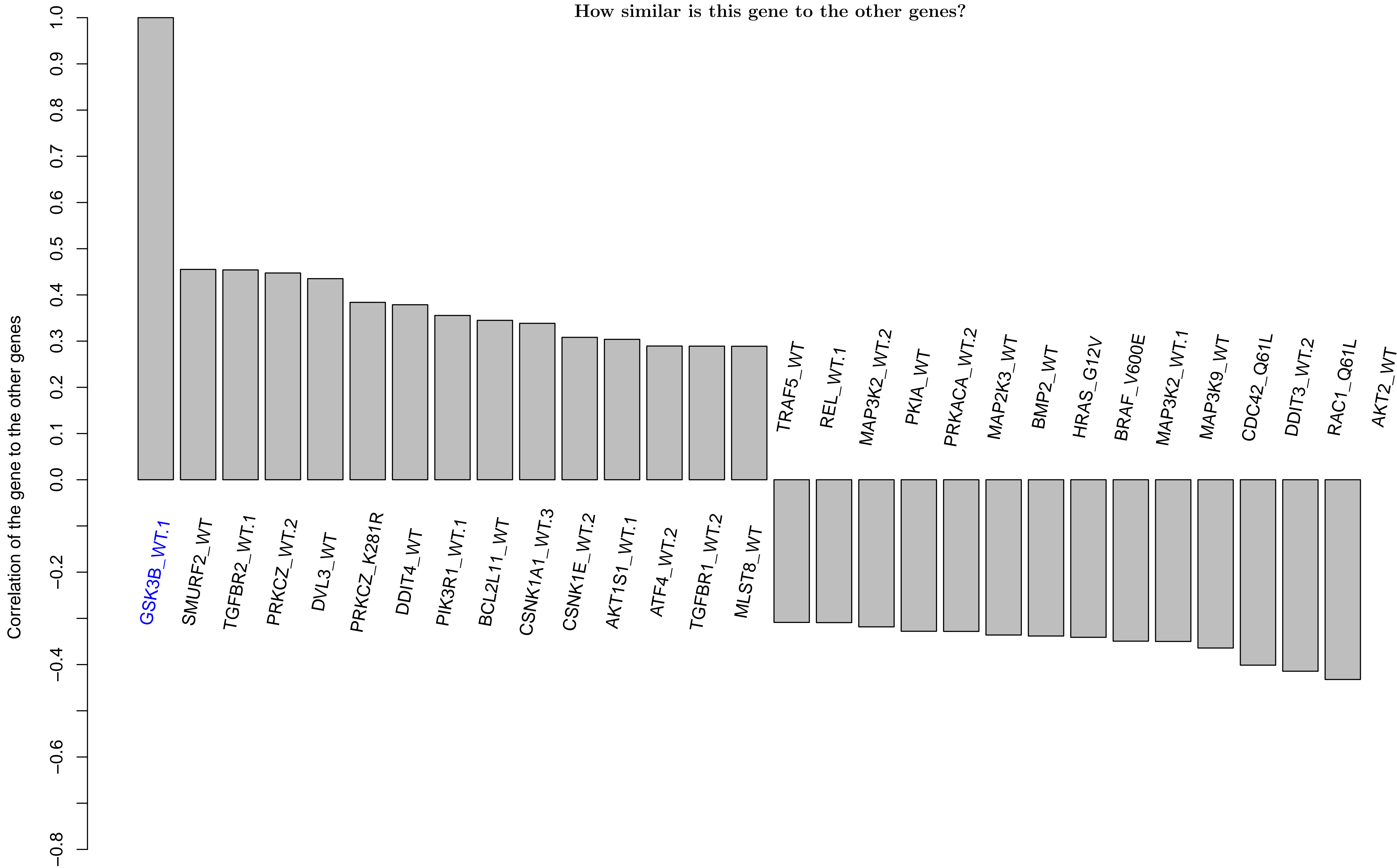
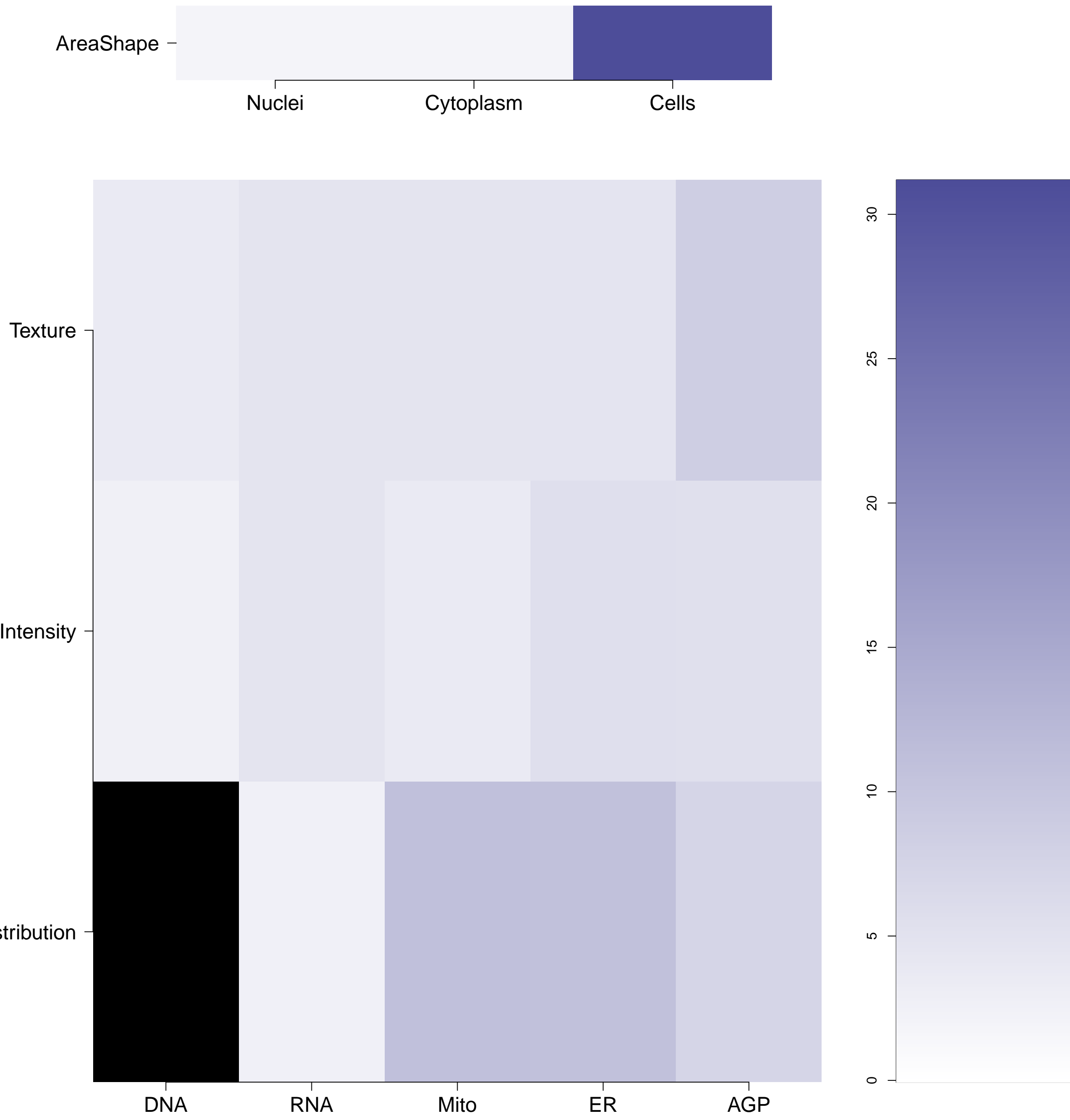


GSK3B.WT.1 - in Canonical WNT

