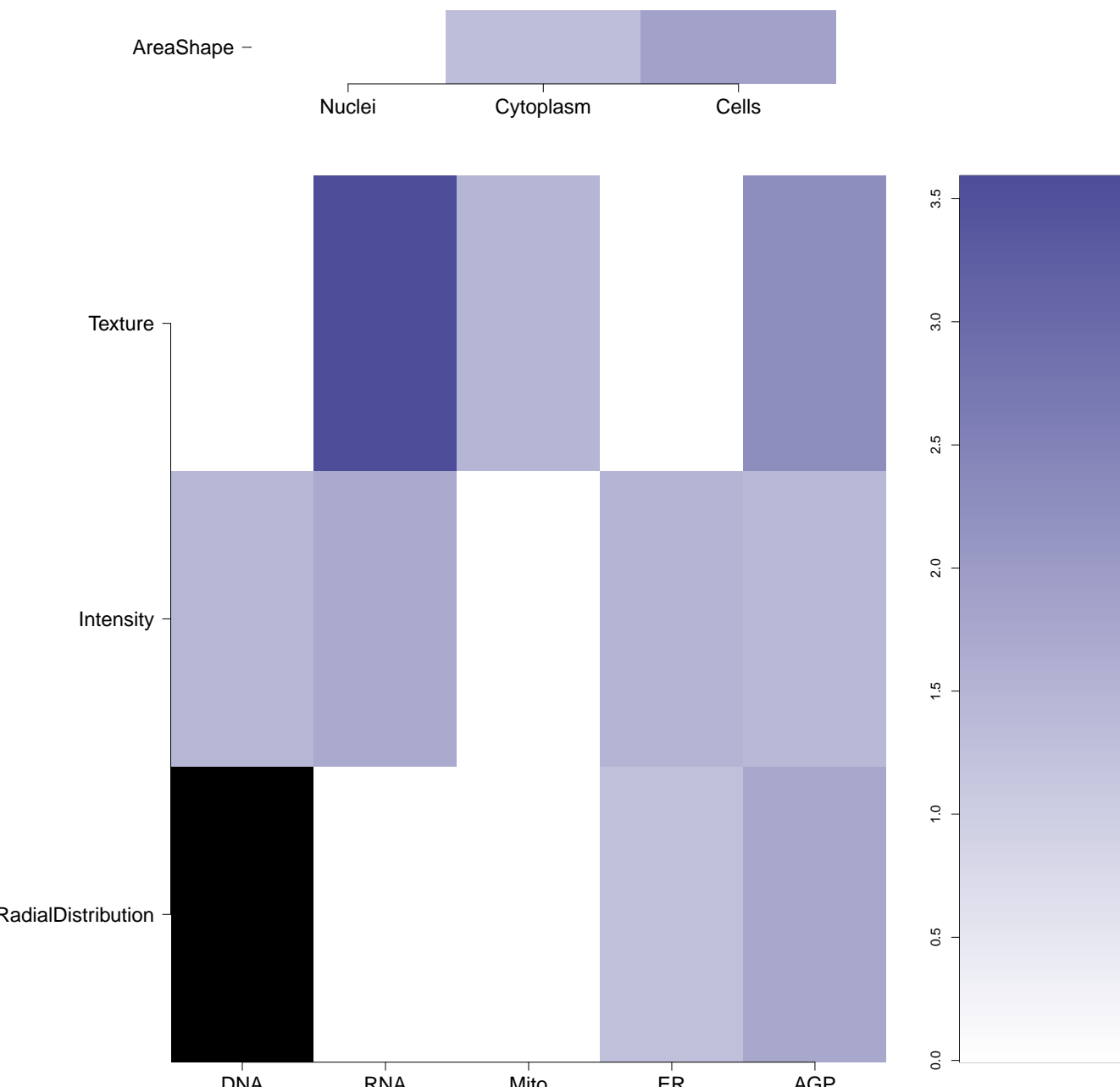
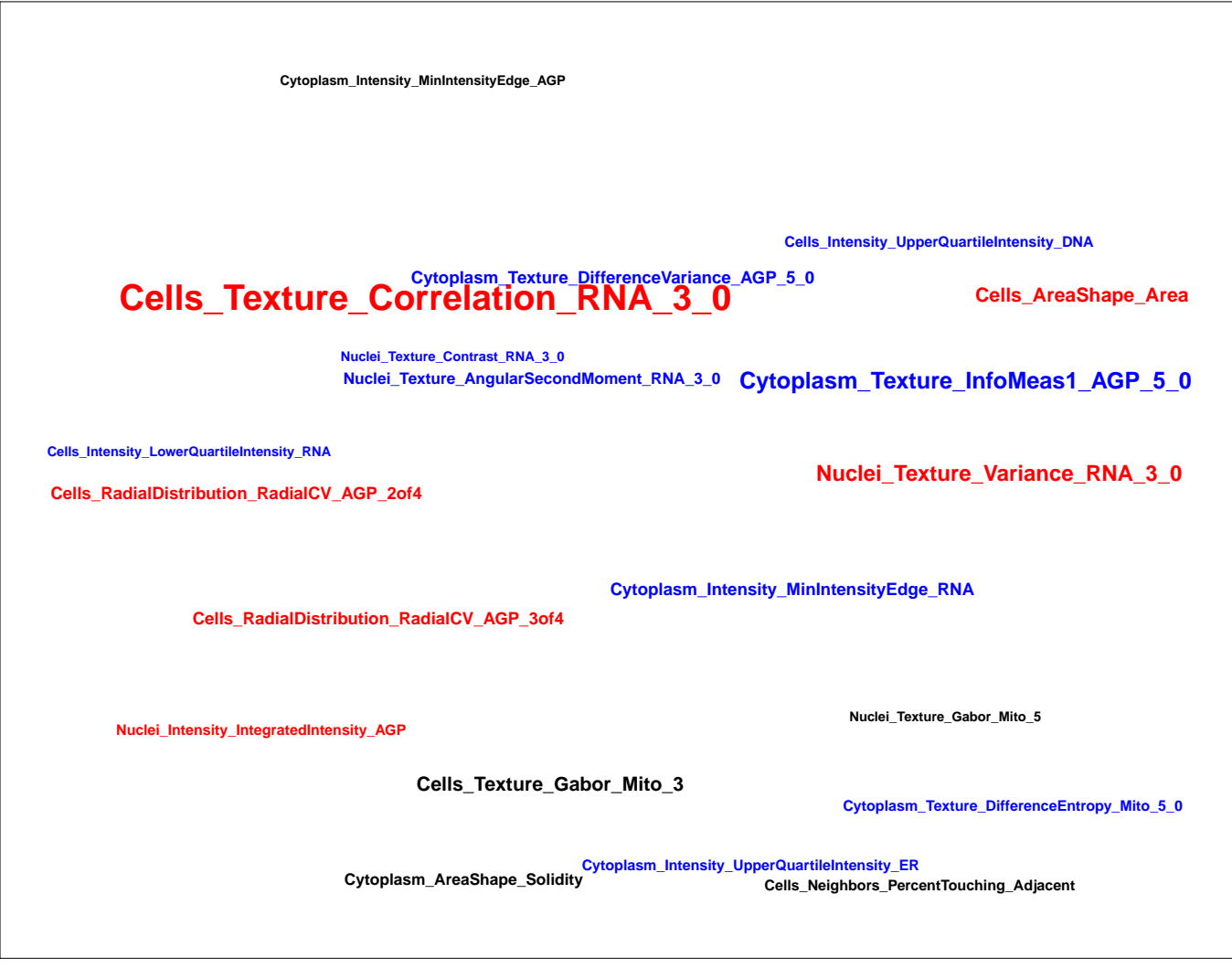
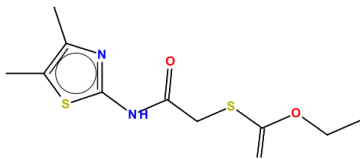
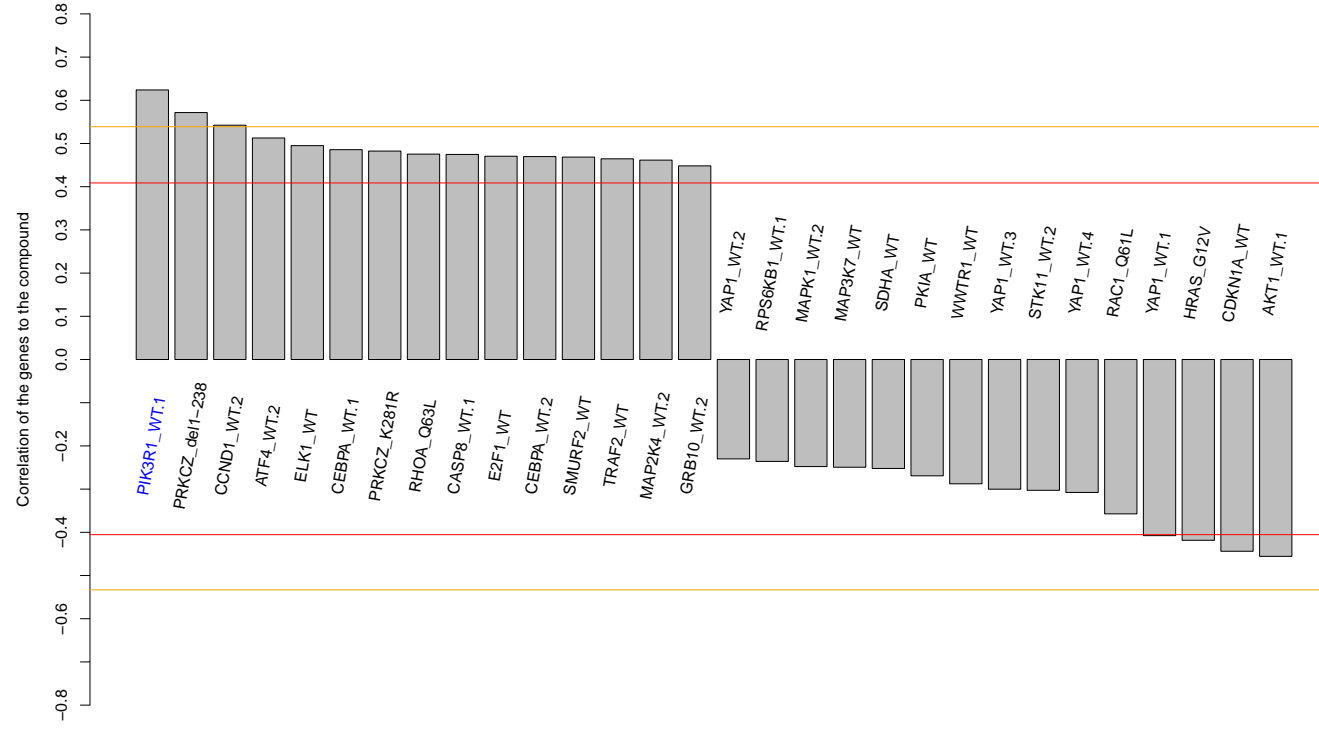
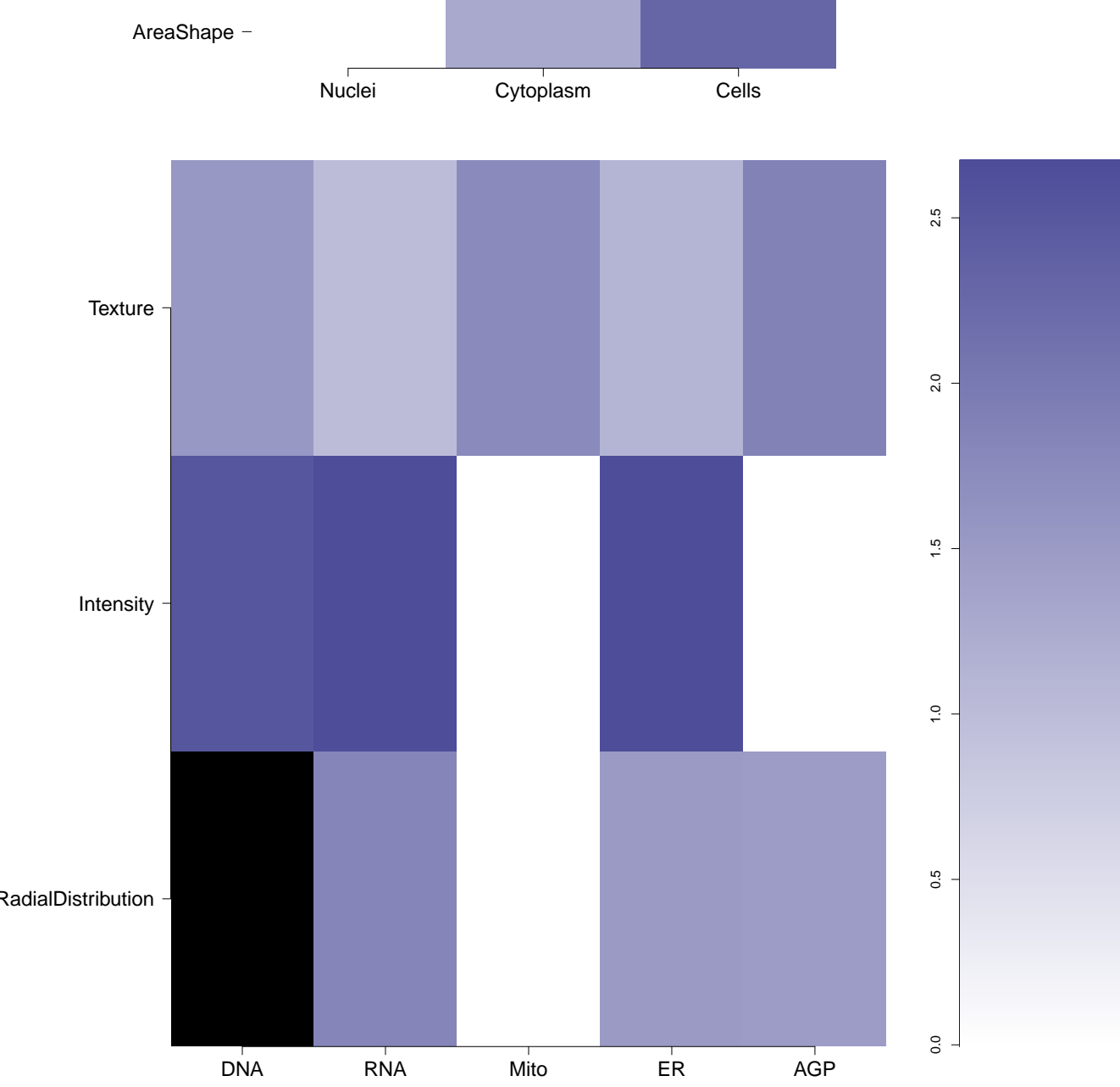
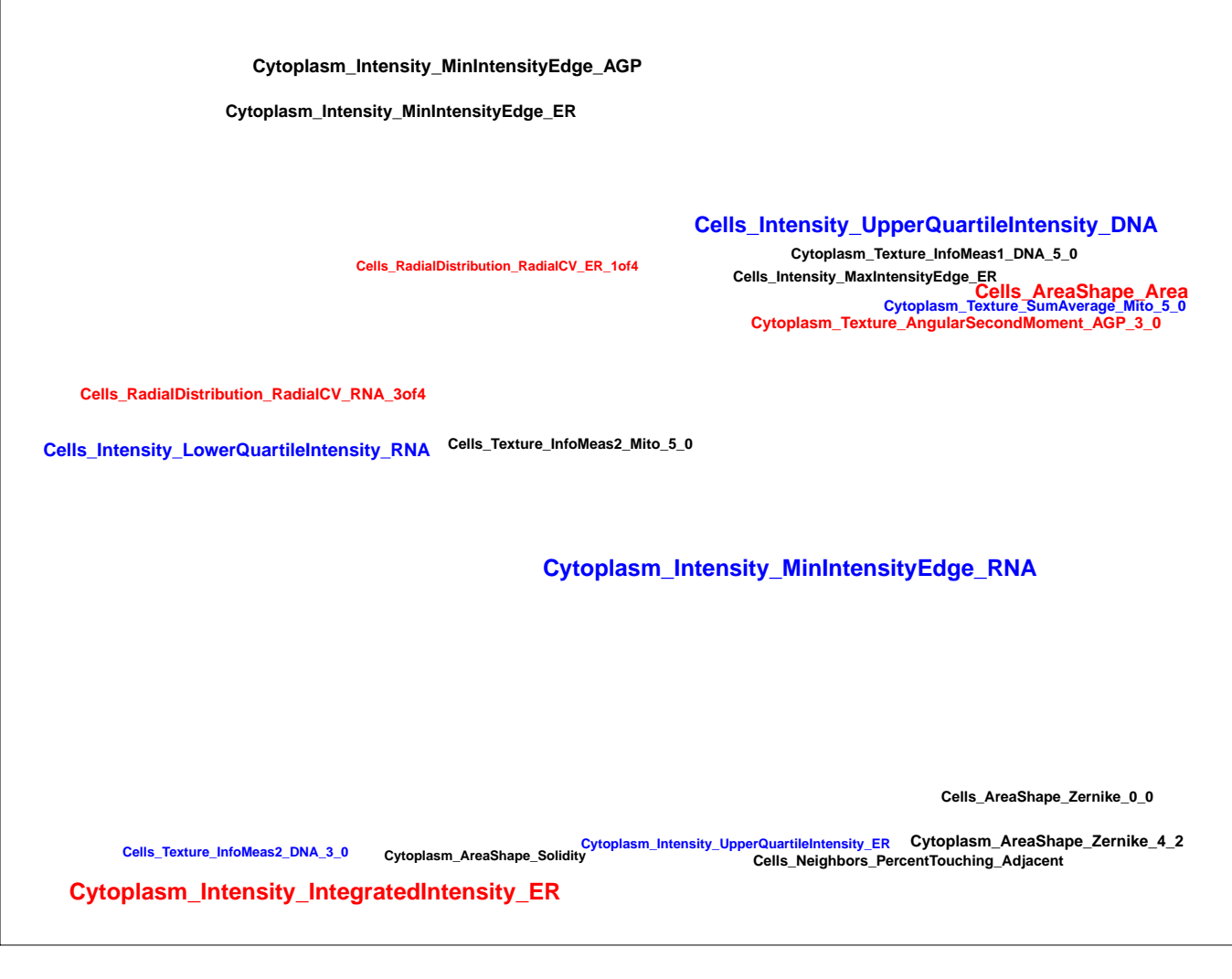
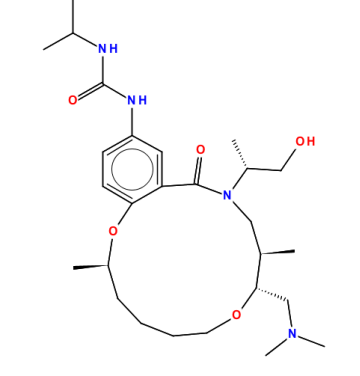
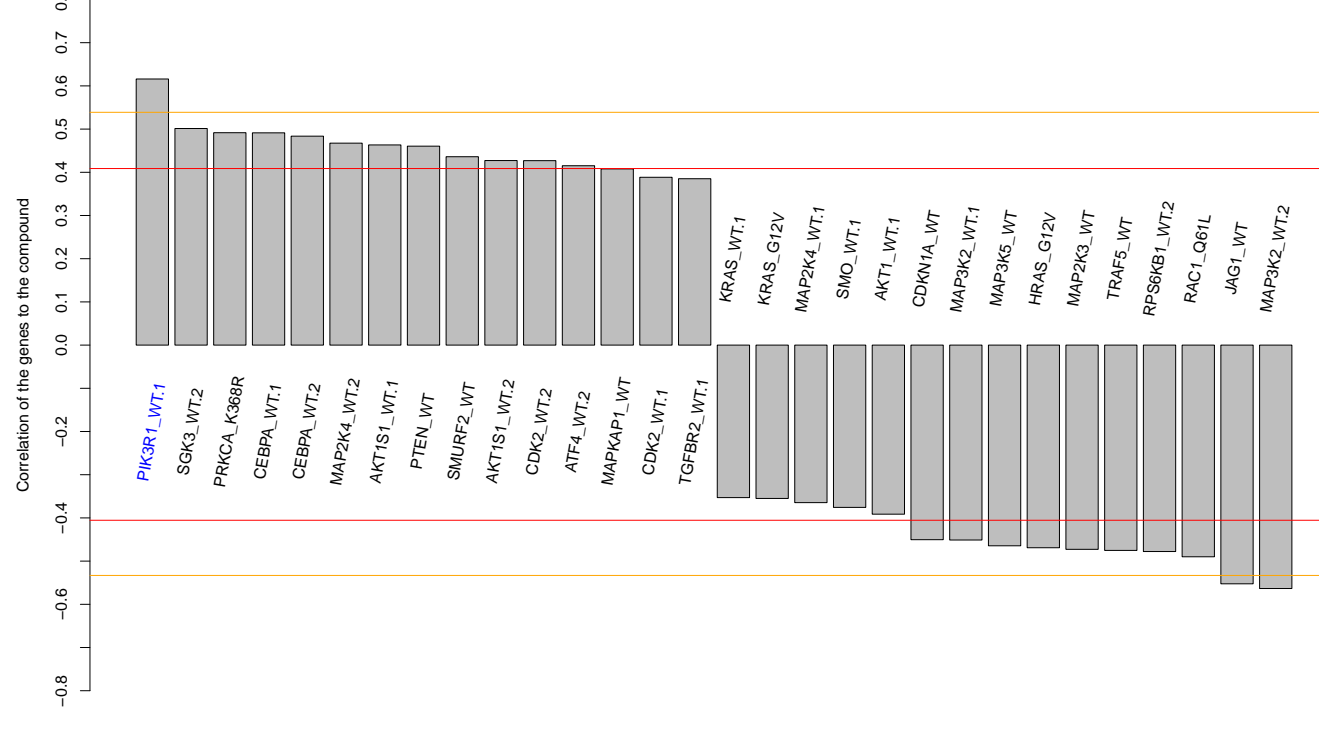
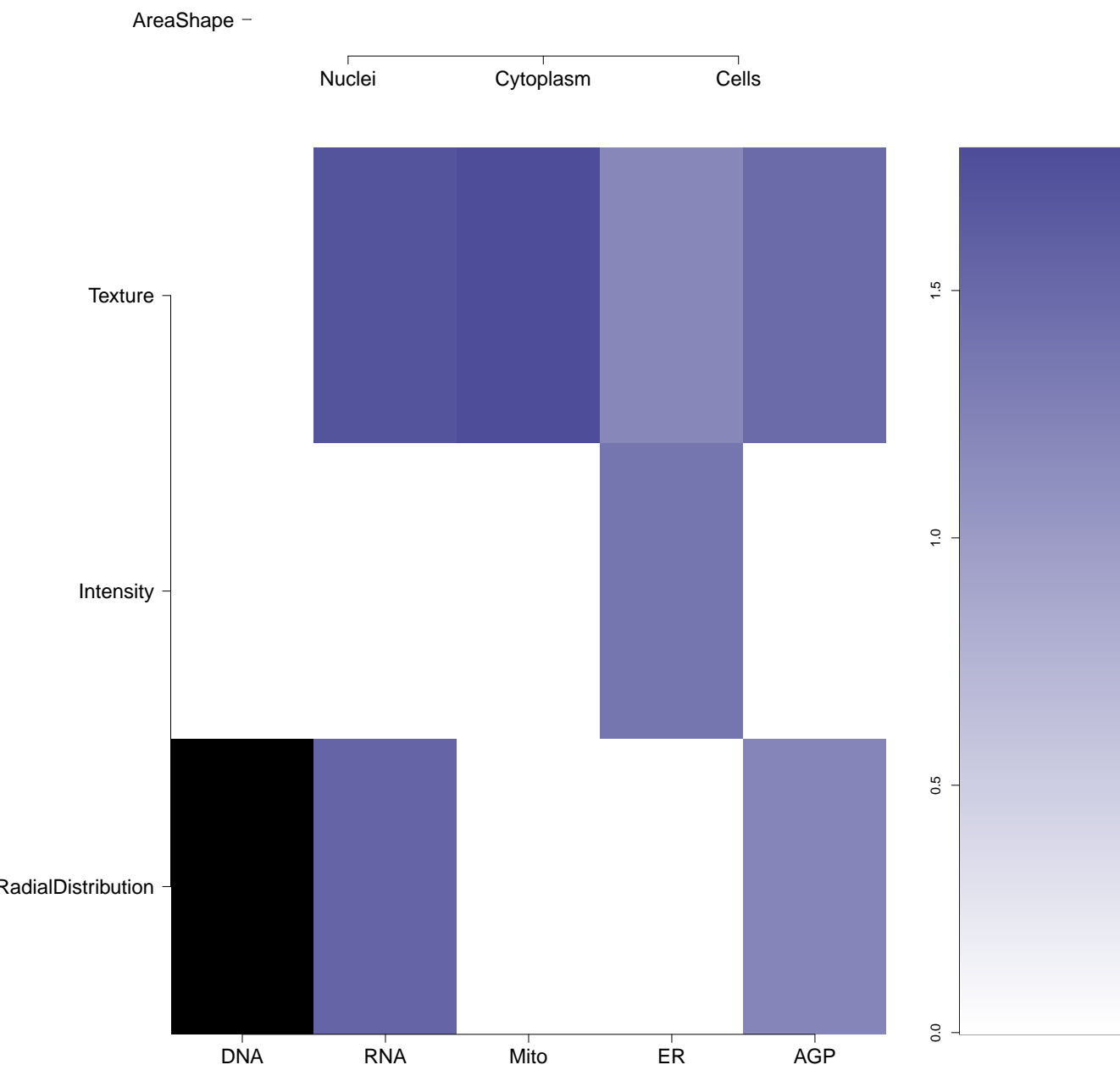
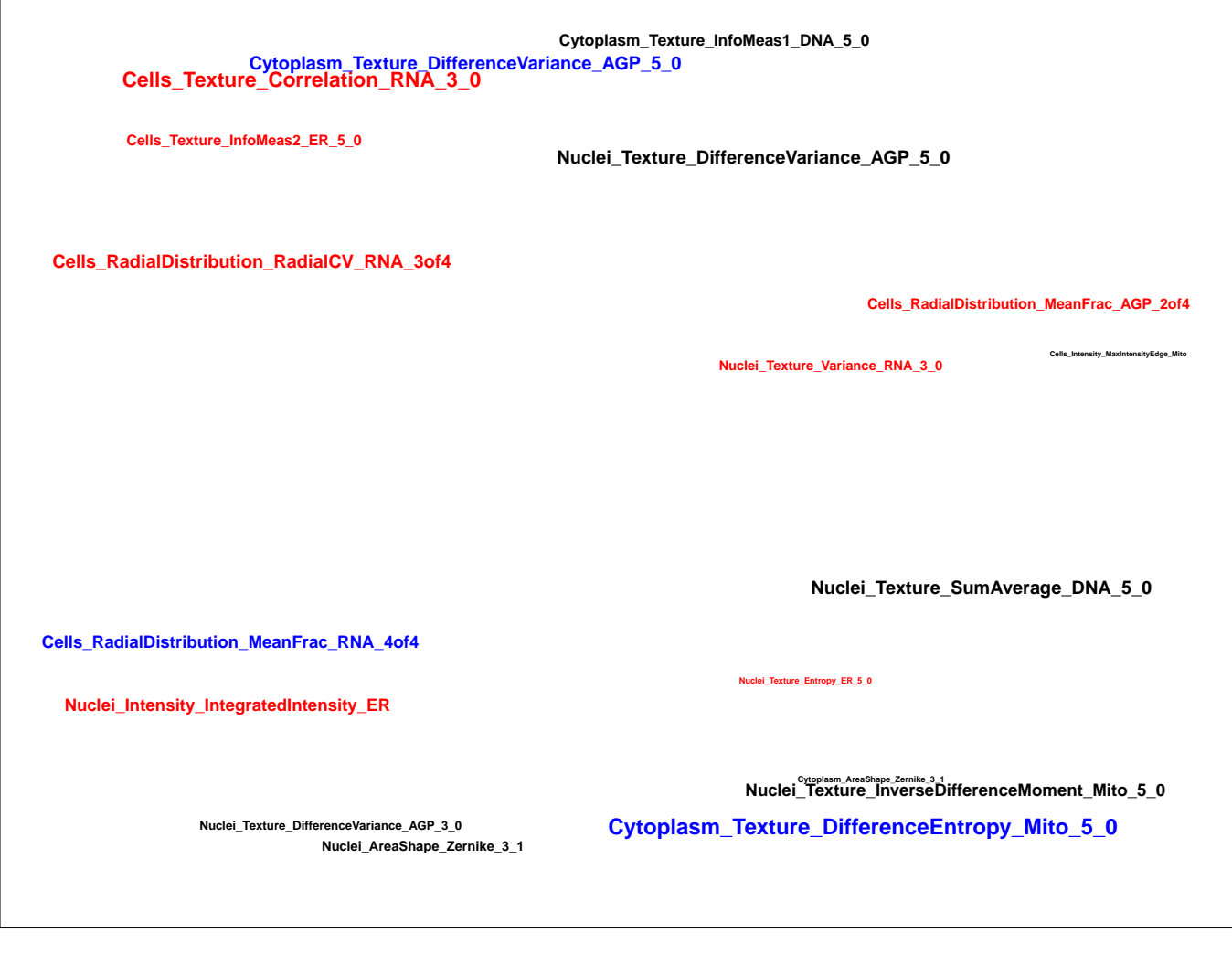
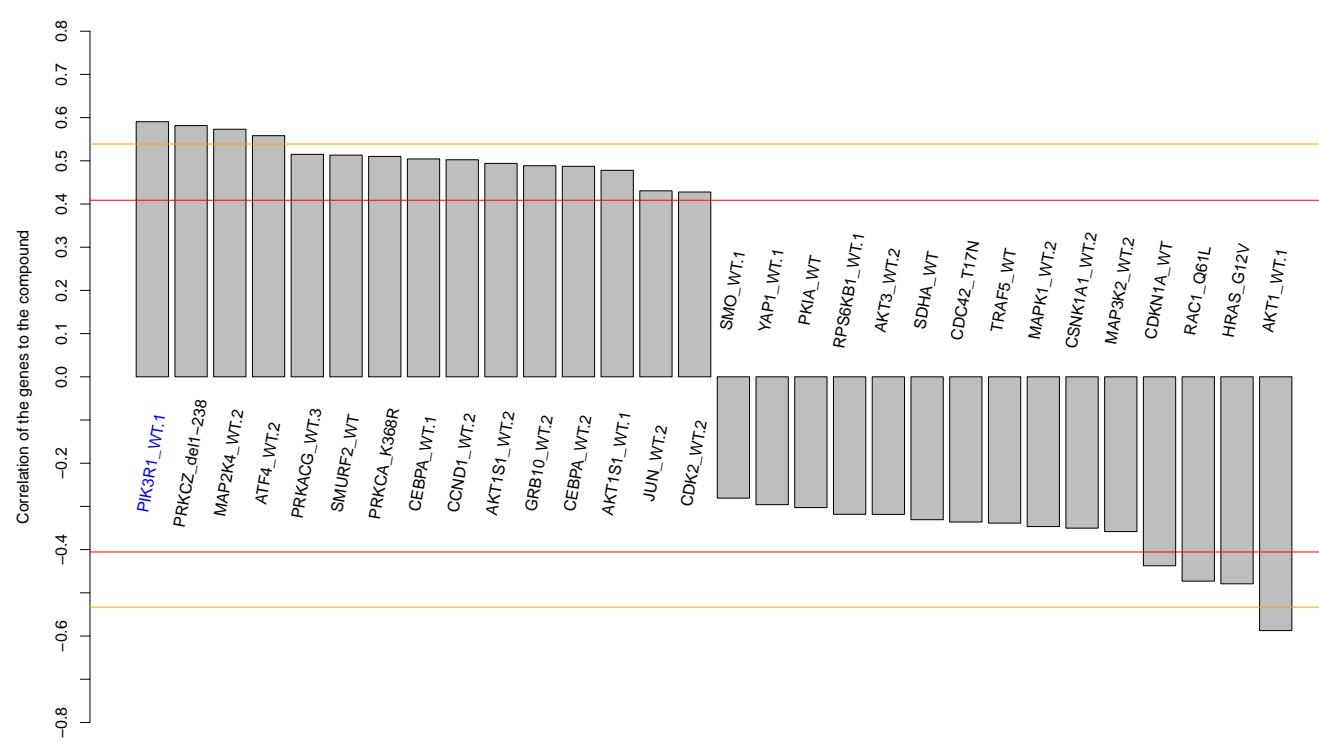
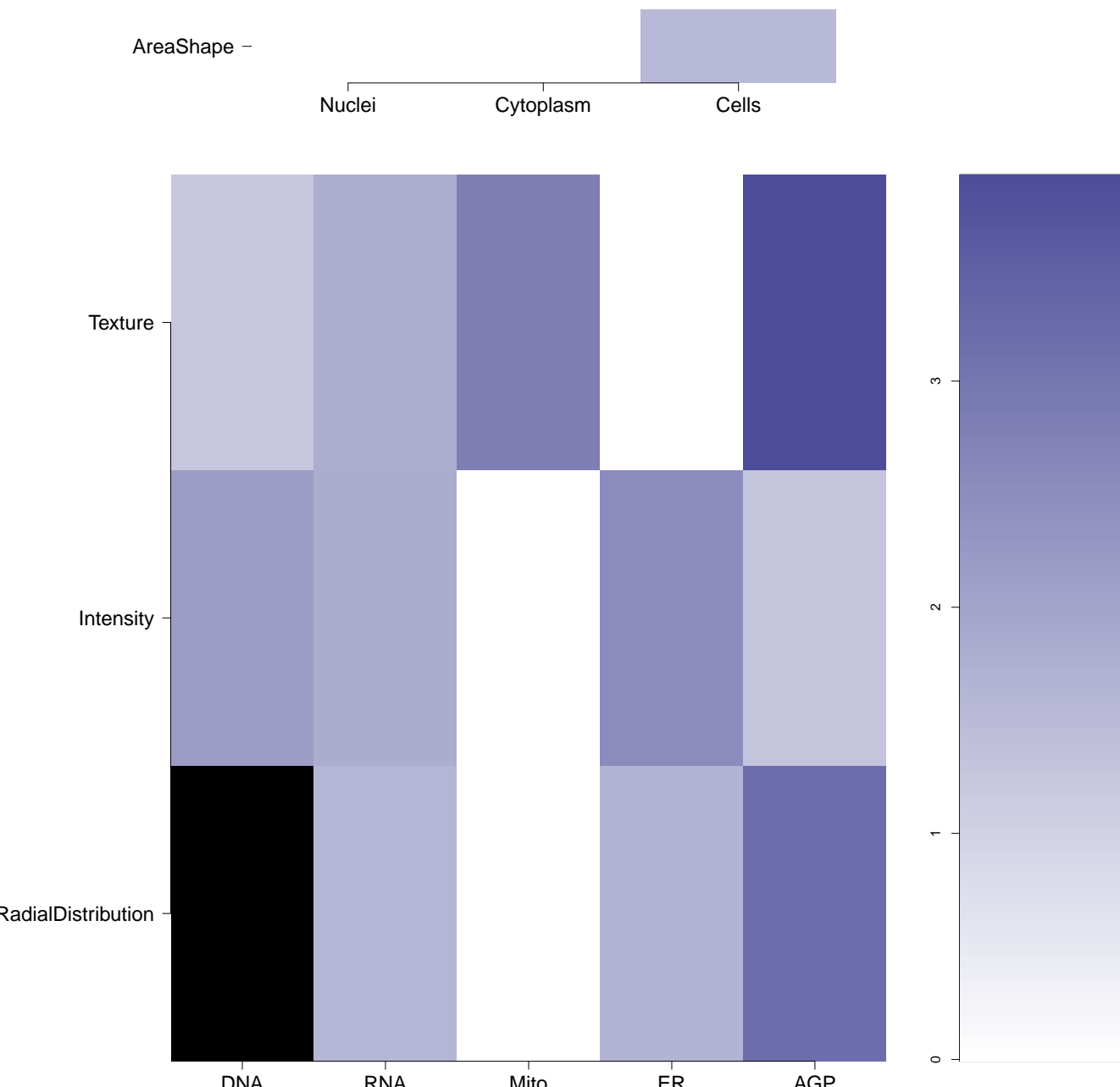
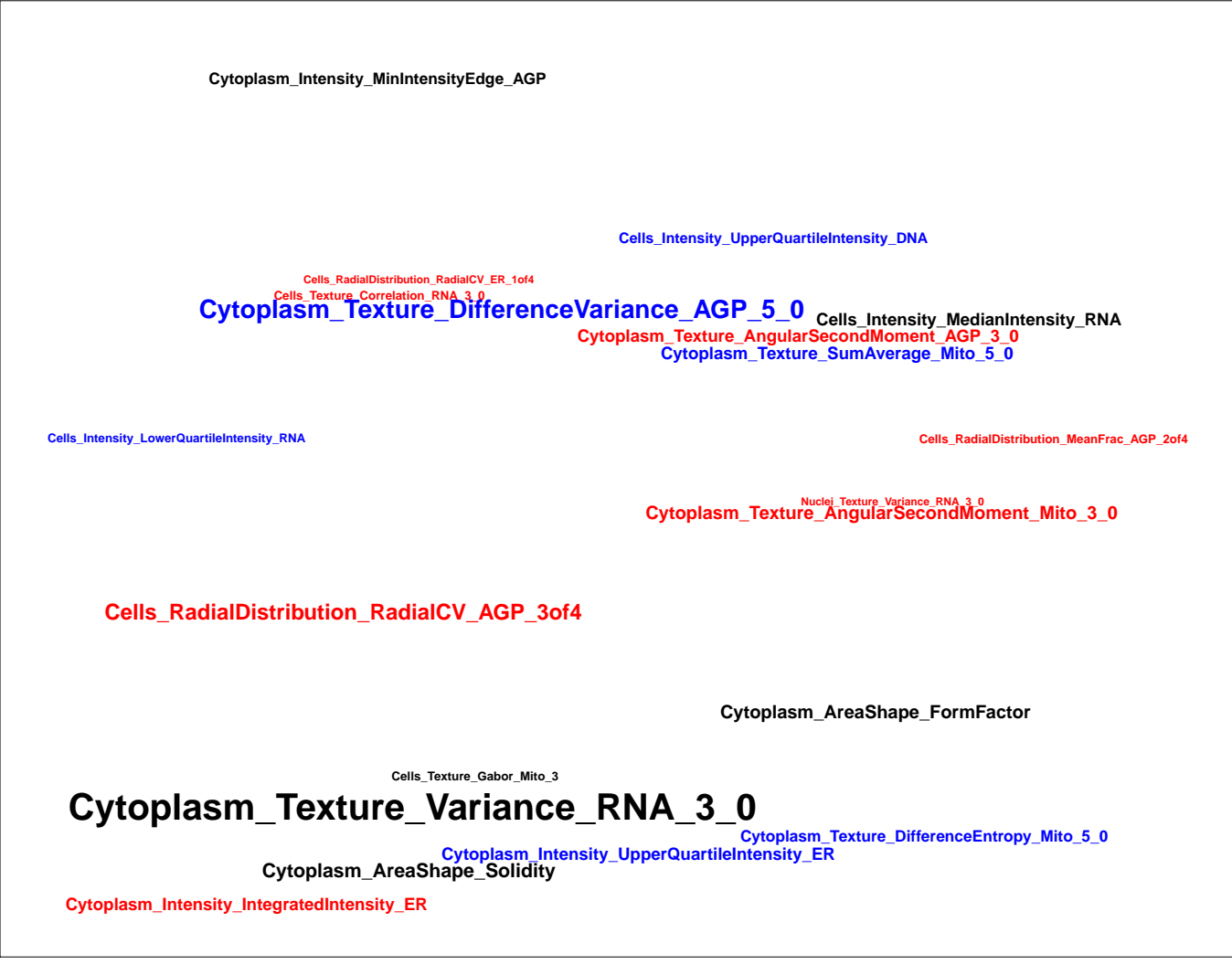
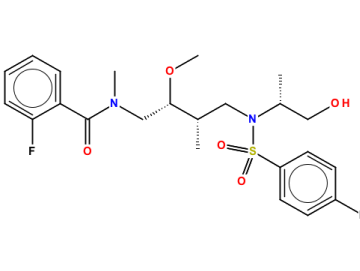
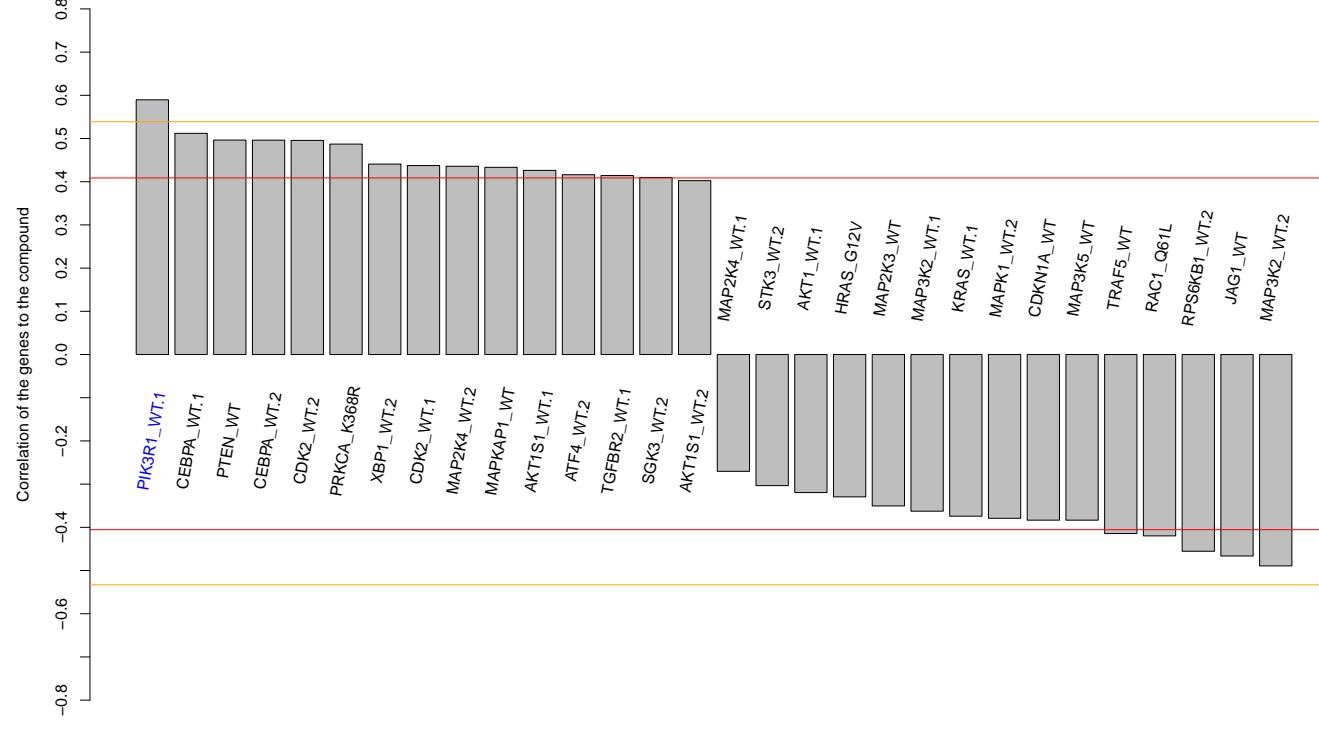
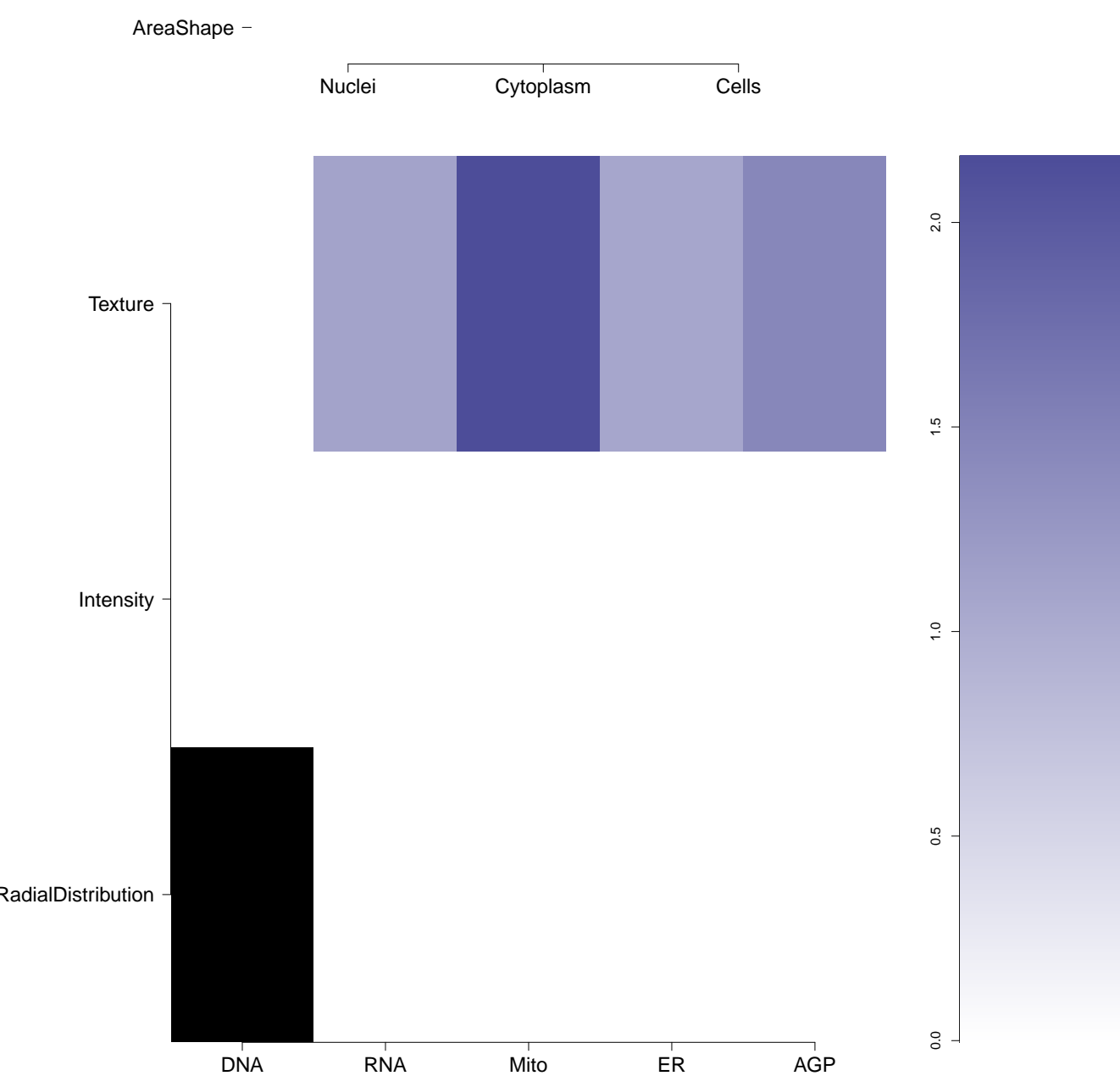
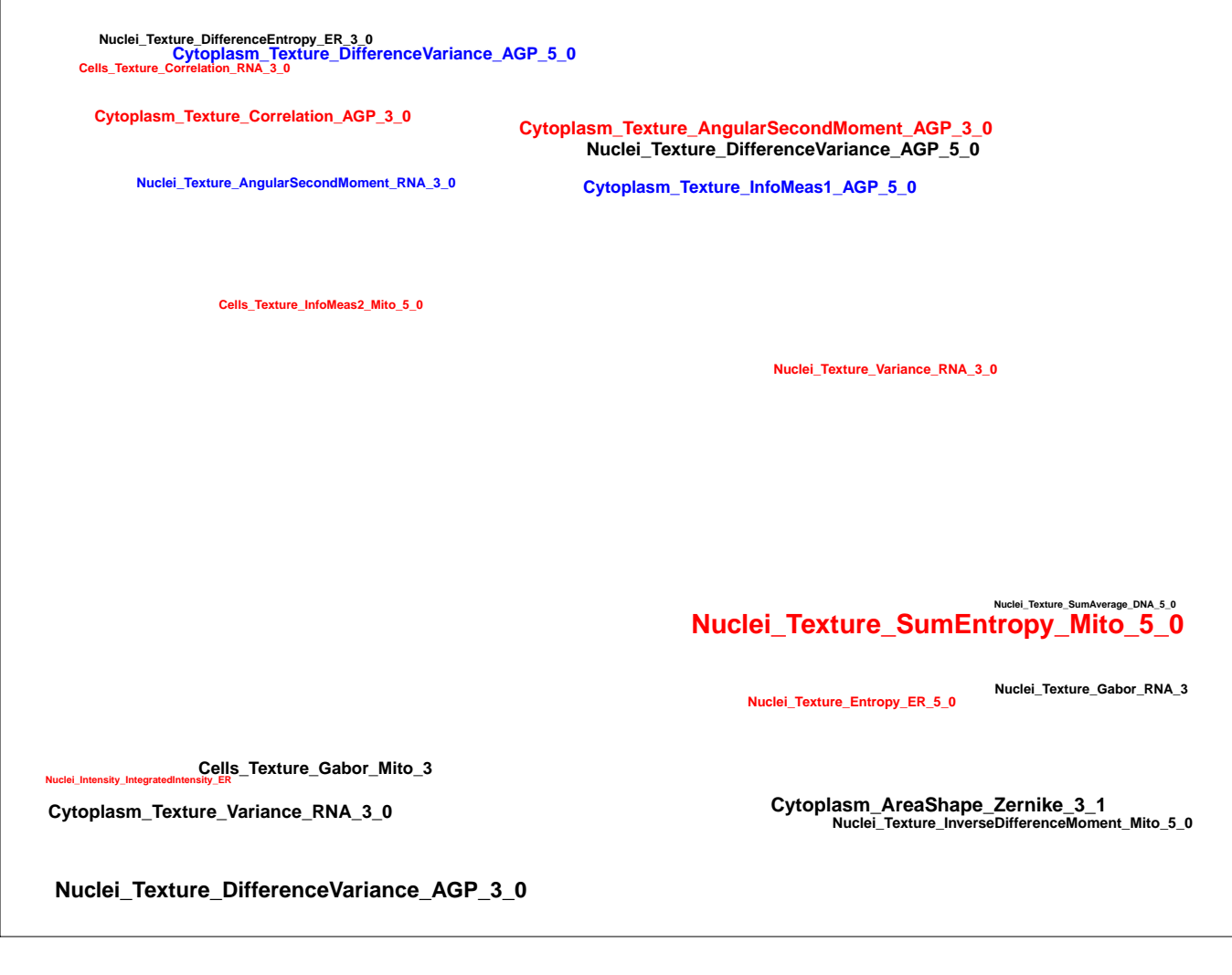
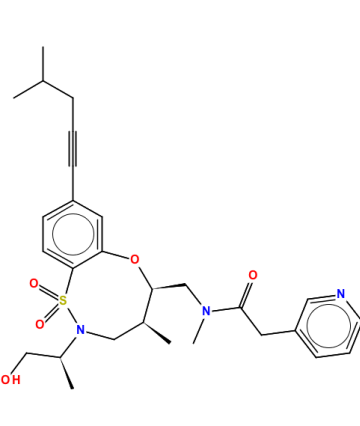
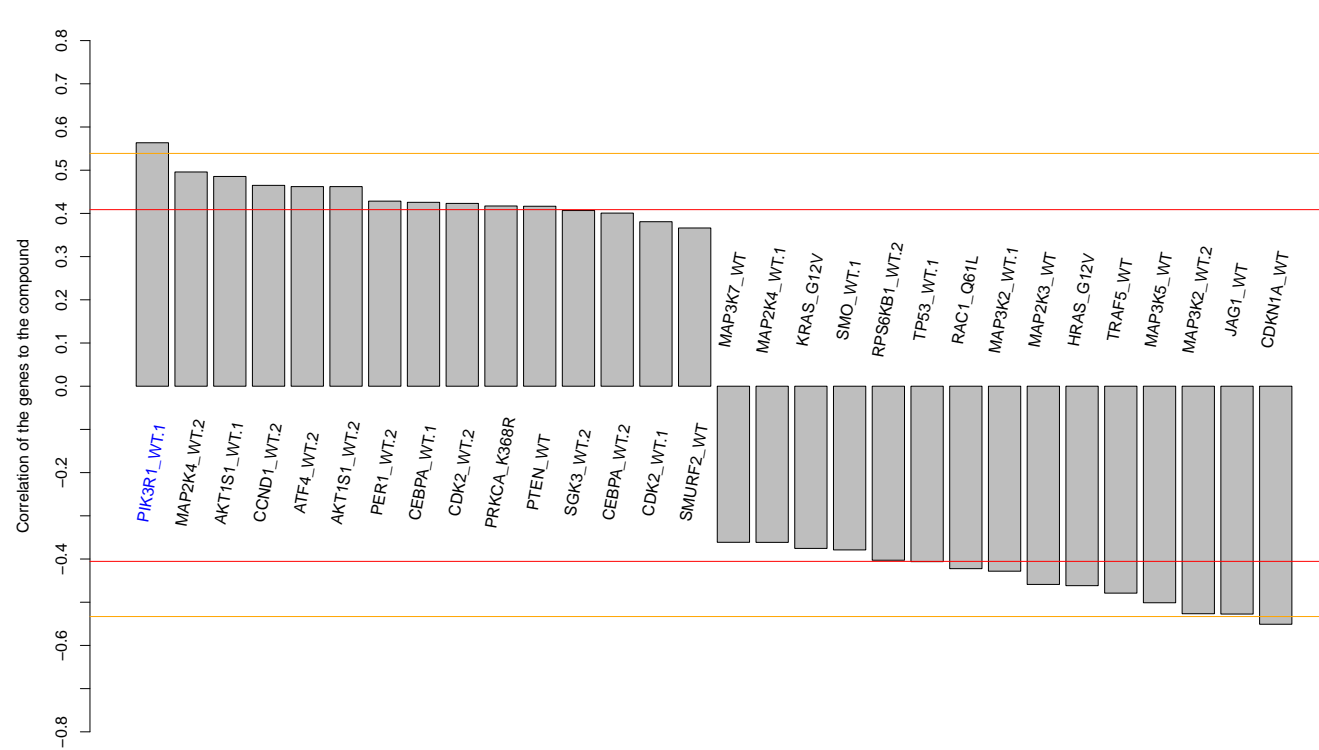
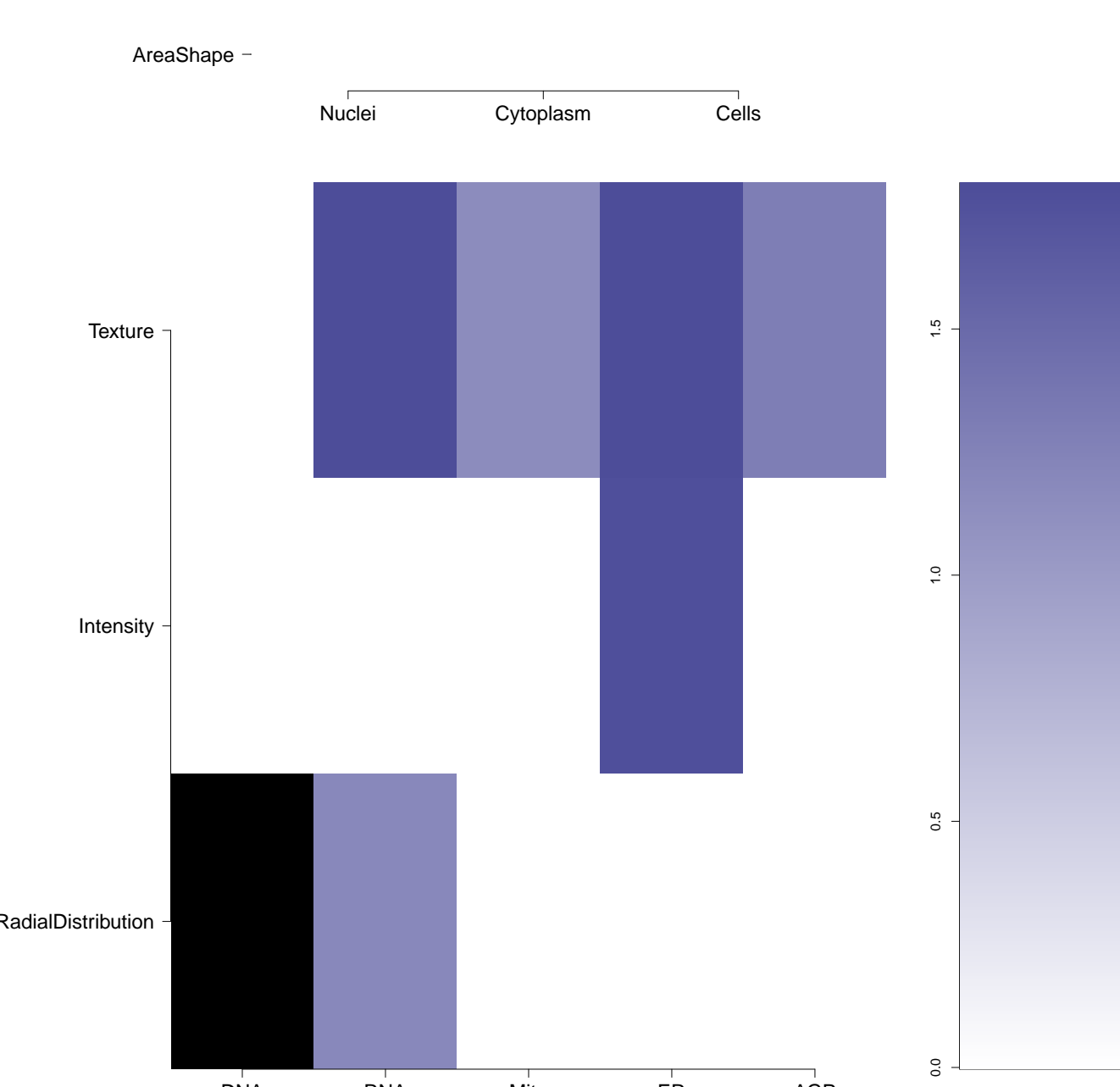
RNA