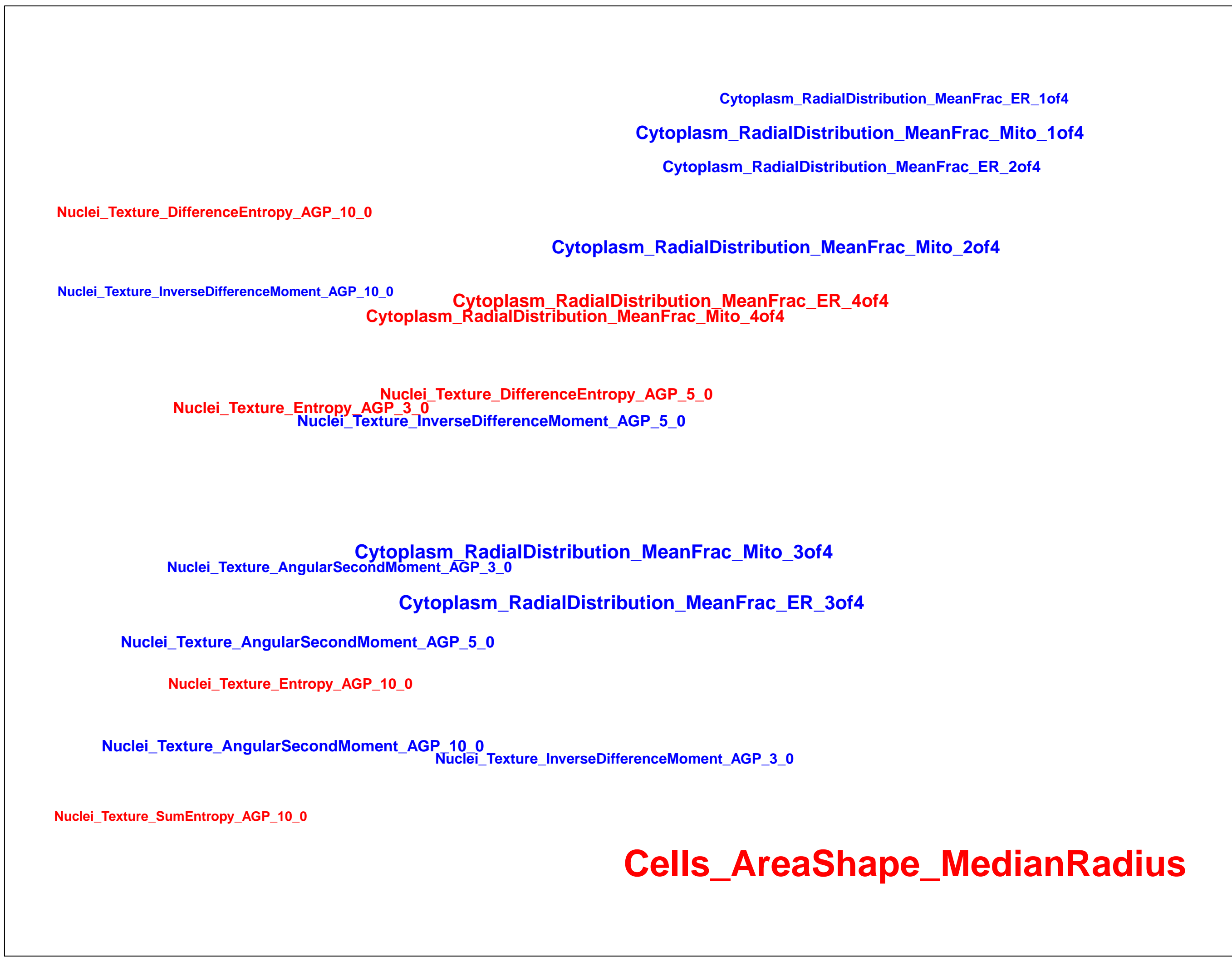
How similar is this gene to the other genes?