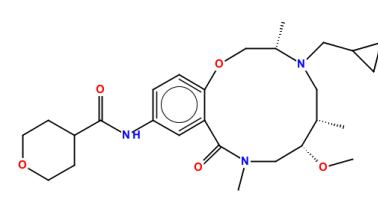
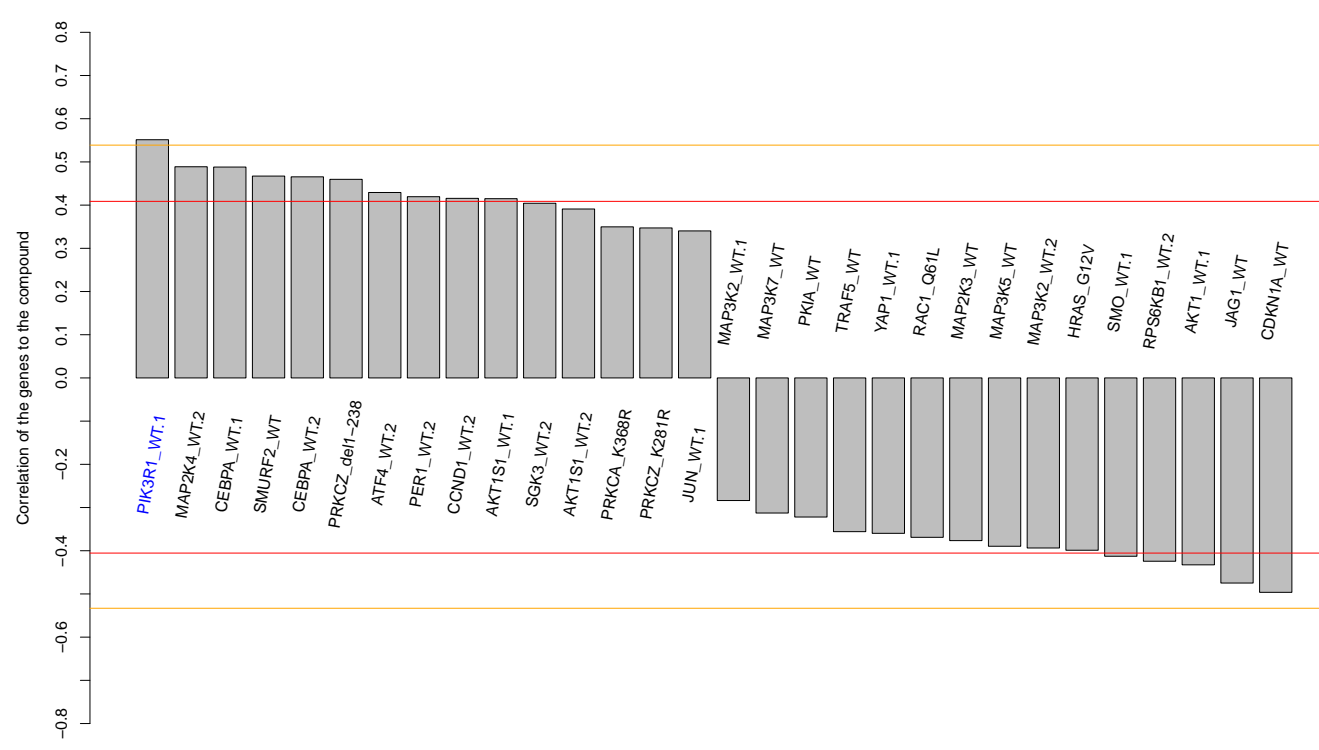
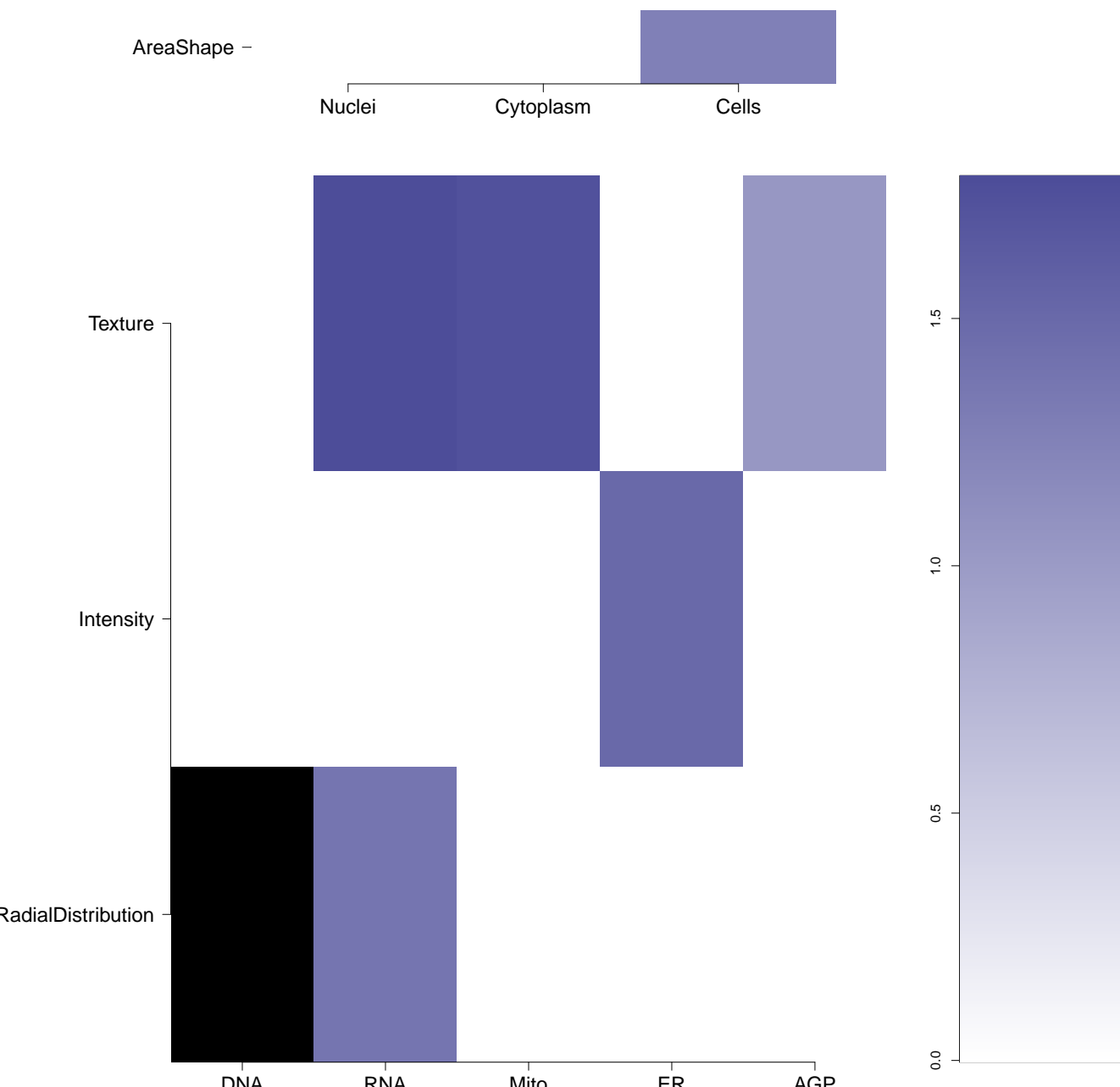
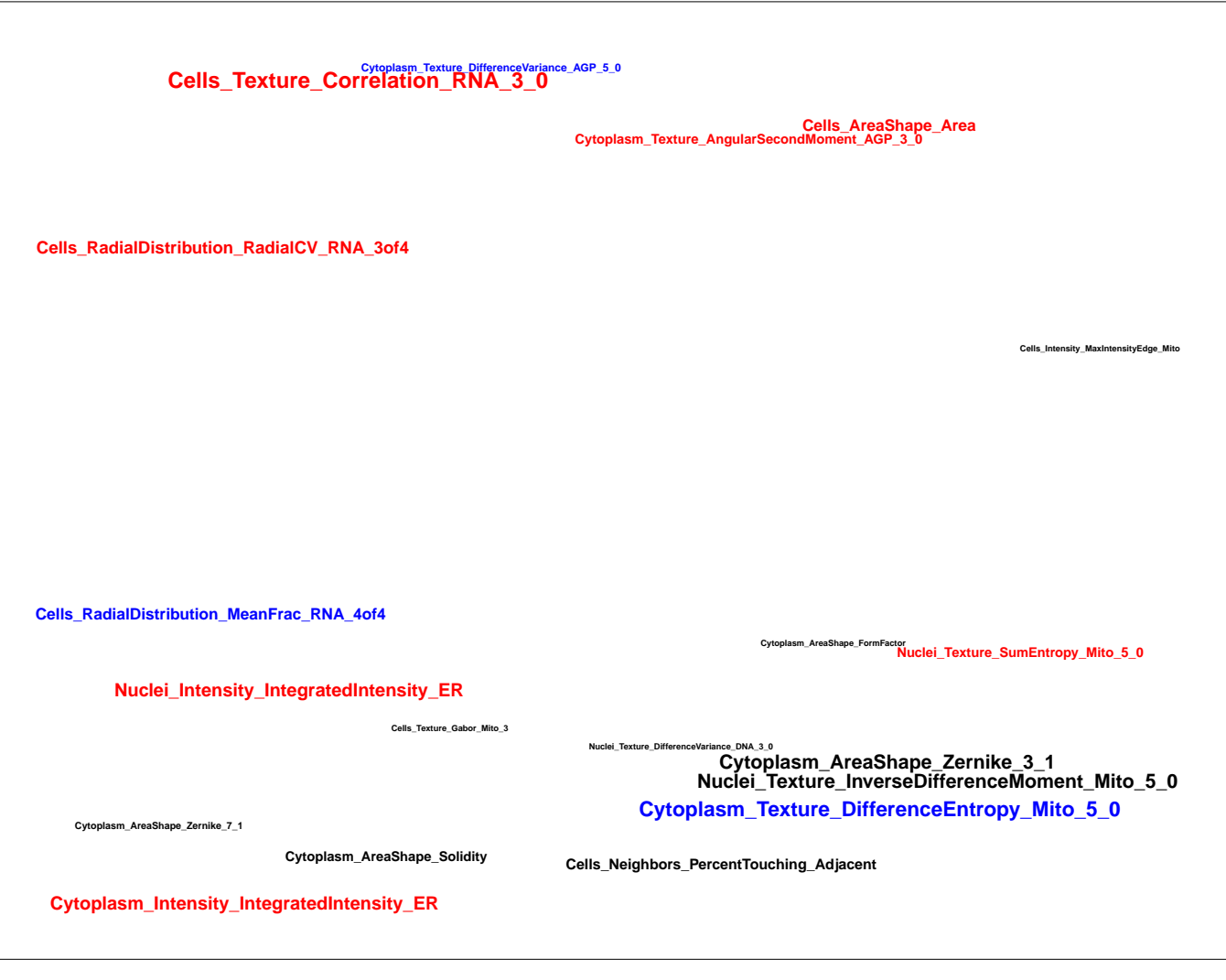
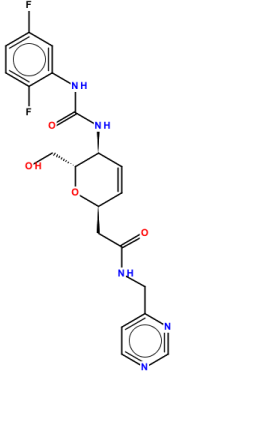
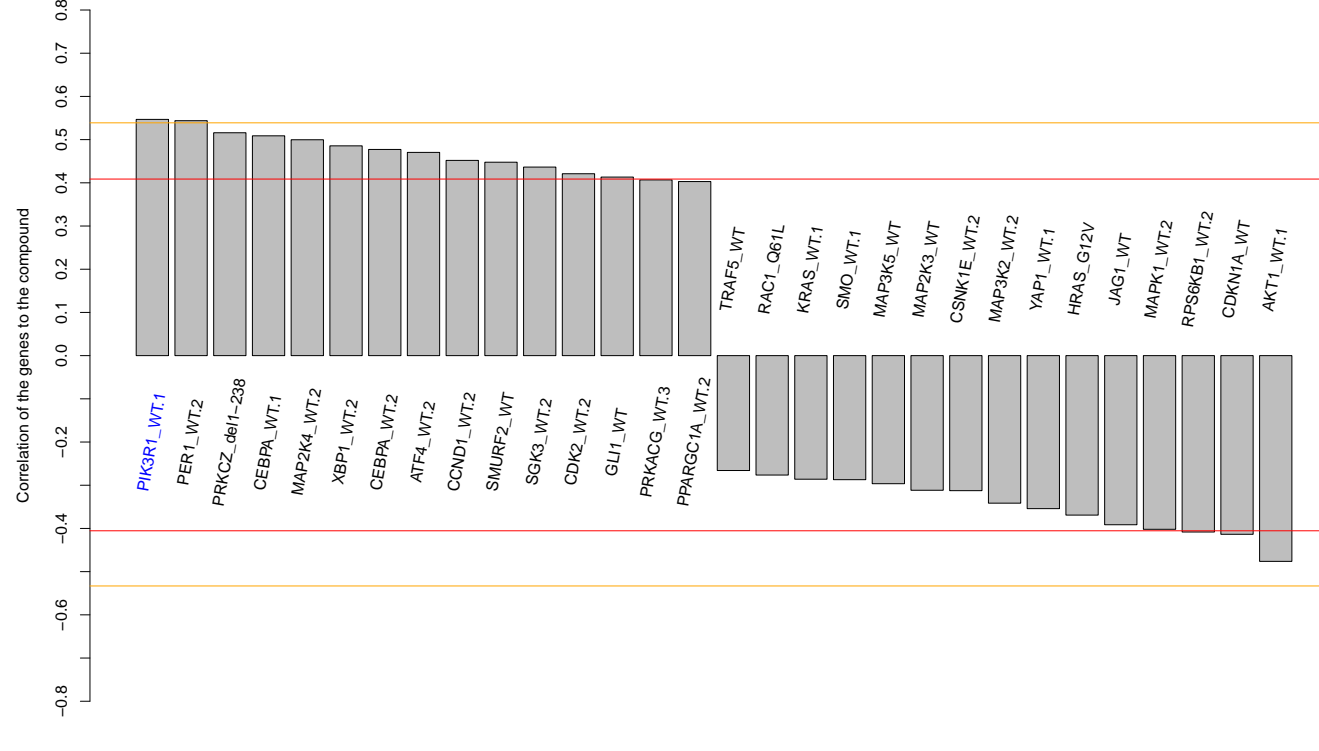

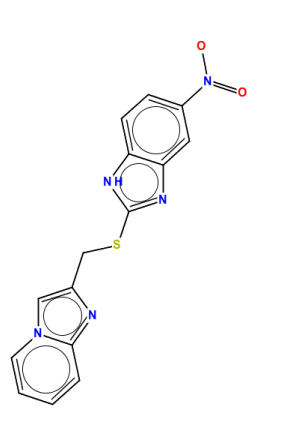
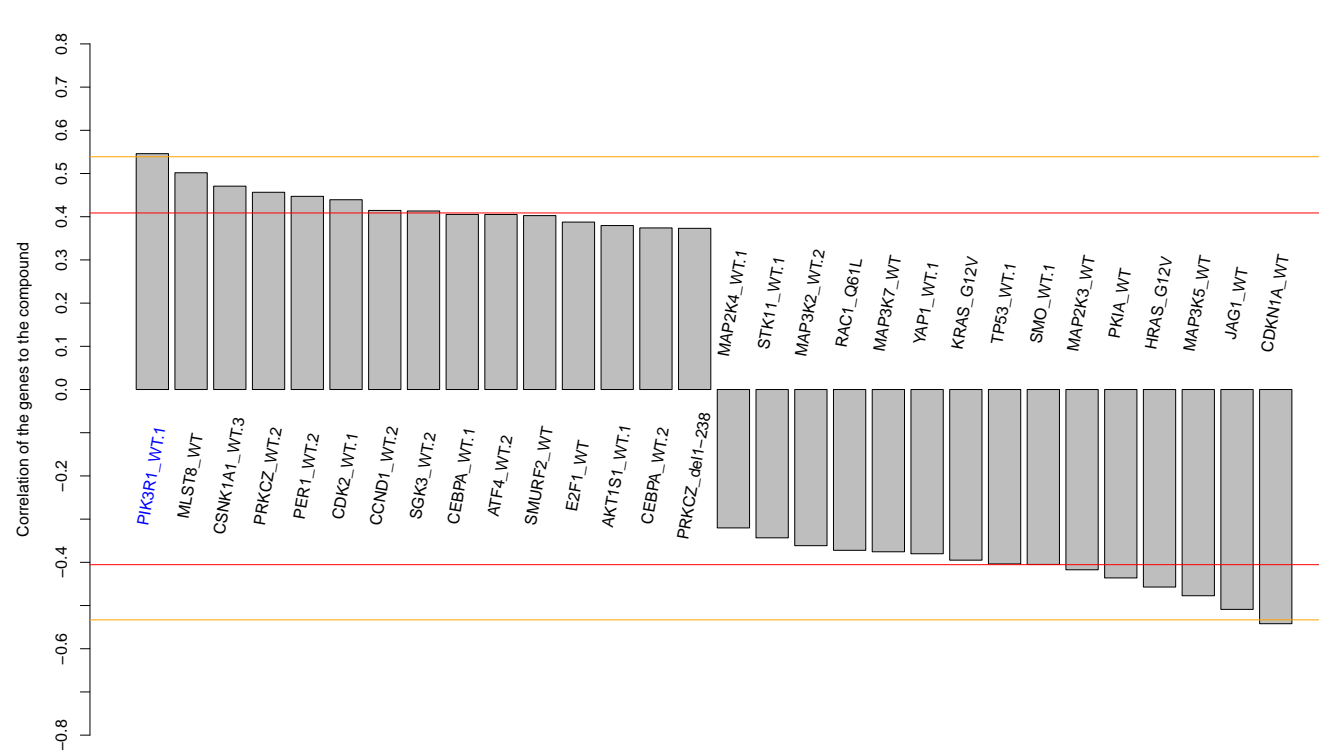
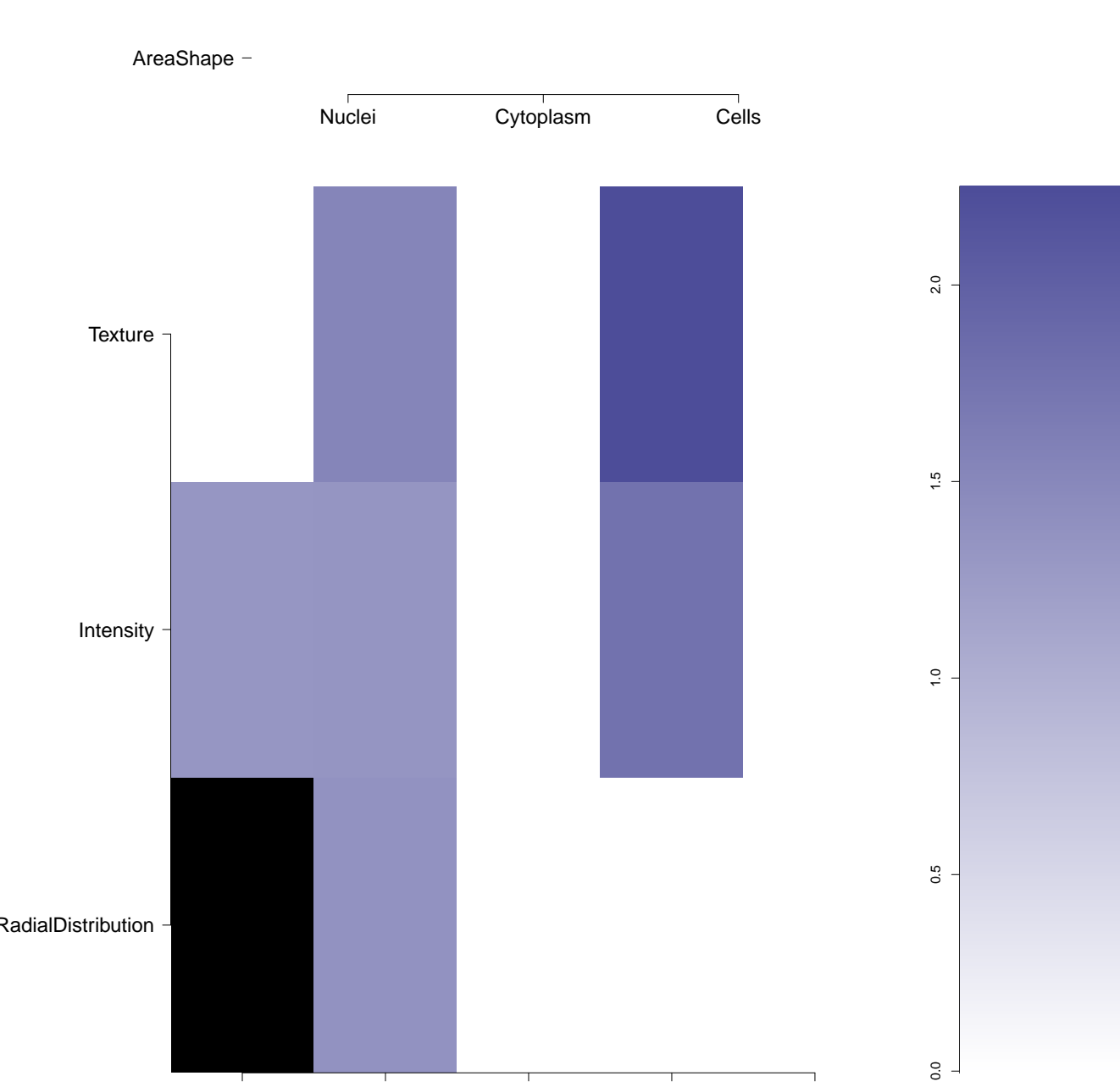