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

GSK3B.WT.1 (41744)

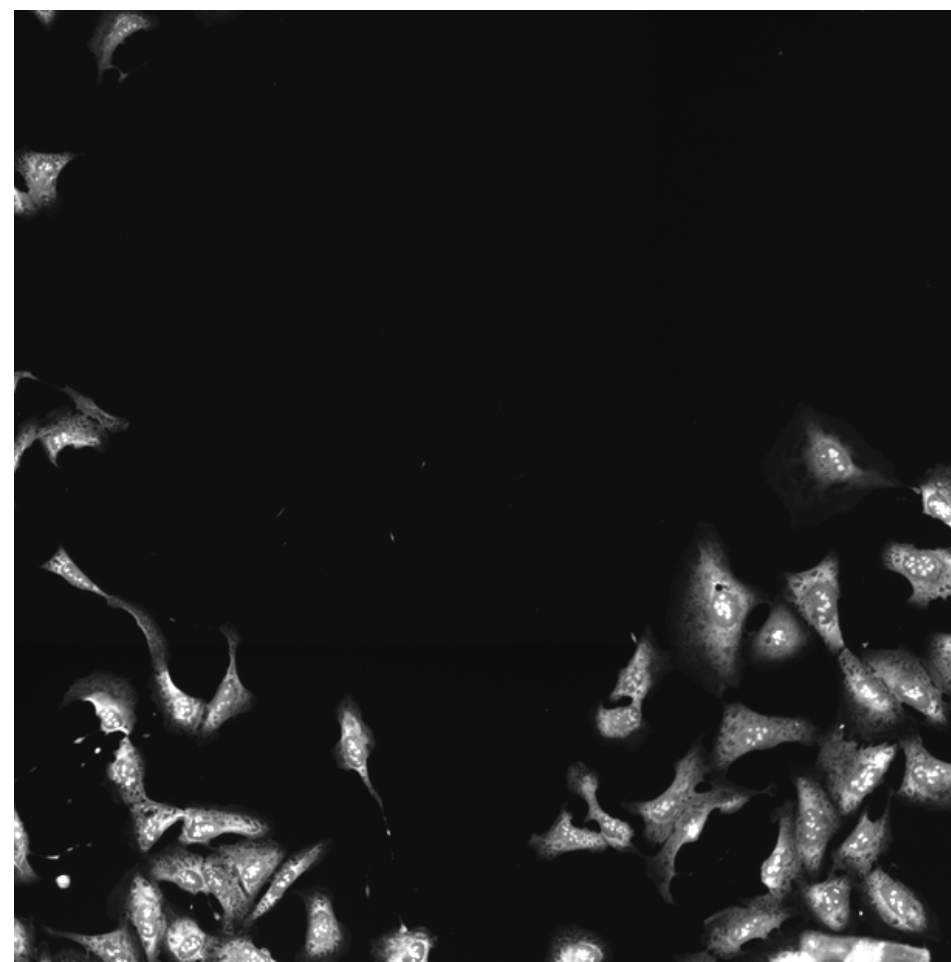