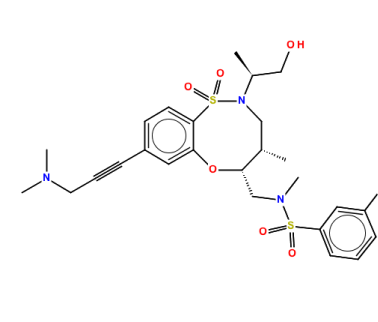
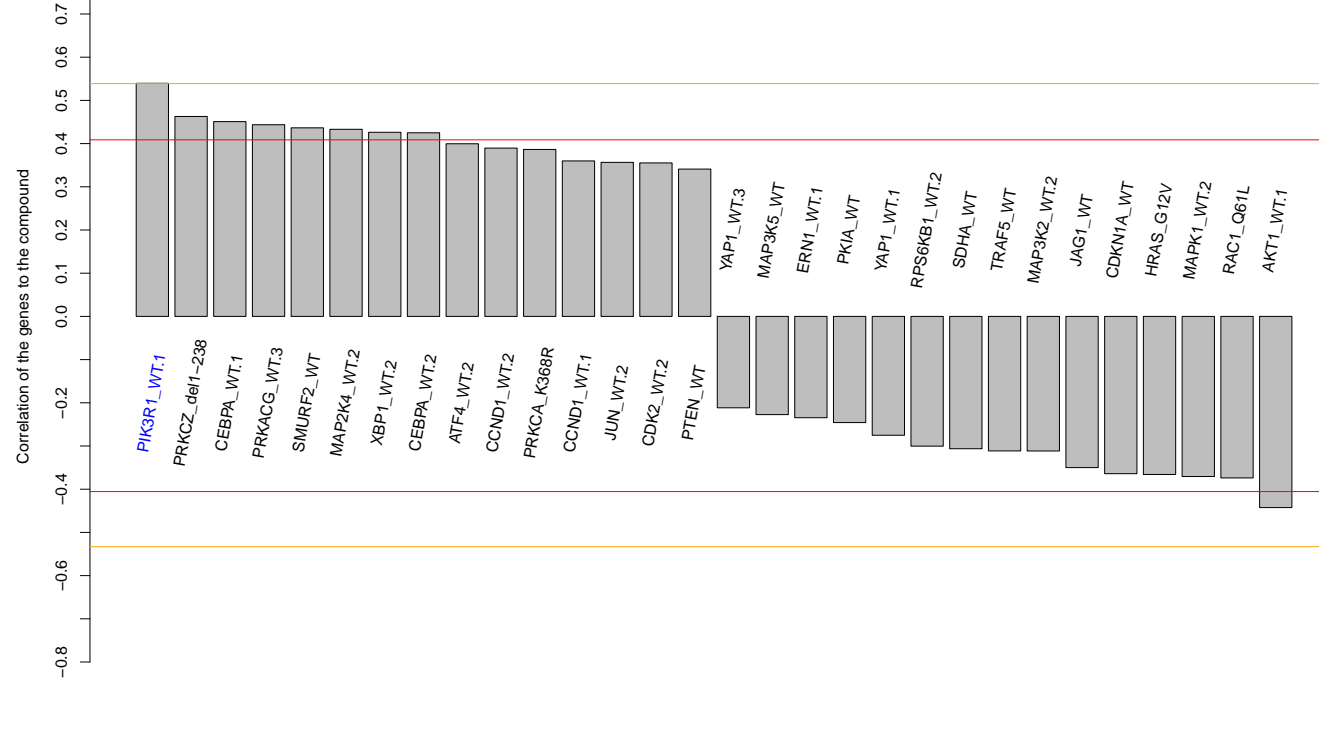
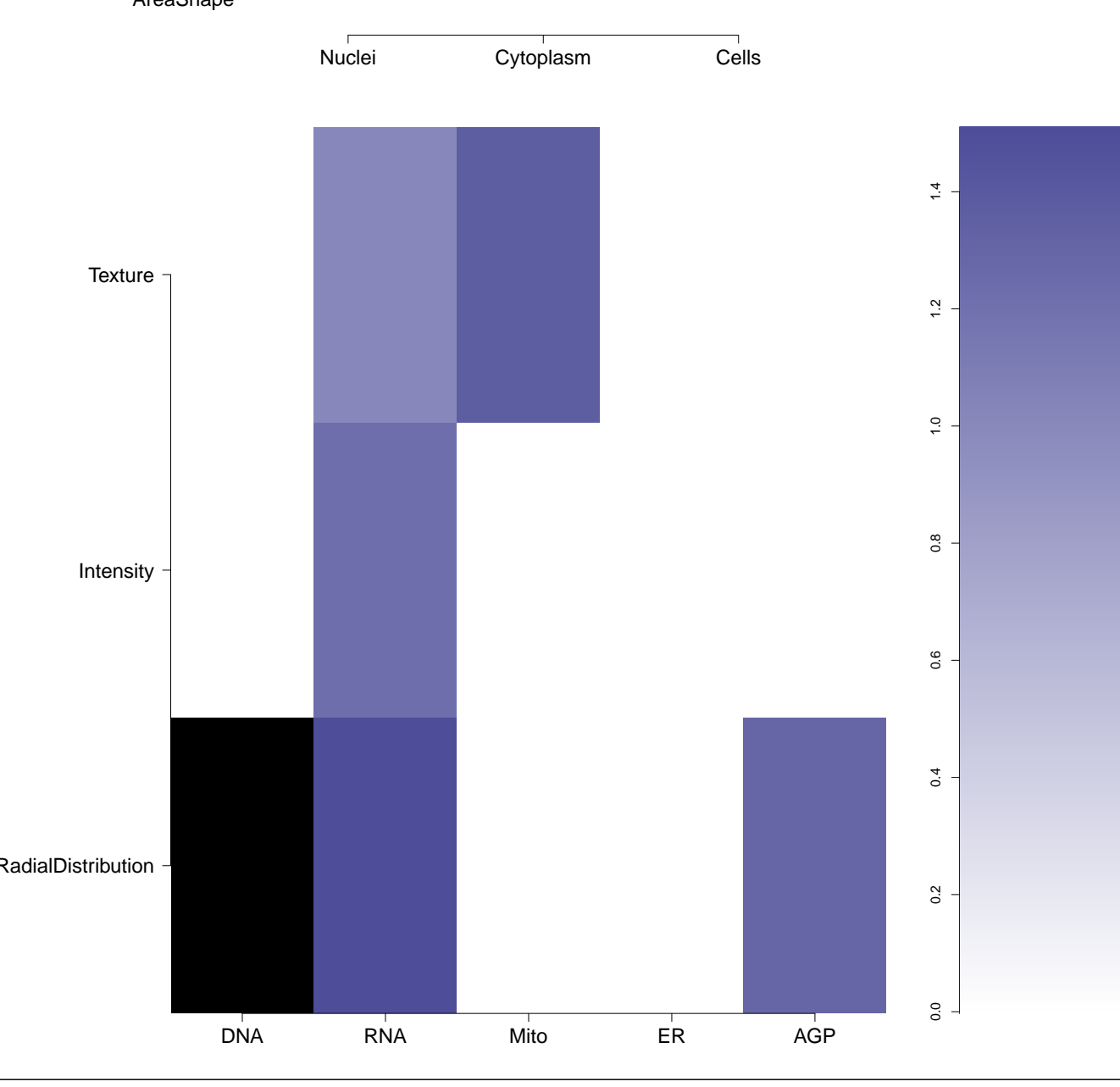

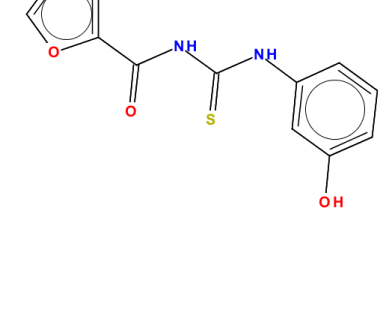
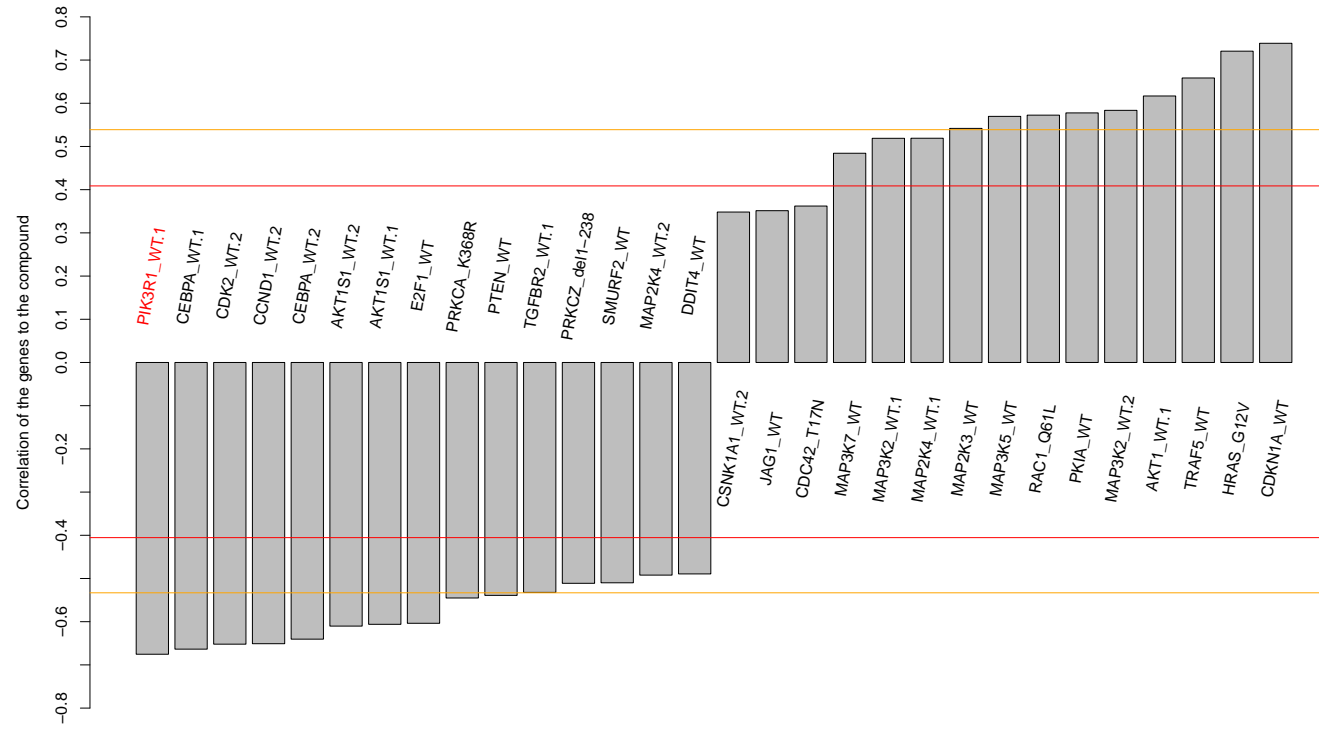
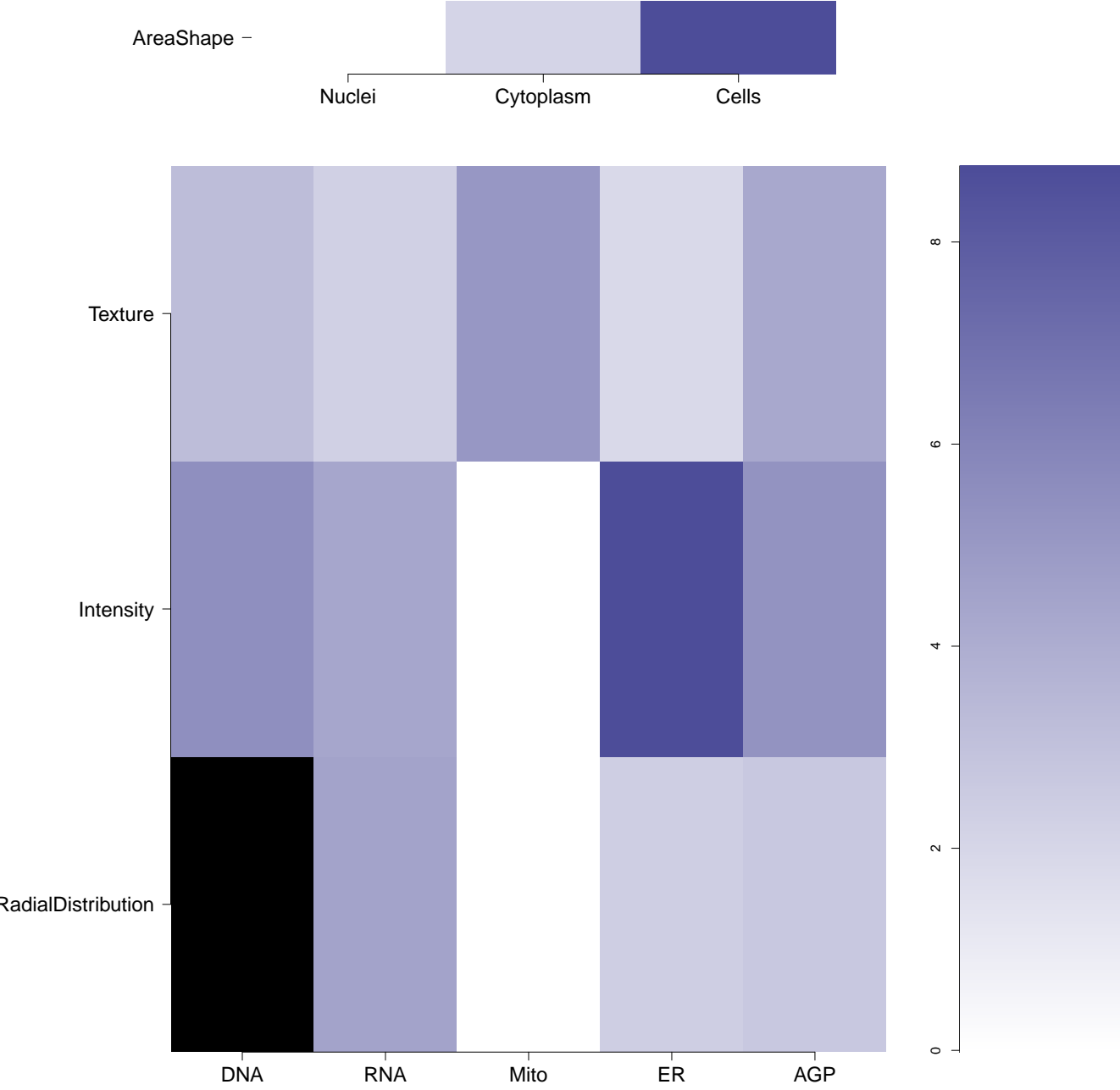
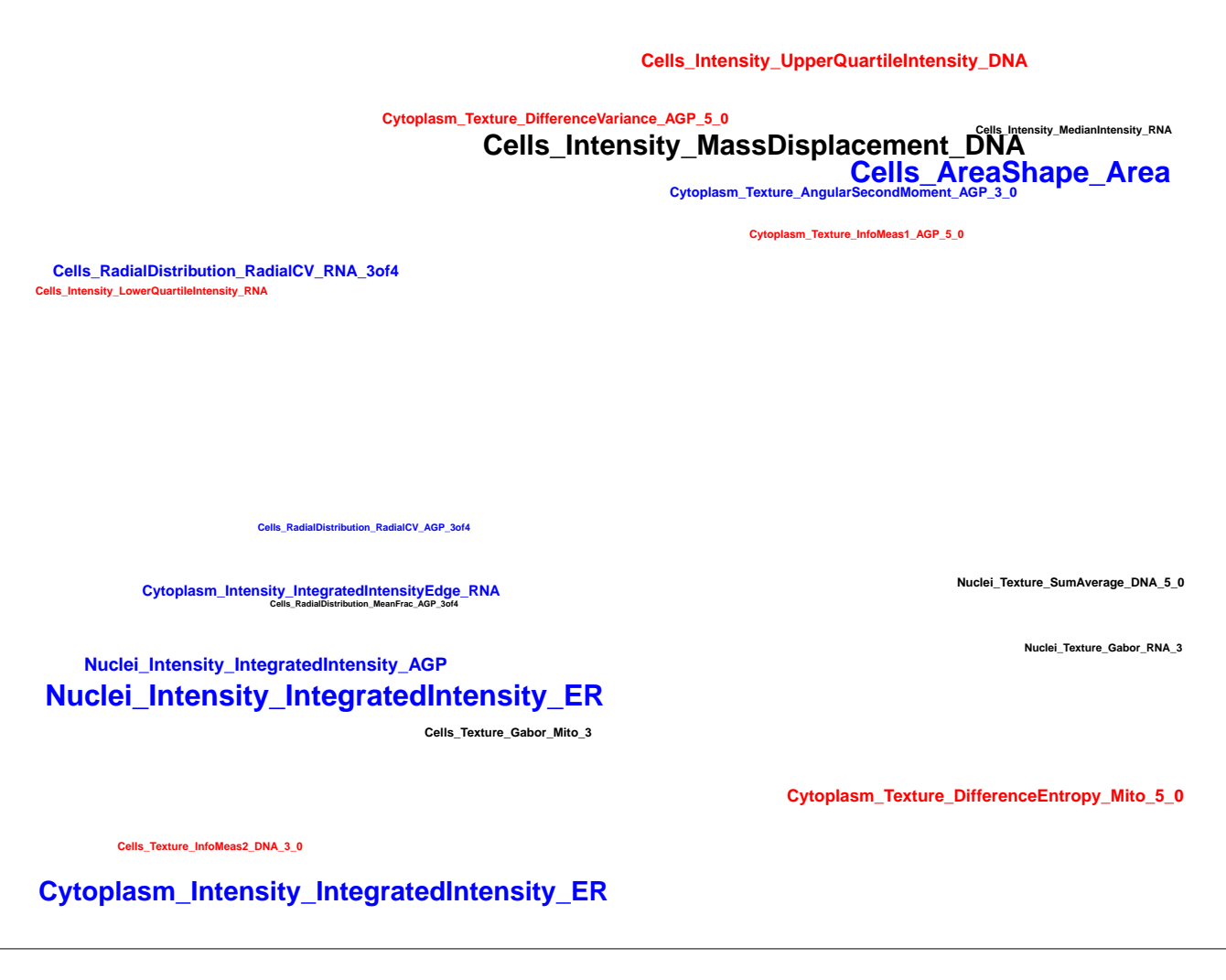
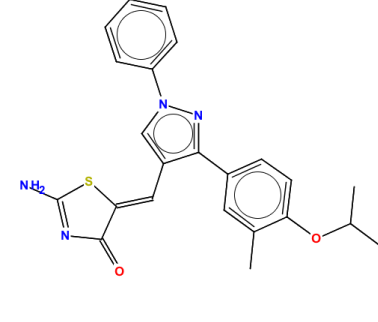
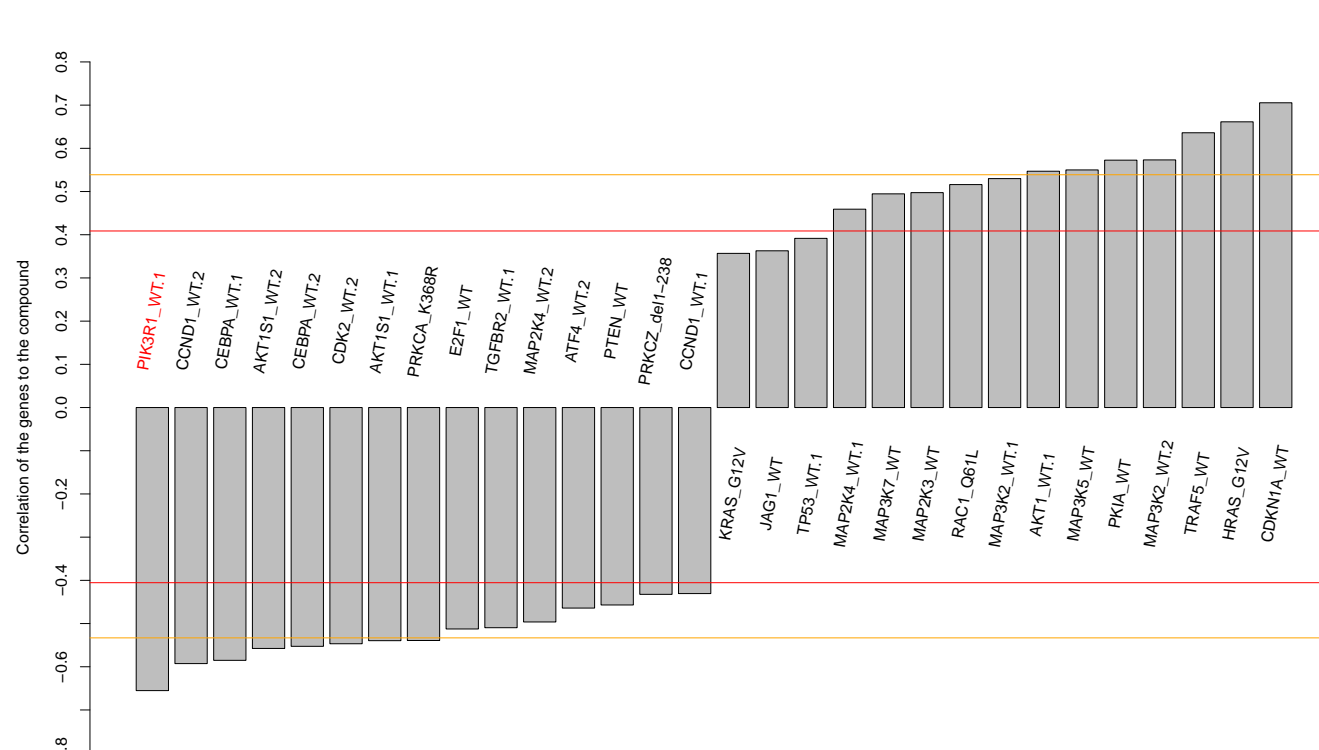
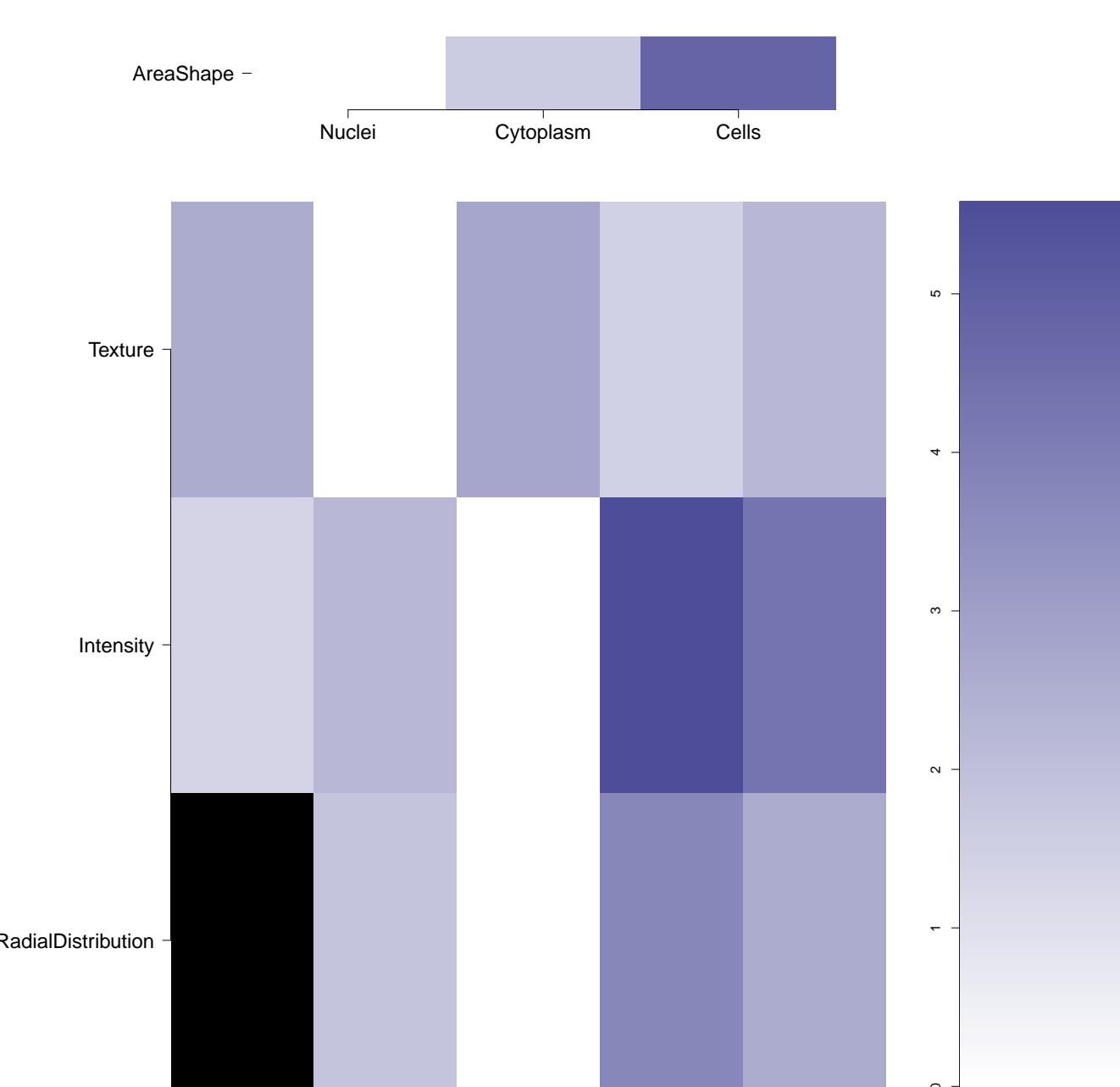
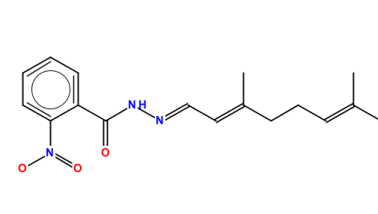
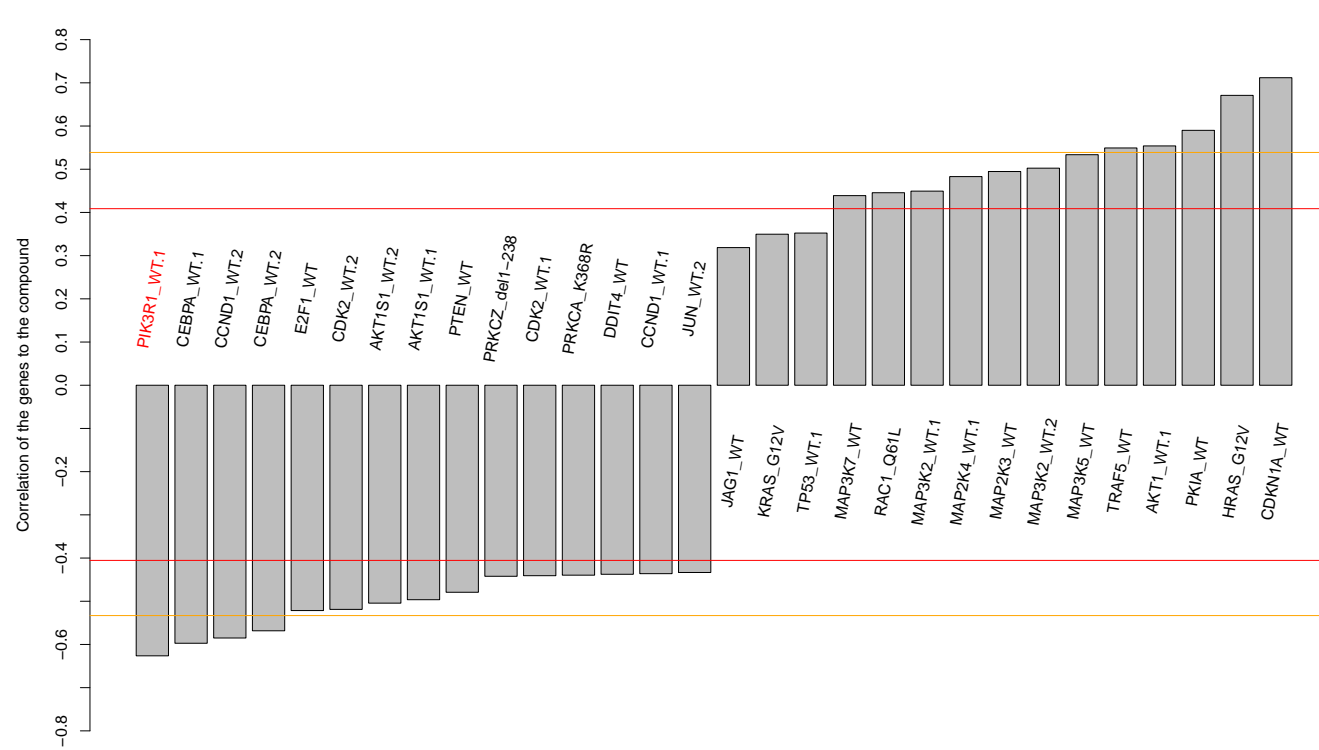
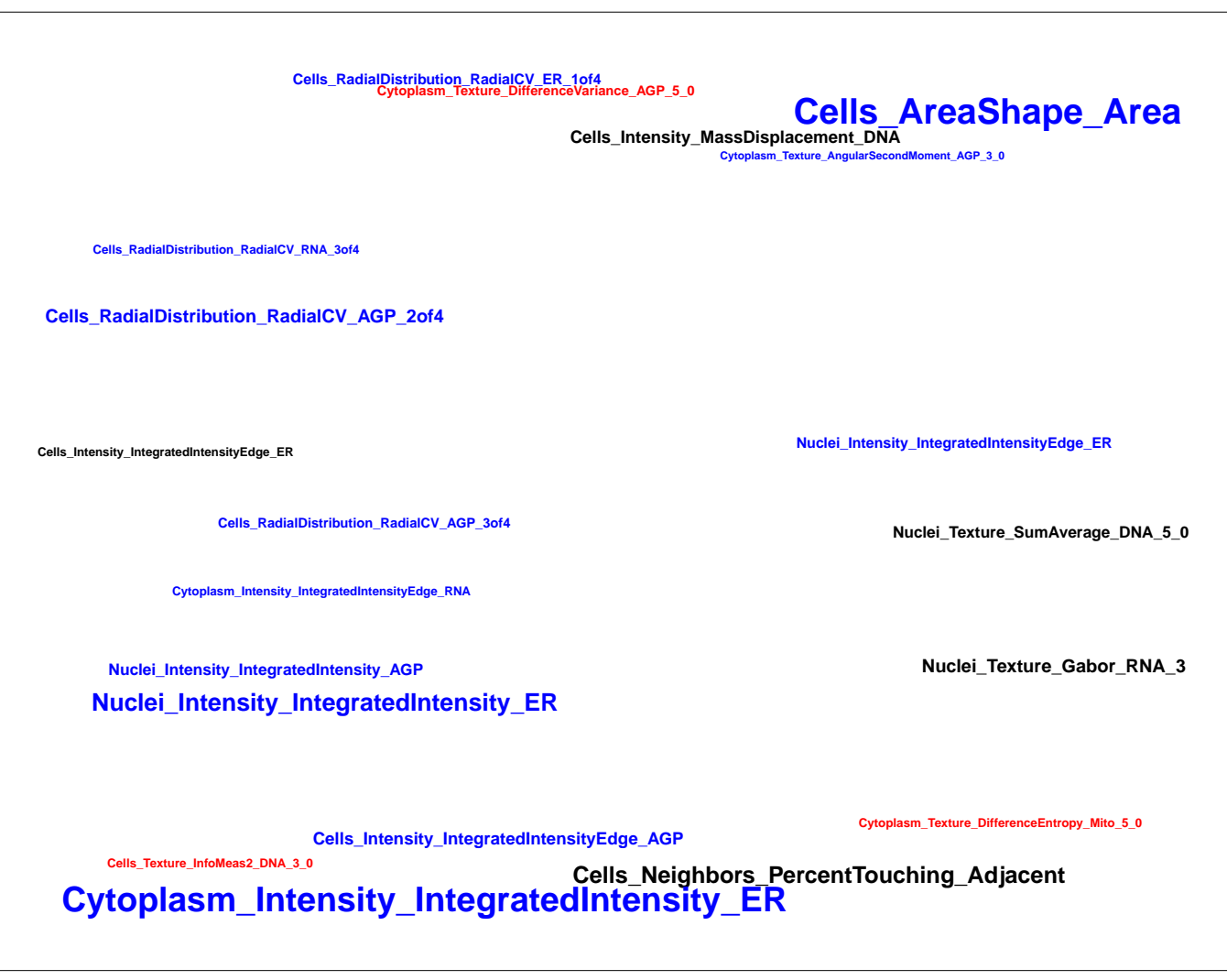