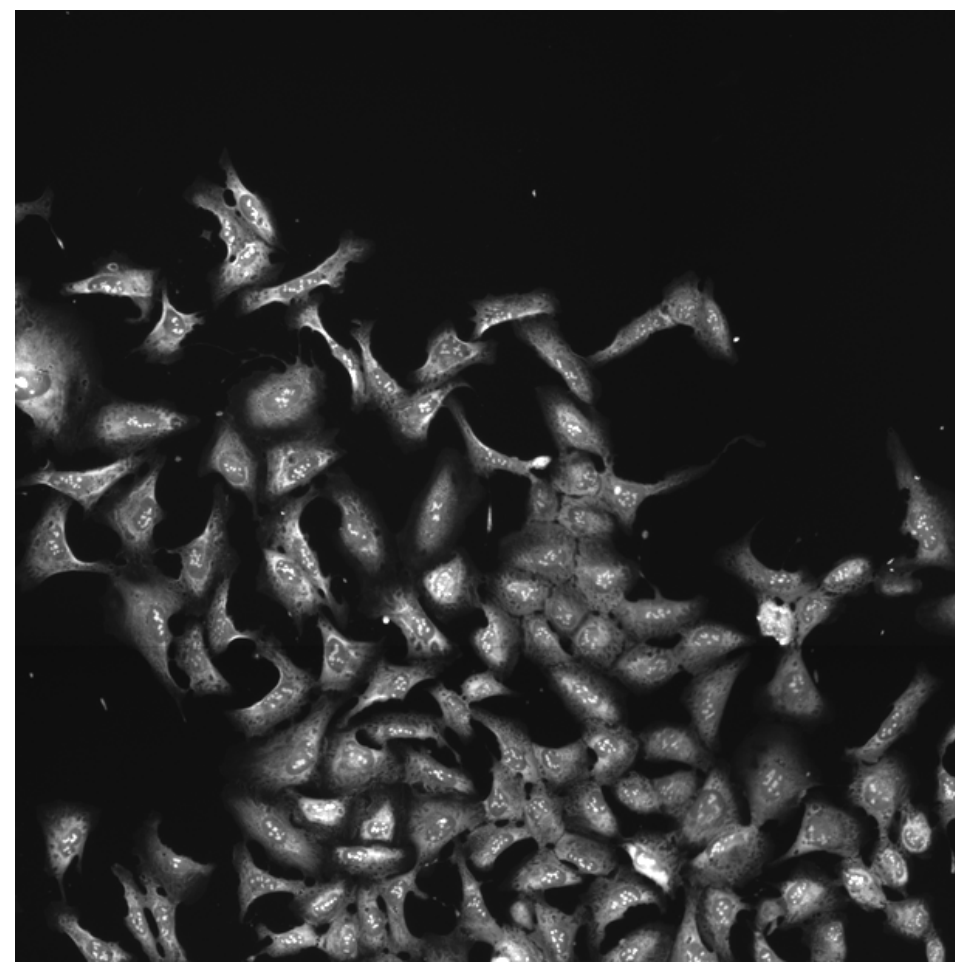
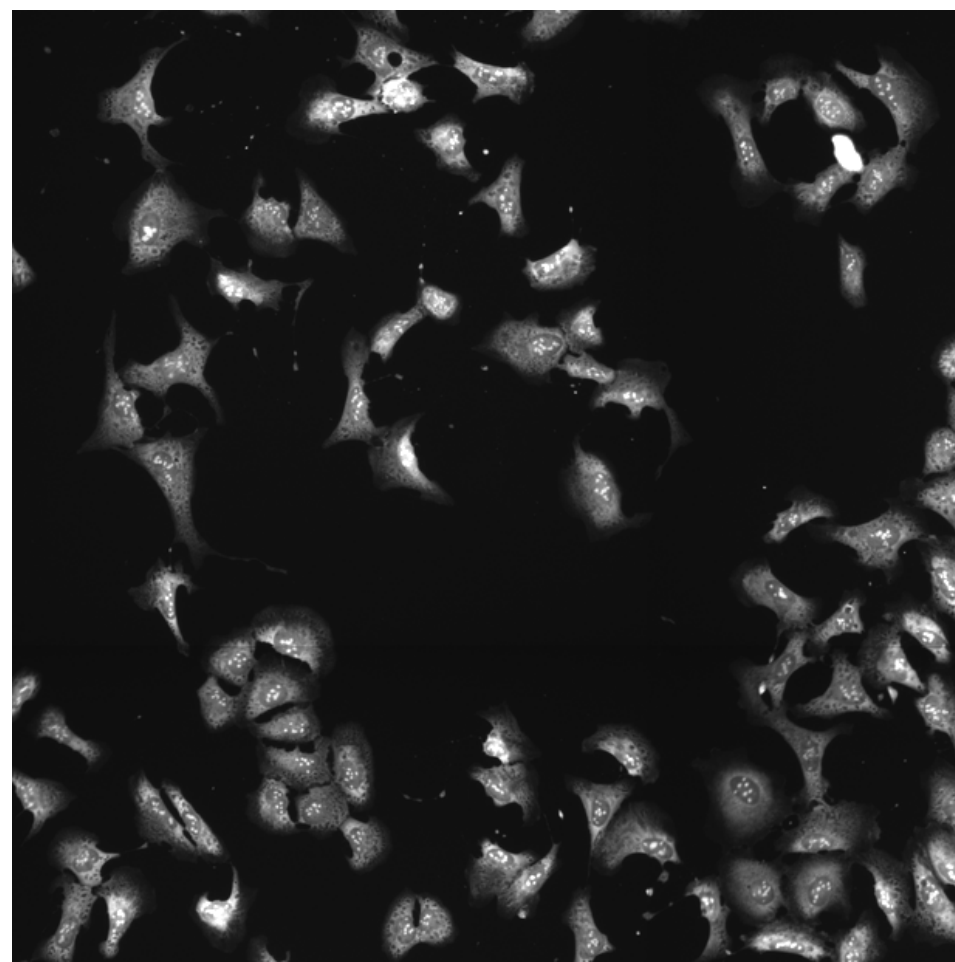
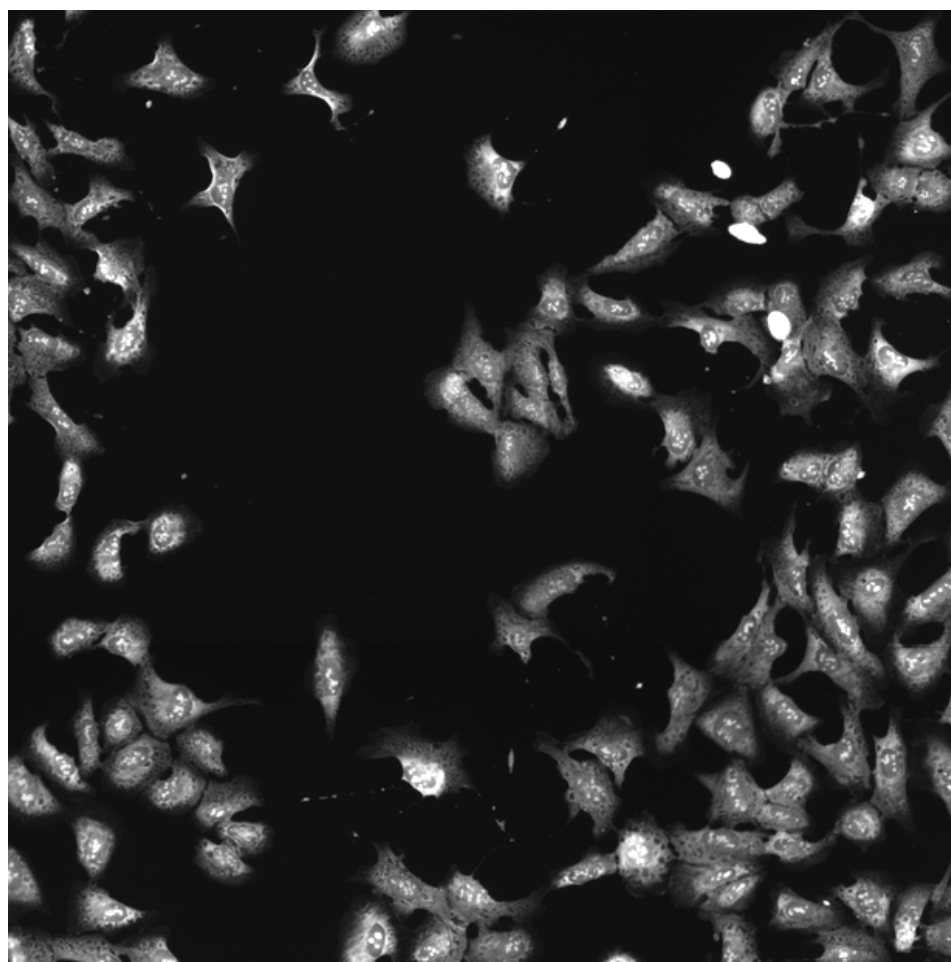