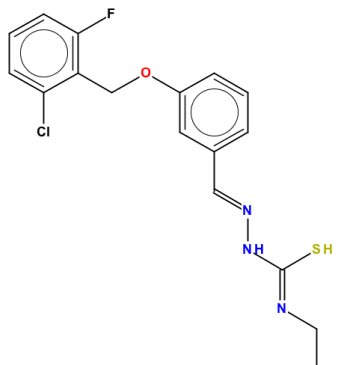
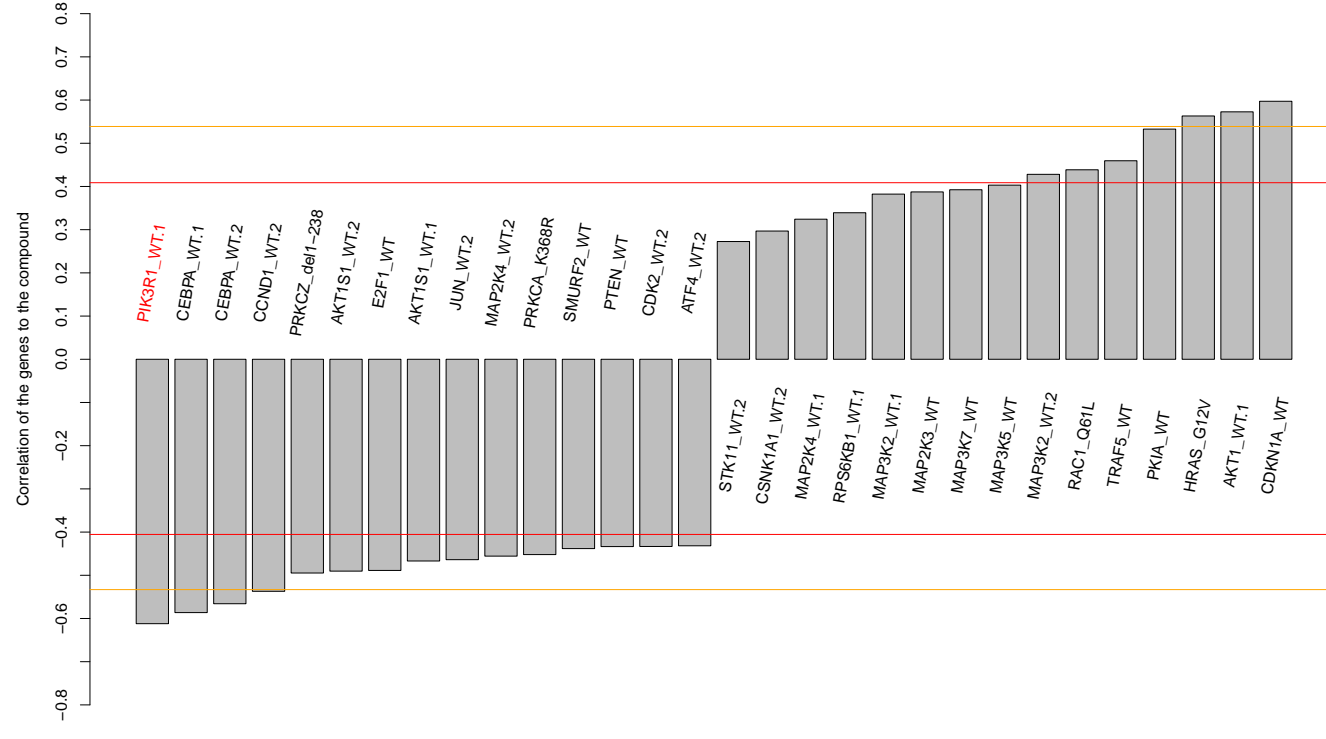

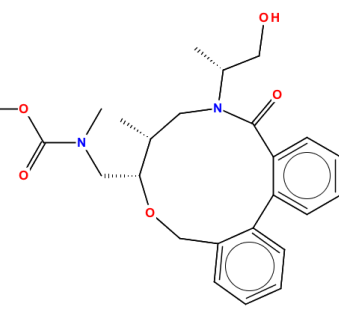

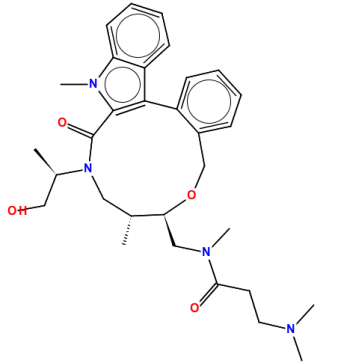
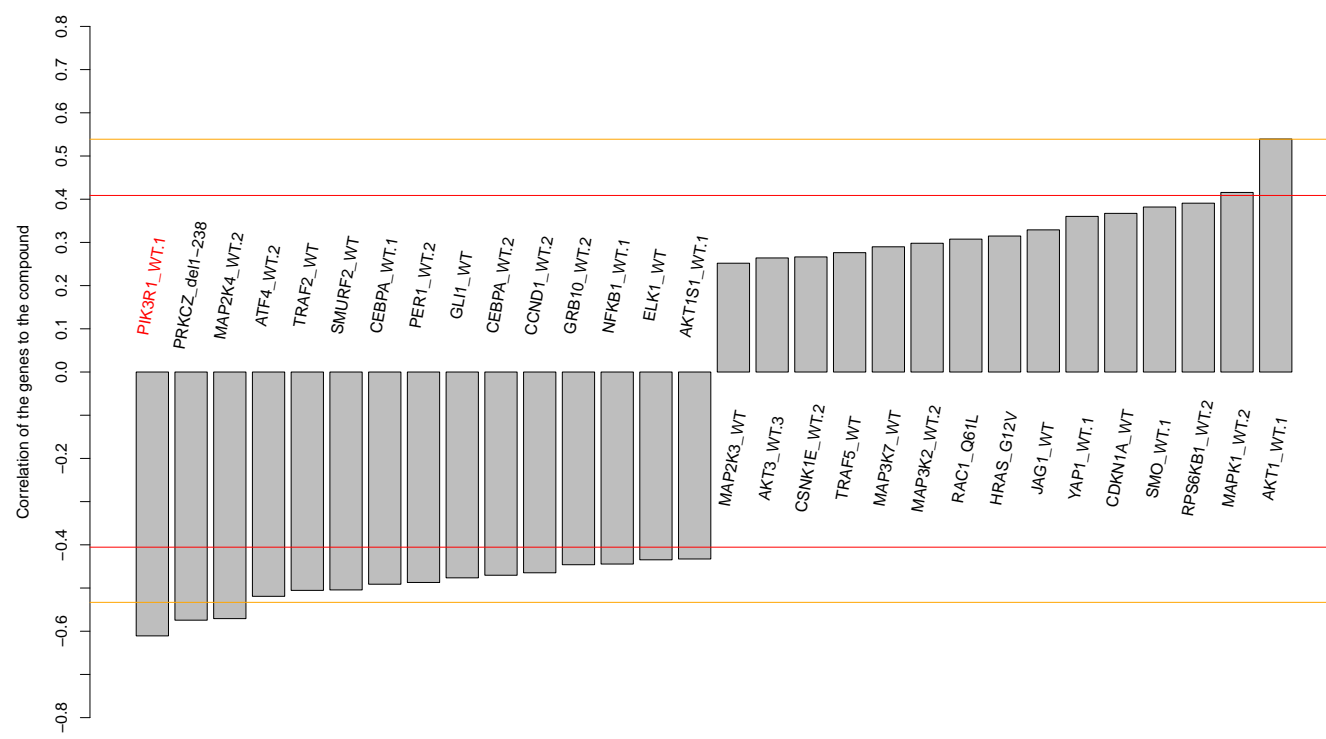
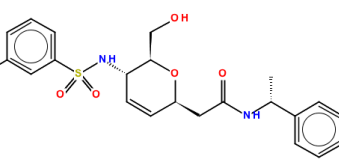
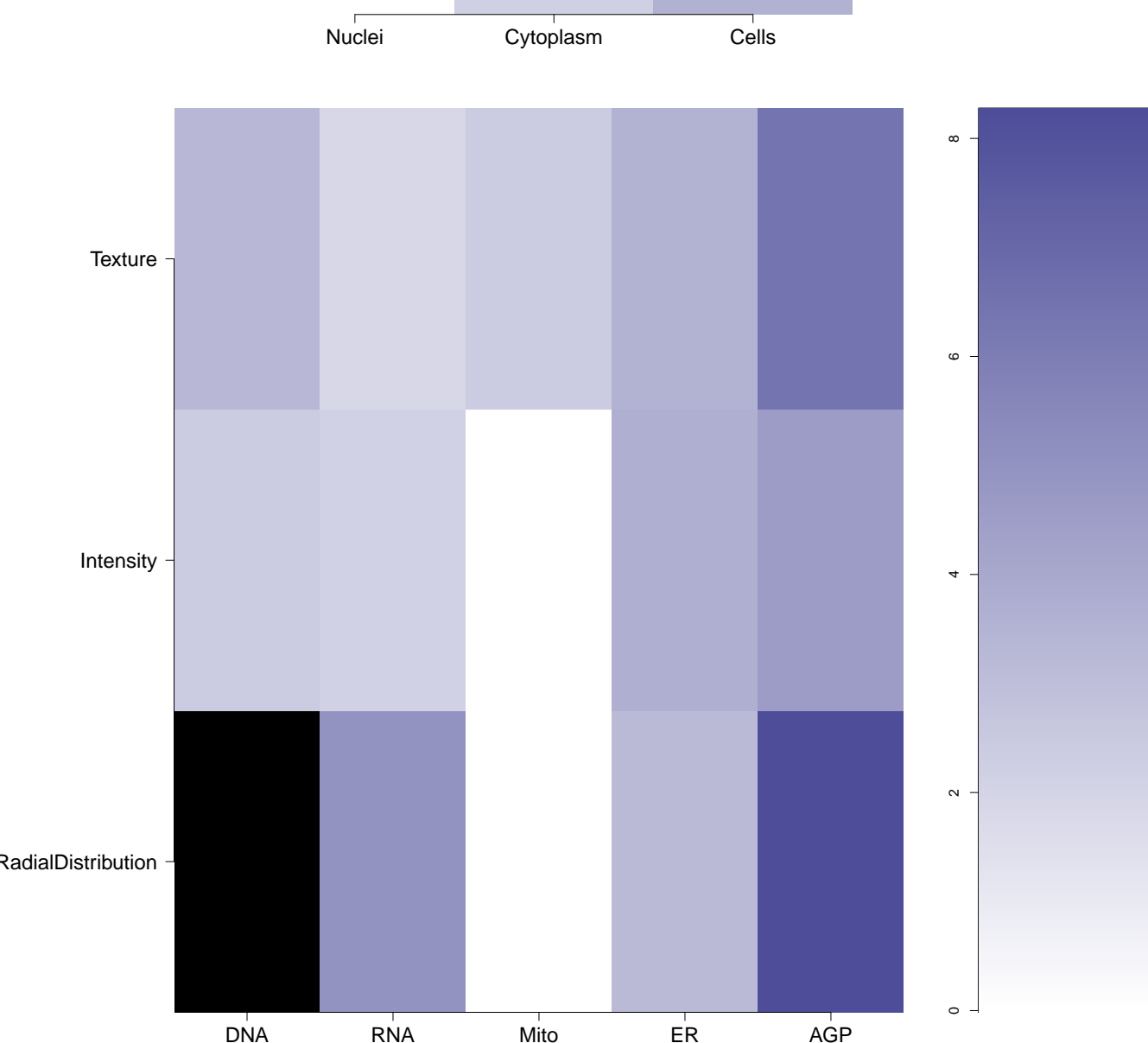

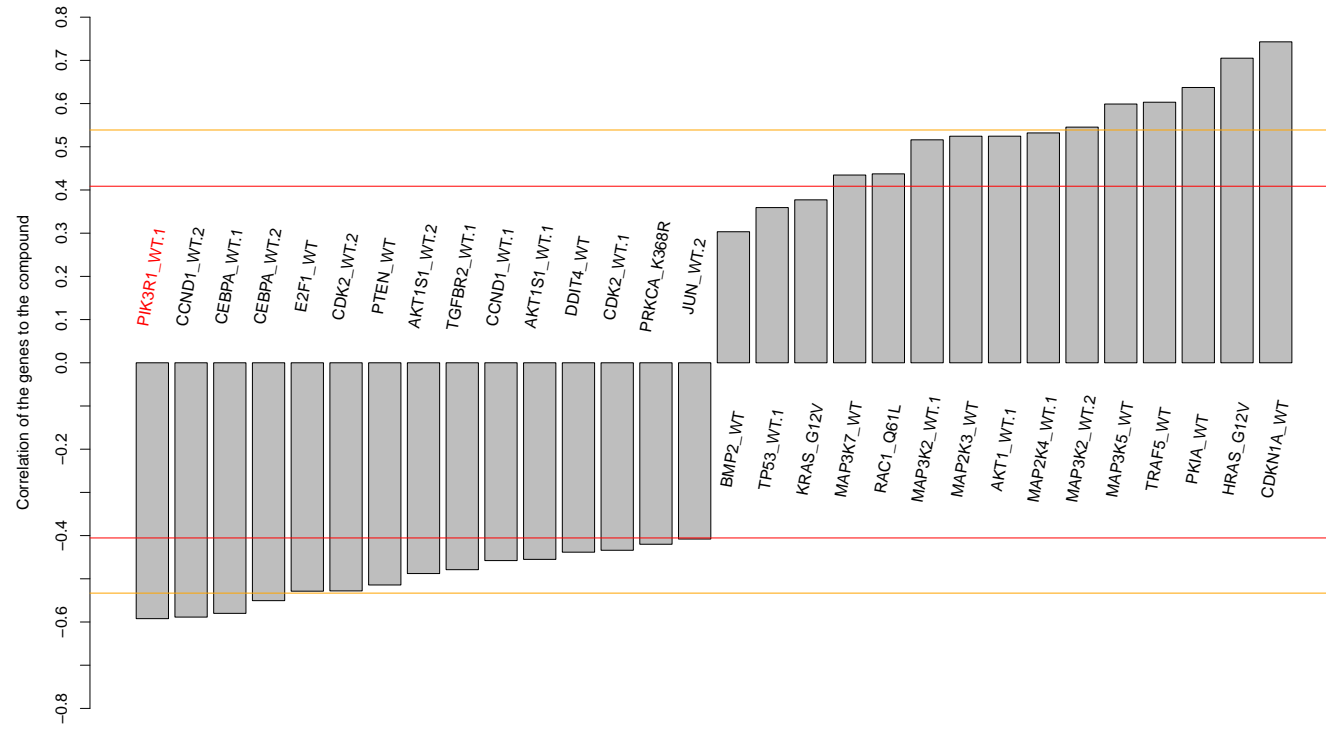
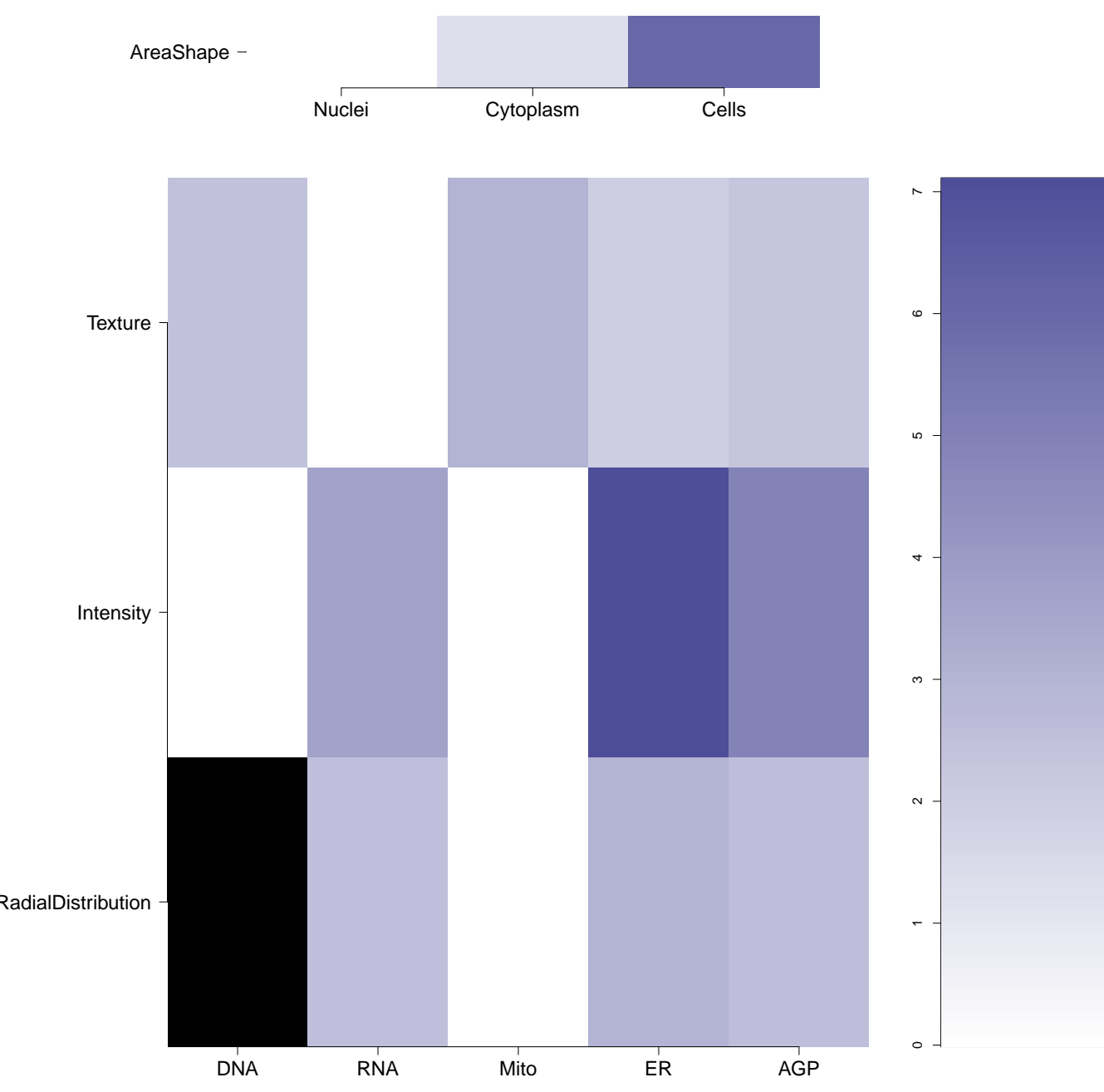
DNA



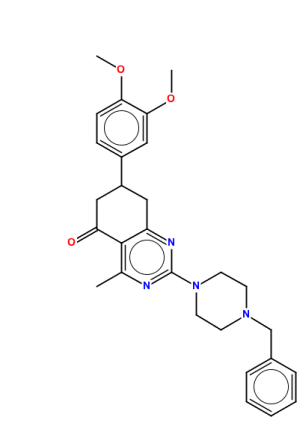
Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.52)	Correlation between compound 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-K42302256-001-05-5 ST066562 AC1LJLFJ MLS000063378 HMS2326M19 ZINC618070 STK126946 BAS 06743063 SMR000075100 PubChem CID : 976041		NA (in 1 replicates)	0.70	NA				<p>Total number of assays tested in: 777. Active in the following assays:</p> <ul style="list-style-type: none"> • qHTS Assay for Inhibitors of HADH2 (Hydroxyacyl-Coenzyme A Dehydrogenase, Type II) (AID 886) • qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
BRD-K23946230-001-07-9 MLS000771305 SMR000344440 AC1NIKDQ BDBM72613 HMS2772C18 PubChem CID : 4832471		NA (in 1 replicates)	0.62	NA				<p>Total number of assays tested in: 572. Active in the following assays:</p> <ul style="list-style-type: none"> • HCS to Identify Inhibitors of Dynein Mediated Cargo Transport on Microtubules: (AID 1381) • qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) • Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) • A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) • qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) • Luminescence Cell-Based Dose Retest to Identify Potentiators of Heat Shock Factor 1 (HSF1) (AID 435004) • HCS to Identify Inhibitors of Dynein Mediated Cargo Transport on Microtubules: Confirmation Assay (AID 463116) • HTS-Luminescent assay for inhibitors of ALR by detection of hydrogen peroxide production Measured in Biochemical System Using Plate Reader - 2036-01-Inhibitor:SinglePoint.HTS Activity (AID 485317) • qHTS Inhibitors of AmpC Beta-Lactamase (assay without detergent) (AID 485341) • Heat Shock Factor-1 (HSF-1) Measured in Cell-Based System Using Plate Reader - 2038-01-Activator:SinglePoint.HTS Activity (AID 504408) • Sustained Induction of HSF-1 Measured in Cell-Based System Using Plate Reader - 2038-07-Activator:Dose.CherryPick.Activity (AID 602296) • A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296) • qHTS of TDP-43 Inhibitors (AID 652104) • Primary biochemical fluorescence polarization-based high throughput screening assay to identify inhibitors of protein arginine methyltransferase 1 (PRMT1) (AID 652257) • 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) • Fluorescence polarization-based biochemical high throughput confirmation assay to identify inhibitors of protein arginine methyltransferase 1 (PRMT1) (AID 687036) • MLPCN PGC1a Modulators Measured in Cell-Based System Using Plate Reader - 2139-01-Activator:Dose.CherryPick.Activity.Set6 (AID 726513) • QFRET-based biochemical high throughput primary assay to identify inhibitors of human group III secreted phospholipase A2 enzyme (HGIII-sPLA2) (AID 743126) • Development of Small Molecule Probes of the Histone Methyltransferase, NSD2 Measured in Biochemical System Using Plate Reader - 7053-01-Inhibitor:SinglePoint.HTS Activity.Set2 (AID 743445)
BRD-K20192397-001-01-5 PubChem CID : 44490468		0.75 (in 4 replicates)	0.62	NA				<p>Total number of assays tested in: 43.</p>
BRD-K50700495-001-05-0 ZINC03217226 MLS000569421 AC1M5TOT HMS1399C03 HMS2313L04 ZINC3217226 SMR000155025 T0505-7968 PubChem CID : 2335893		NA (in 1 replicates)	0.59	NA				<p>Total number of assays tested in: 696. Active in the following assays:</p> <ul style="list-style-type: none"> • High Content Assay for Compounds that inhibit the Assembly of the Perinuclear Compartment (AID 2417) • Primary cell-based high-throughput screening for identification of compounds that antagonize MrgX1 receptor signaling (AID 588676)
BRD-K40543019-001-01-3 PubChem CID : 54649000		0.65 (in 2 replicates)	0.59	0.150				<p>Total number of assays tested in: 36.</p>
BRD-K92682487-001-01-9 PubChem CID : 54619942		0.57 (in 4 replicates)	0.56	NA				<p>Total number of assays tested in: 36.</p>

BRD-K53349319-001-01-6 PubChem CID : 54632181		0.54 (in 4 replicates)	0.55	0.724				Total number of assays tested in: 36.
BRD-K84802956-001-01-5 PubChem CID : 54640360		0.73 (in 4 replicates)	0.55	0.100				Total number of assays tested in: 36.
BRD-K42136676-001-05-9 AC1LJ3M9 MLS000588280 HMS2542120 ZINC5819375 STK361603 ZINC05819375 SMR000212094 EU-0073050 ST50807812 F1001-0013 PubChem CID : 916344		NA (in 1 replicates)	0.55	NA				Total number of assays tested in: 654. Active in the following assays: <ul style="list-style-type: none"> qHTS Assay for Modulators of miRNAs and/or Inhibitors of miR-21 (AID 2289) Elucidation of physiology of non-replicating, drug-tolerant Mycobacterium tuberculosis (AID 488890) qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) Luminescence-based biochemical primary high throughput screening assay to identify inhibitors of Trypanosoma brucei methionyl tRNA synthetase (MetRS) (AID 624268) Luminescence-based biochemical high throughput confirmation assay for inhibitors of Trypanosoma brucei methionyl tRNA synthetase (MetRS) (AID 624412) Fluorescent Polarization-based biochemical high throughput orthogonal assay for inhibitors of Trypanosoma brucei methionyl tRNA synthetase (MetRS) (AID 651607) HTS for PAX8 inhibitors using PAX8 luciferase reporter gene assay in RMG-1 cells Measured in Cell-Based System Using Plate Reader - 7054-01 Inhibitor-SinglePoint.HTS Activity (AID 652154)
BRD-K12091863-001-01-4 PubChem CID : 54618535		0.58 (in 4 replicates)	0.54	0.140				Total number of assays tested in: 31.
BRD-K75977772-001-05-9 MLS000756489 NSC205913 AC1N1LYV ZINC5580712 ZINC05580712 NSC-205913 SMR000528759 PubChem CID : 4007404		NA (in 1 replicates)	-0.68	NA				Total number of assays tested in: 565. Active in the following assays: <ul style="list-style-type: none"> MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) Cyclodextride Countercreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364) qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) qHTS of Nrf2 Activators (AID 624171) 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) Luminescence-based cell-based primary high throughput screening assay to identify activators of the DAF-12 from the parasite S. stercorealis (sdDAF-12) (AID 652126) Countercreen for activators of the function of SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2, BRM): Luminescence-based cell-based high throughput screening assay to identify non-selective compounds using the VP16 reporter assay (AID 680939)
BRD-K56431031-001-05-7 MLS000588411 AC1LTTVN HMS2537A04 ZINC1470316 STK810003 ZINC01470316 SMR000212182 ST50042501 T0511-7175 PubChem CID : 1540074		0.85 (in 4 replicates)	-0.66	0.276				Total number of assays tested in: 662. Active in the following assays: <ul style="list-style-type: none"> Multiplexed high-throughput screen for small molecule regulators of Bcl-2 family protein interactions, specifically Bim-Mcl-1 (AID 1009) qHTS for Inhibitors of Tau Fibril Formation, Fluorescence Polarization (AID 1468) HTS Assay for Peg3 Promoter Inhibitors (AID 588405) uHTS identification of inhibitors of NaDd in a Colorimetric assay (AID 602399) uHTS identification of small molecule activators of alpha dystroglycan glycosylation (AID 624168) A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 621296) uHTS identification of inhibitors of cullin neddylation in a TR-FRET assay (AID 651699)
BRD-K73322901-001-05-4 SMR000160543 AC1OBL0L MLS000545992 ARONIS018840 STK018959 ZINC15985781 PubChem CID : 6875560		0.82 (in 4 replicates)	-0.63	NA				Total number of assays tested in: 654. Active in the following assays: <ul style="list-style-type: none"> Leishmania major promastigote HTS (AID 1063) VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546) qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) uHTS identification of small molecule inhibitors of Plasmodium falciparum Glucose-6-phosphate dehydrogenase via a fluorescence intensity assay (AID 604690) Luminescence-based cell-based primary high throughput screening assay to identify activators of the GAAS90 frataxin (FXN) promoter (AID 540364)

BRD-K81217287-001-06-8 ACIOBKXP MLS000704214 STL380412 ZINC33286712 SMR000228453 PubChem CID : 6875392		0.74 (in 4 replicates)	-0.61	NA				<p>Total number of assays tested in: 652. Active in the following assays:</p> <ul style="list-style-type: none"> Chemical Genetic Screen to Identify Inhibitors of Mitochondrial Fusion - Primary Screen (AID 1302) 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) VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546) qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) nHTS identification of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463190) qHTS identification of small molecule inhibitors of tim10 yeast via a luminescent assay (AID 463195) Single concentration confirmation of small molecule inhibitors of tim10-4 yeast via a luminescent assay (AID 463213) Single concentration confirmation of small molecule inhibitors of tim10 yeast via a luminescent assay (AID 463215) nHTS identification of small molecule inhibitors of Plasmodium falciparum Glucose-6-phosphate dehydrogenase via a fluorescence intensity assay (AID 504600) qHTS for Inhibitors of binding or entry into cells for Lassa Virus (AID 540256) qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417) Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human trace amine associated receptor 1 (TAAR1) (AID 624466) qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)
BRD-K95213130-001-01-1 PubChem CID : 54638094		0.80 (in 3 replicates)	-0.61	0.058				<p>Total number of assays tested in: 37.</p>
BRD-K95324394-001-01-1 PubChem CID : 54638016		0.67 (in 3 replicates)	-0.61	0.276				<p>Total number of assays tested in: 38. Active in the following assays:</p> <ul style="list-style-type: none"> FRET-based HTS for detection of RAD52 Inhibitors Measured in Biochemical System Using Plate Reader - 7018-01.Inhibitor.SinglePoint.HTS.Activity.Set2 (AID 651710)
BRD-K69521416-001-01-4 PubChem CID : 54640966		0.85 (in 4 replicates)	-0.60	0.276				<p>Total number of assays tested in: 41.</p>
BRD-K96758498-001-05-1 ACIOC6NN MLS000727948 T603E STK415566 ZINC33287659 SMR000306642 ST016350 PubChem CID : 6895184		0.90 (in 4 replicates)	-0.59	0.264				<p>Total number of assays tested in: 620. Active in the following assays:</p> <ul style="list-style-type: none"> Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932) Counter Screen for Luciferase-based Primary Inhibition Assays (AID 1006) Primary Cell-based High Throughput Screening Assay for Inhibitors of Wee1 Degradation (AID 1321) qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458) MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) Colorimetric Assay for Inhibitors for NALP1 (AID 2071) Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) qHTS Assay for Rab9 Promoter Activators (AID 485297) qHTS Assay for NPC1 Promoter Activators (AID 485313) Luminescence-based primary cell-based high throughput screening assay to identify inhibitors of the orphan nuclear receptor subfamily 0, group B, member 1 (DAX1; NR0B1) (AID 504766) qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) 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) Counterscreen for inhibitors of 5-mCpG-binding domain protein 2 (MBD2): TRFRET-based biochemical primary high throughput screening assay to identify inhibitors of binding of ubiquitin-like with PHD and ring finger domains 1 (UHRF1) to methylated oligonucleotide (AID 687016) Wnt/Beta-catenin HTS Measured in Cell-Based System Using Plate Reader - 2161-01.Activator.SinglePoint.HTS.Activity (AID 743398)