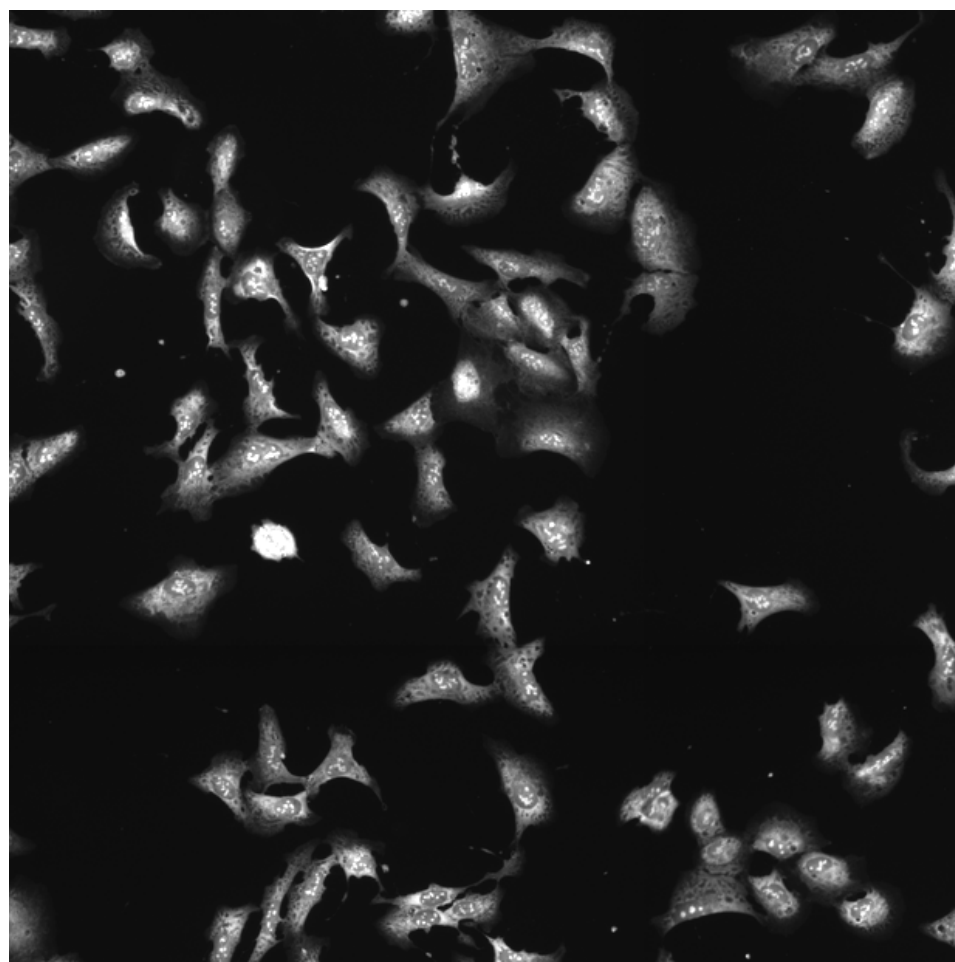
GSK3B.WT.1 (41755)

GSK3B.WT.1 (41756)

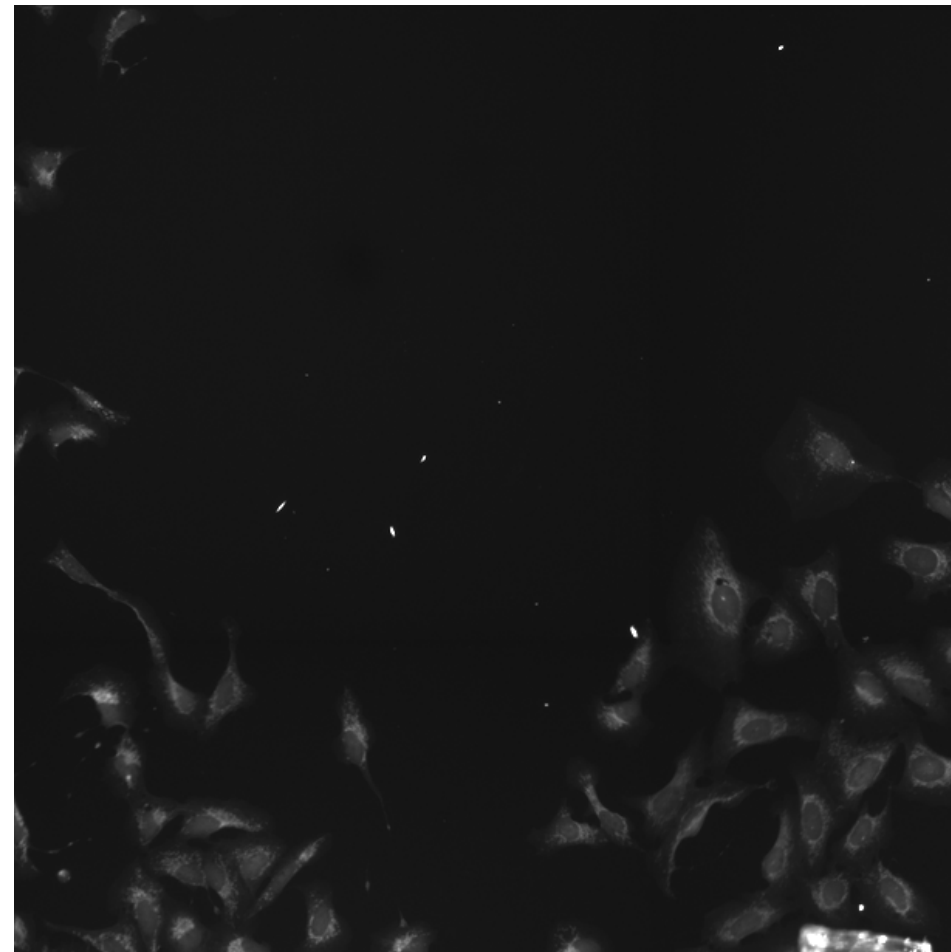
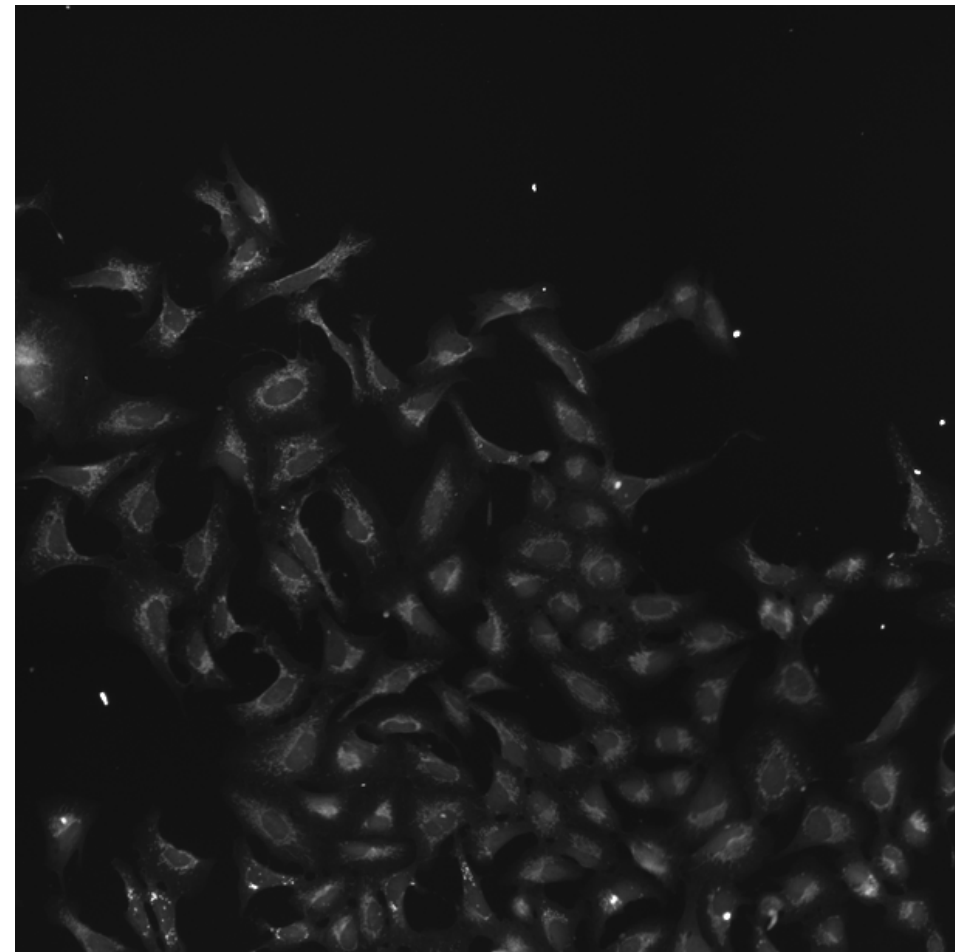
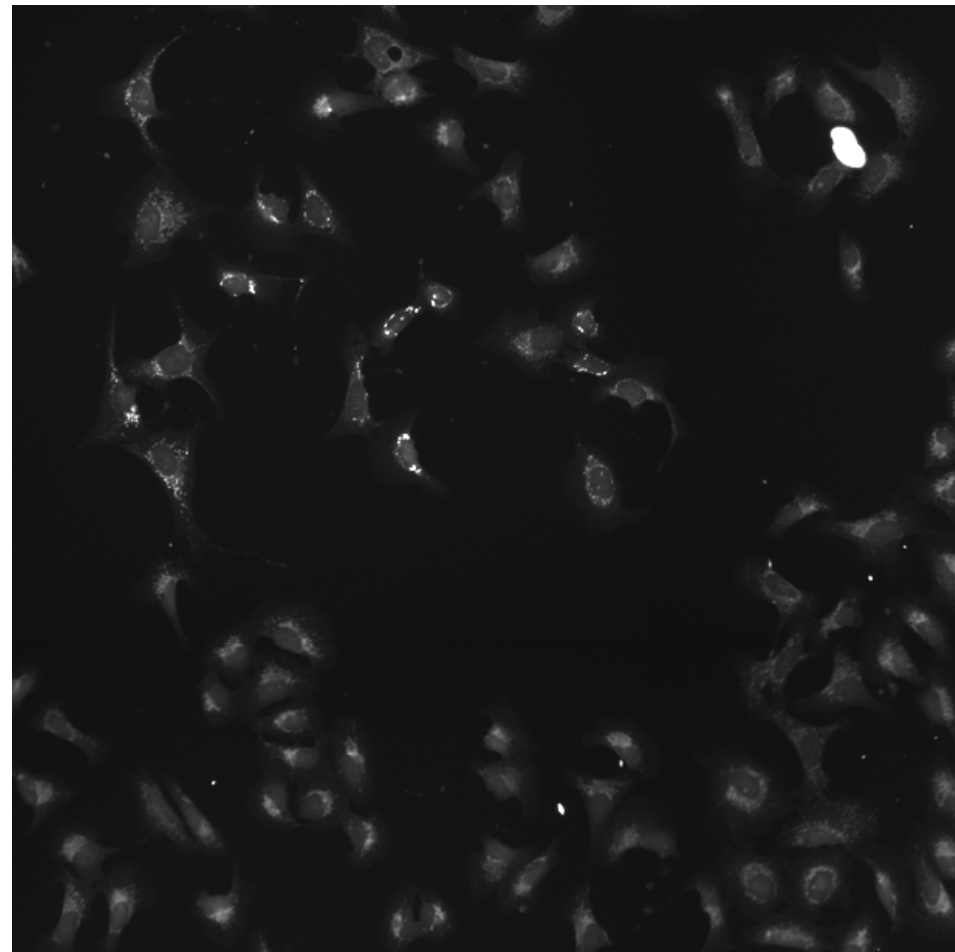