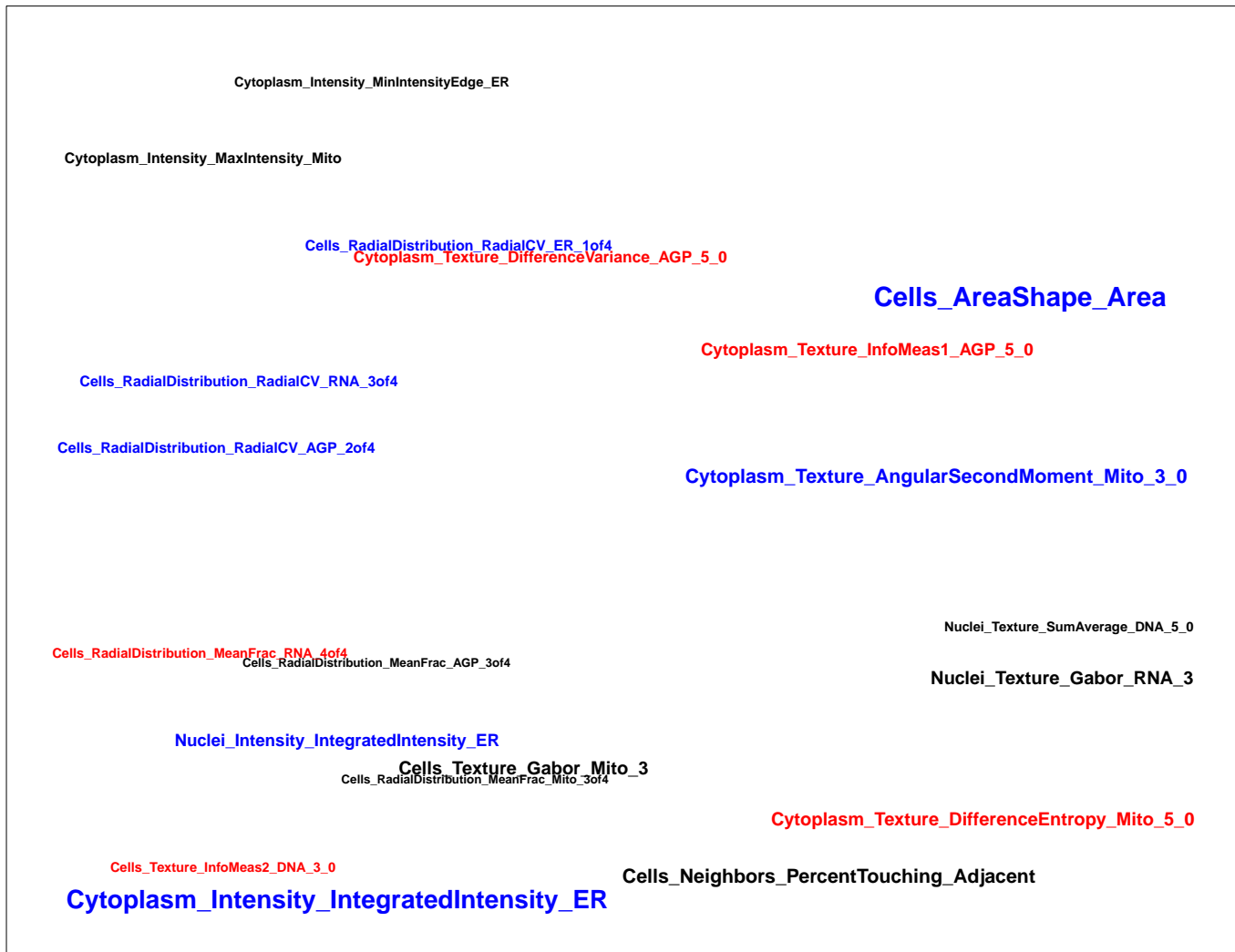
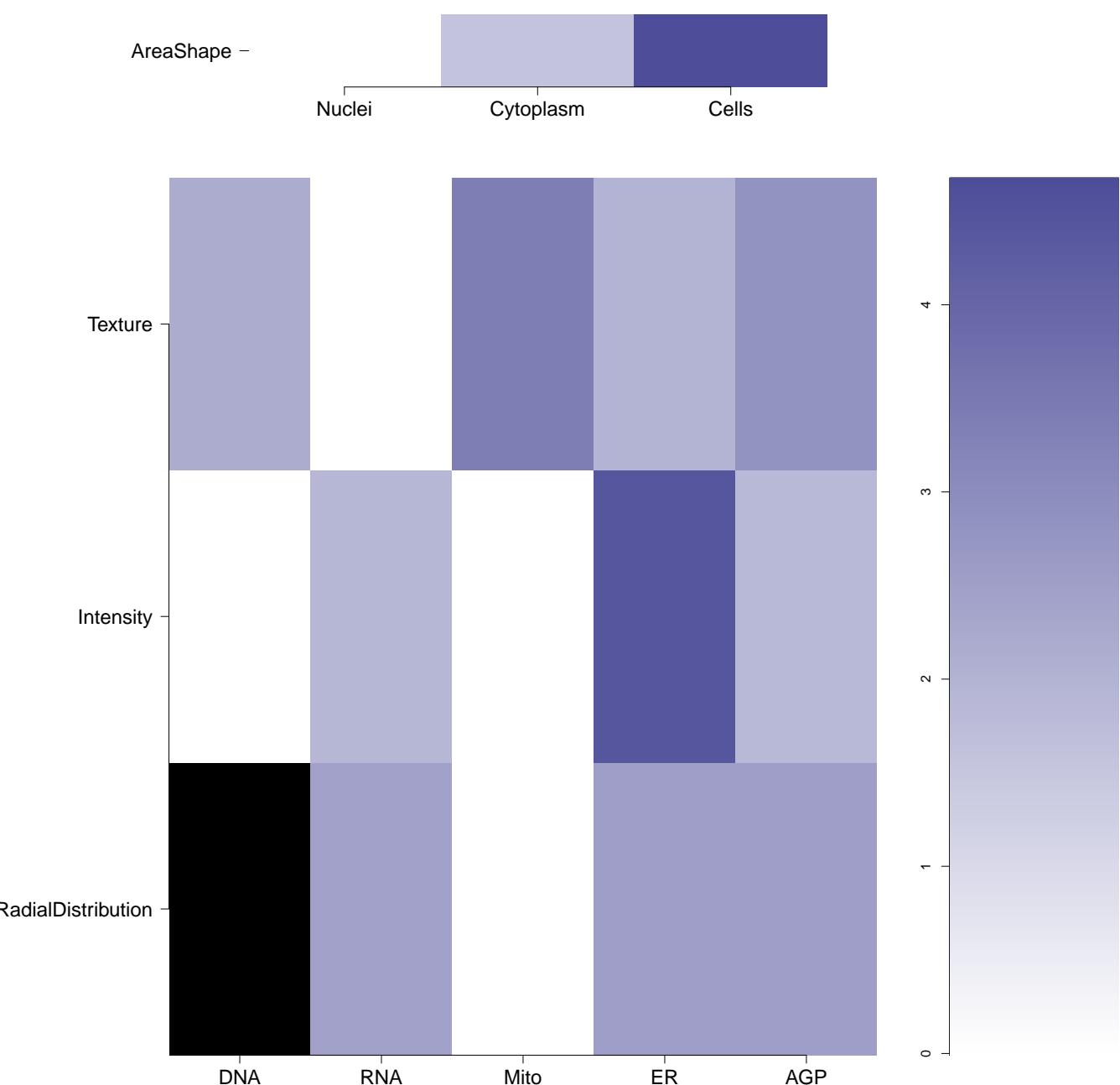
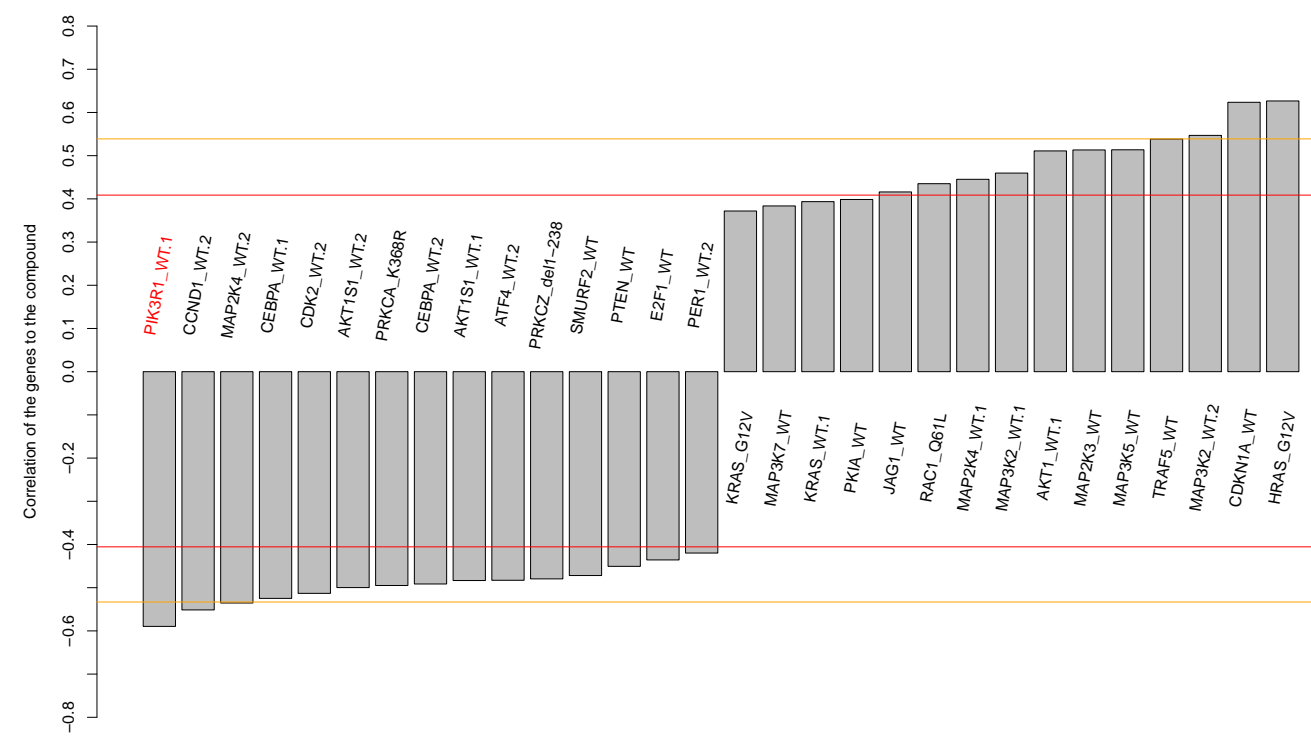
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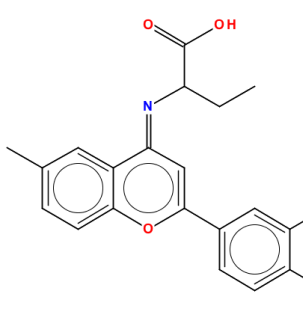
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- Total number of assays tested in: 775. Active in the following assays:
- CYP2C9 Assay (AID 777)
 - CYP2C19 Assay (AID 778)
 - qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)
 - Luminescence Cell-Based/Microorganism Primary 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)
 - qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)
 - Nrf2 qHTS screen for inhibitors (AID 504444)
 - Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 48 hour incubation (AID 504832)
 - Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 96 hour incubation (AID 504834)
 - qHTS for Inhibitors of binding or entry into cells for Lassa Virus (AID 540256)
 - qHTS for inhibitors of binding or entry into cells for Marburg Virus (AID 540276)
 - Primary cell-based high-throughput screening for identification of compounds that inhibit/block calcium-activated chloride channels (TMEM16A) (AID 588511)
 - qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
 - Re-confirmation assay for identification of compounds that inhibit/block calcium-activated chloride channels (TMEM16A) (AID 652189)
 - Luminescence-based cell-based primary high throughput screening assay to identify inhibitors of COUP-TFII (NR2F2) (AID 686940)
 - 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)
 - Luminescence-based cell-based high throughput confirmation assay to identify inhibitors of COUP-TFII (NR2F2) (AID 687088)
 - High Throughput Screening for Foot and Mouth Disease Virus Antivirals (AID 1159524)

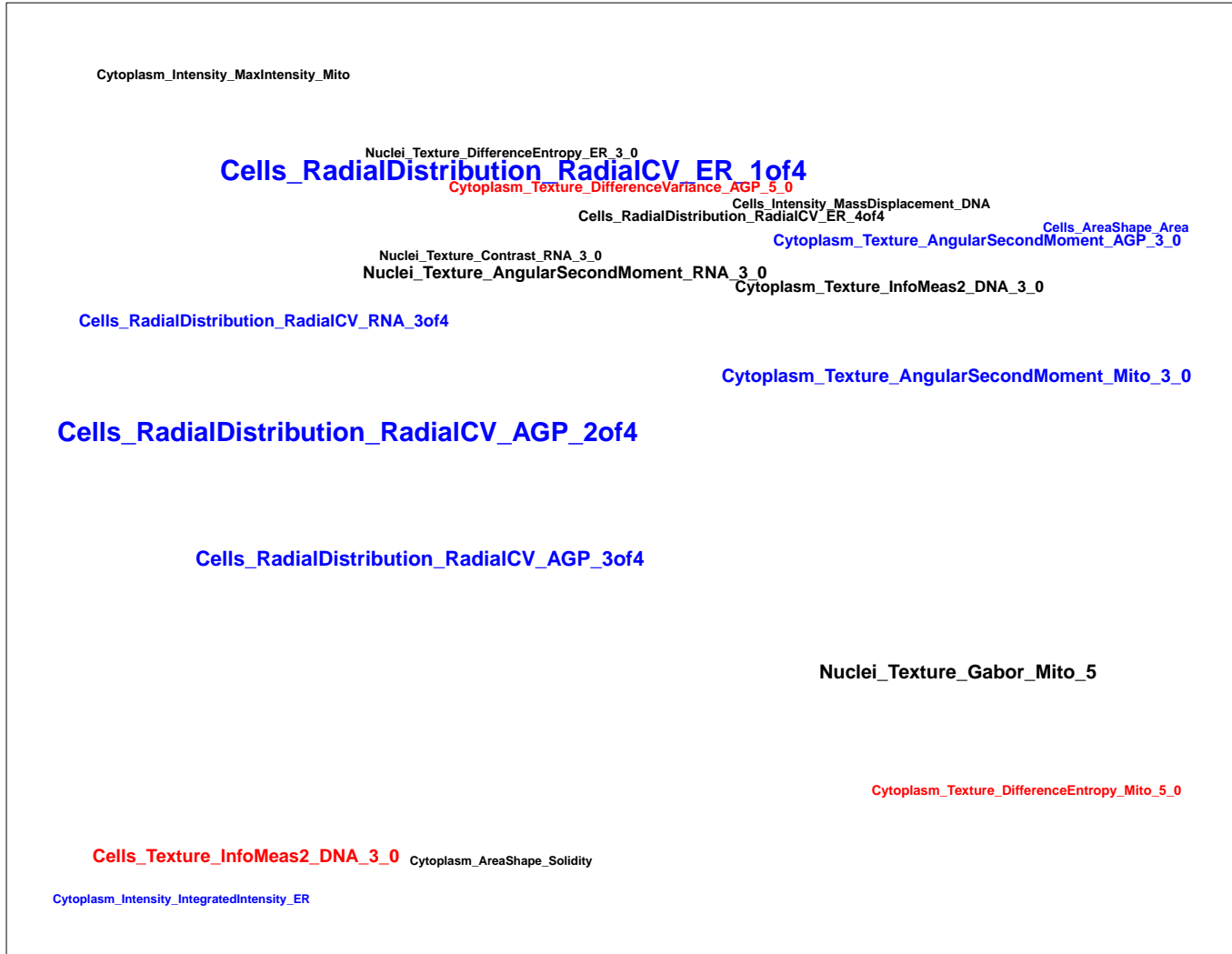
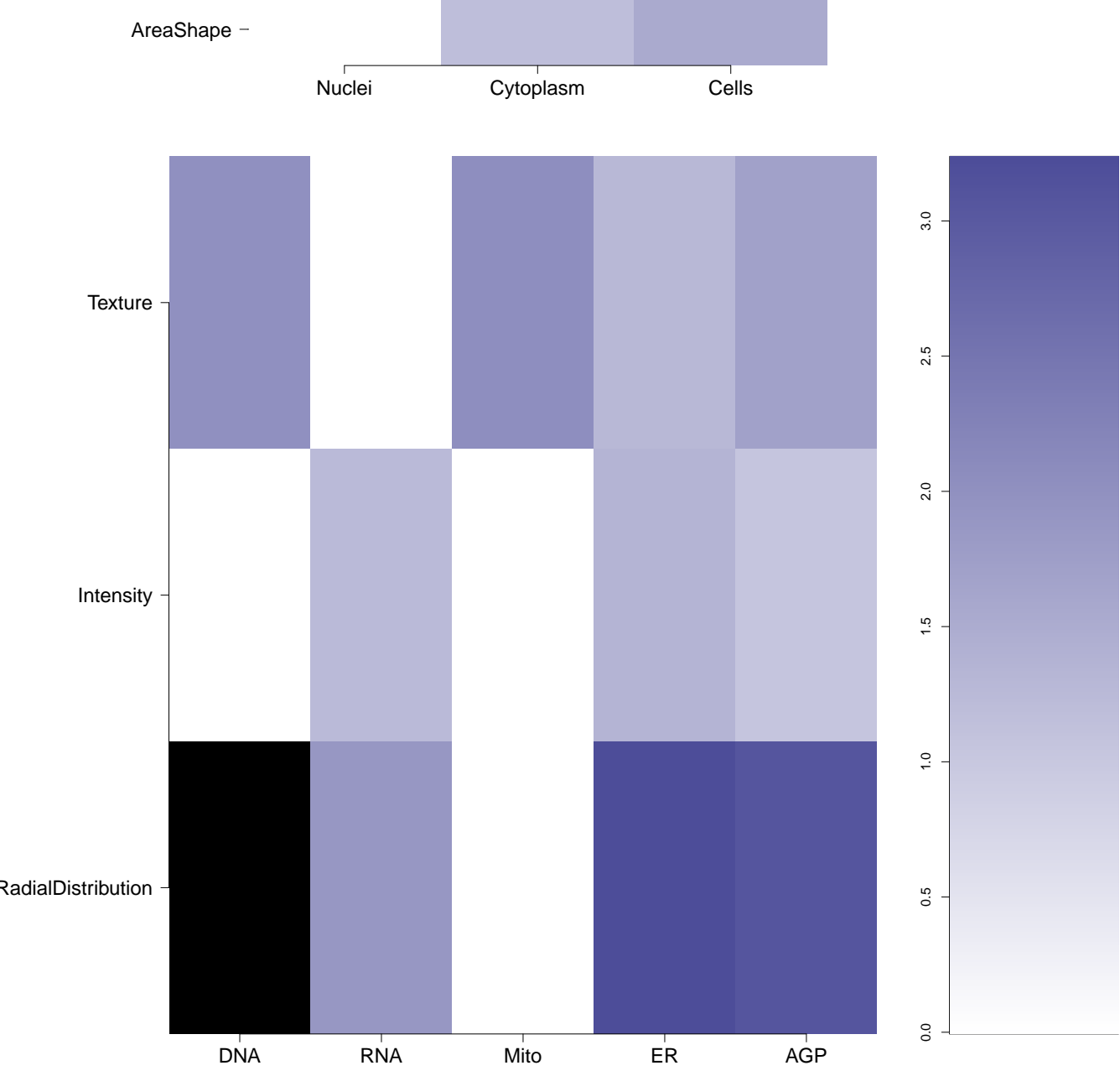
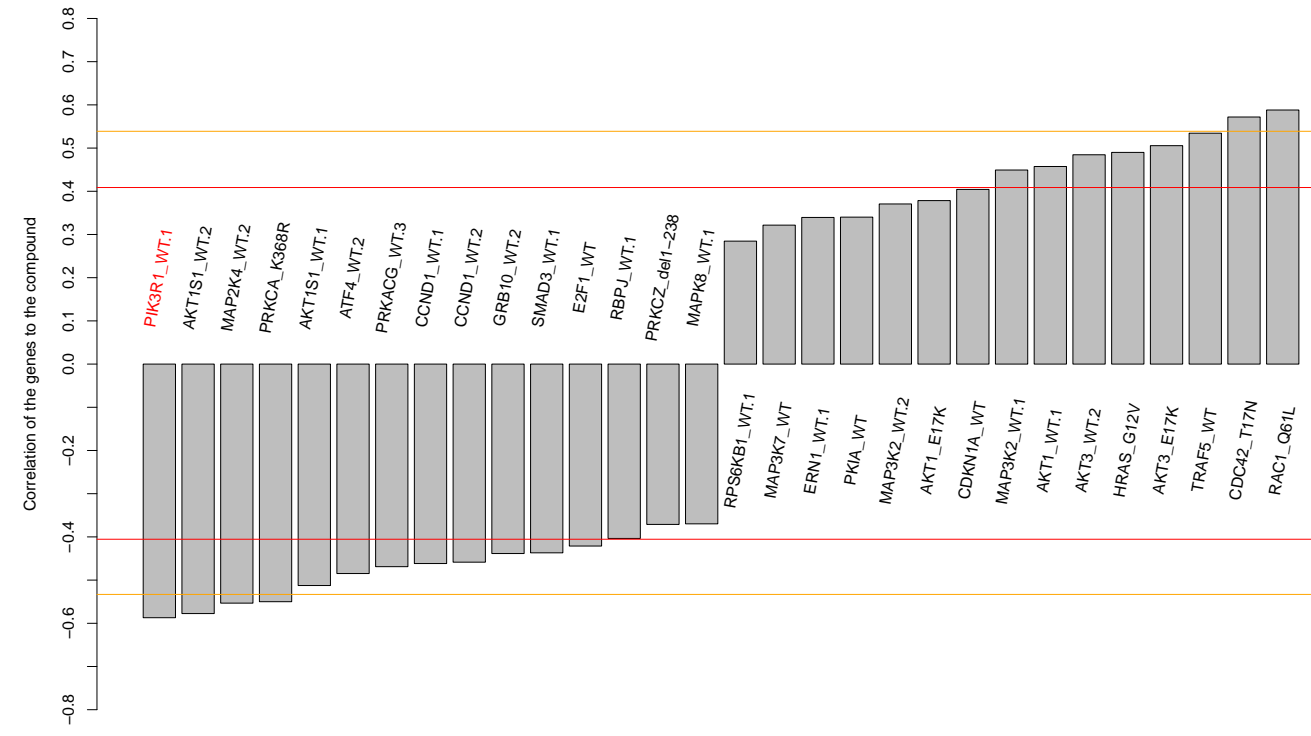
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956370-25-5
PubChem CID : 3749969



NA (in 1 replicates)

-0.59

NA



- Total number of assays tested in: 651. Active in the following assays:
- Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
 - Confirmatory screen for compounds that activate the Choline Transporter (CHT) (AID 504833)
 - Counter screen assay of the parental HEK293 cells for compounds that activate the Choline Transporter (CHT) (AID 623938)
 - DENV2 CPE-Based HTS Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2149-01-Other.SinglePoint.HTS.Activity (AID 651640)
 - 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)