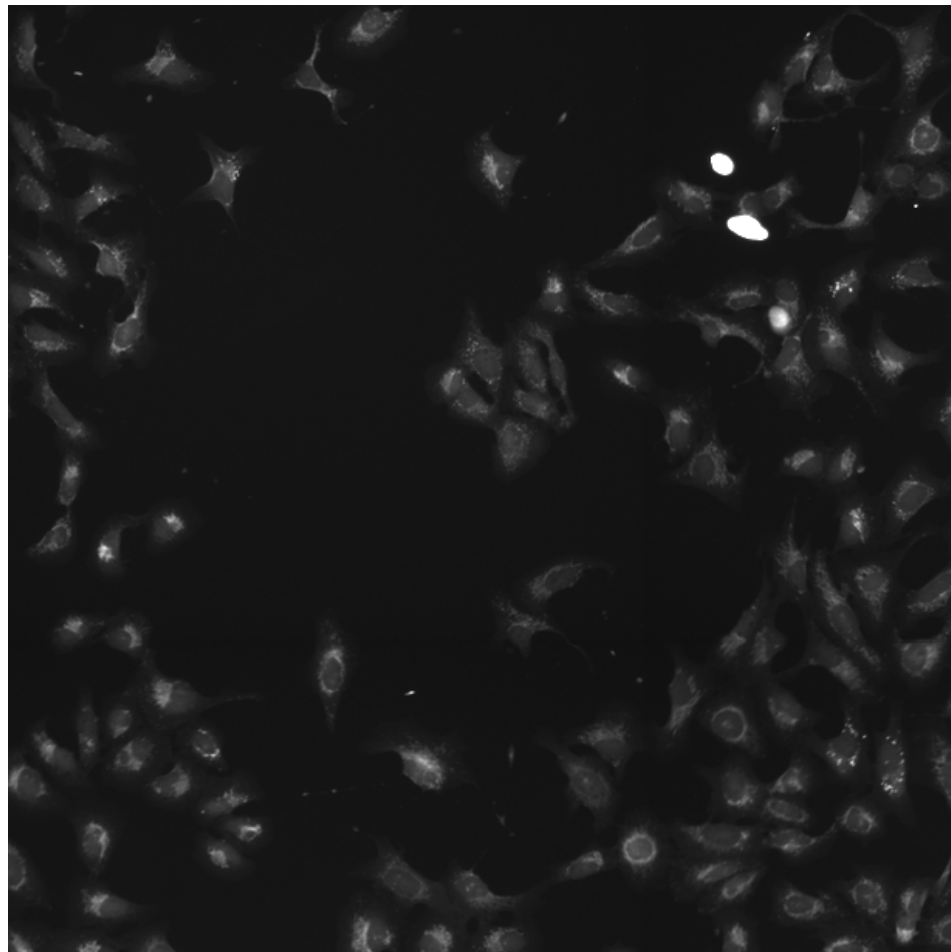
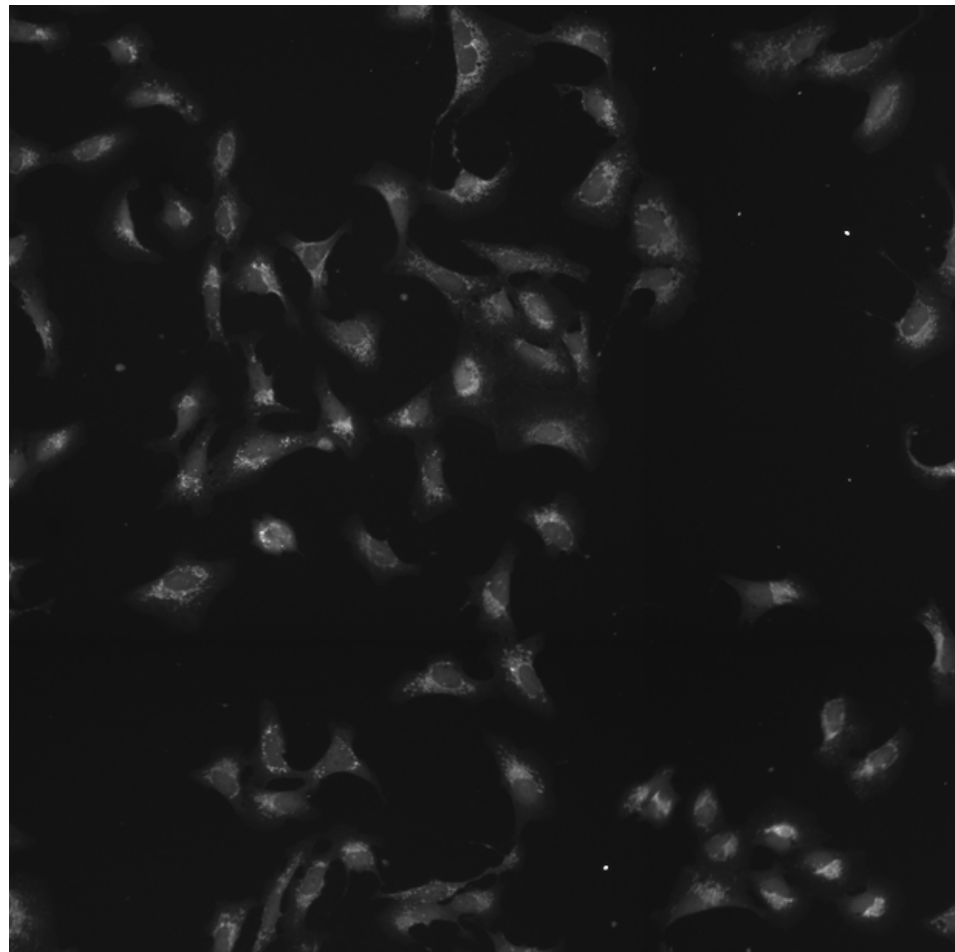
GSK3B.WT.1 (41757)

GSK3B.WT.1 (41754)

RNA

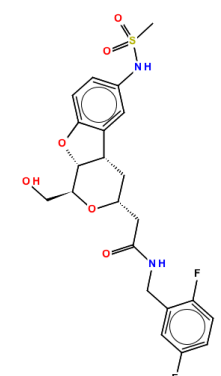
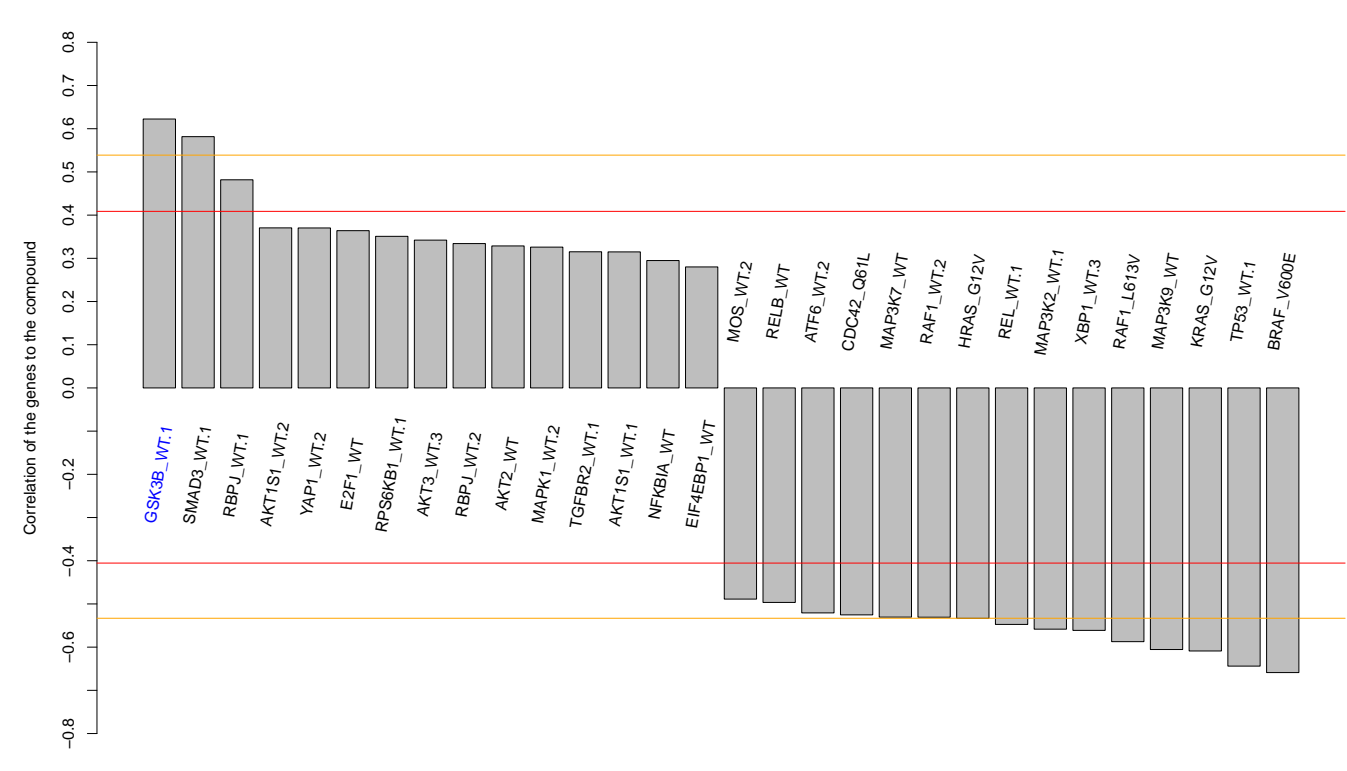
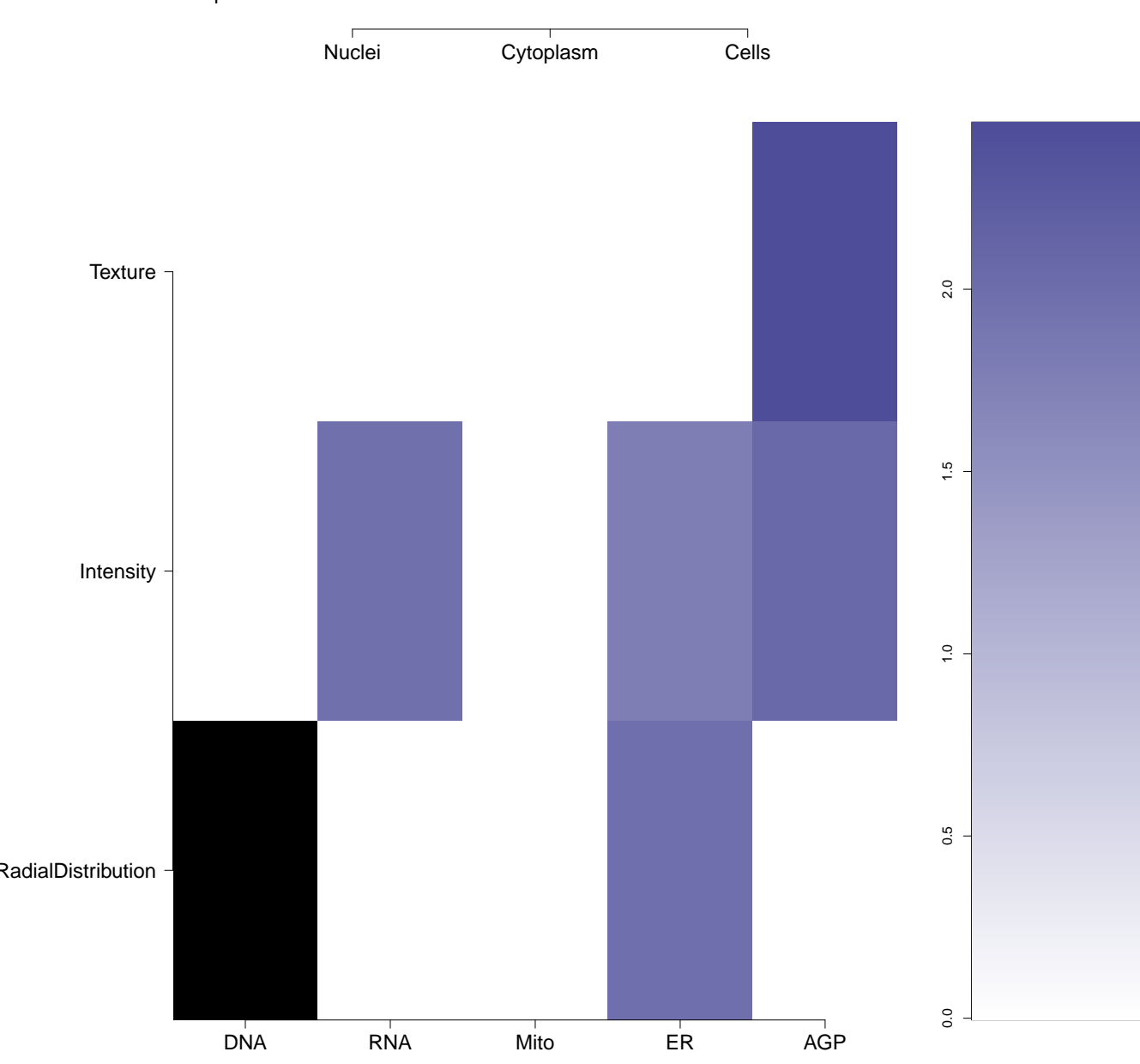
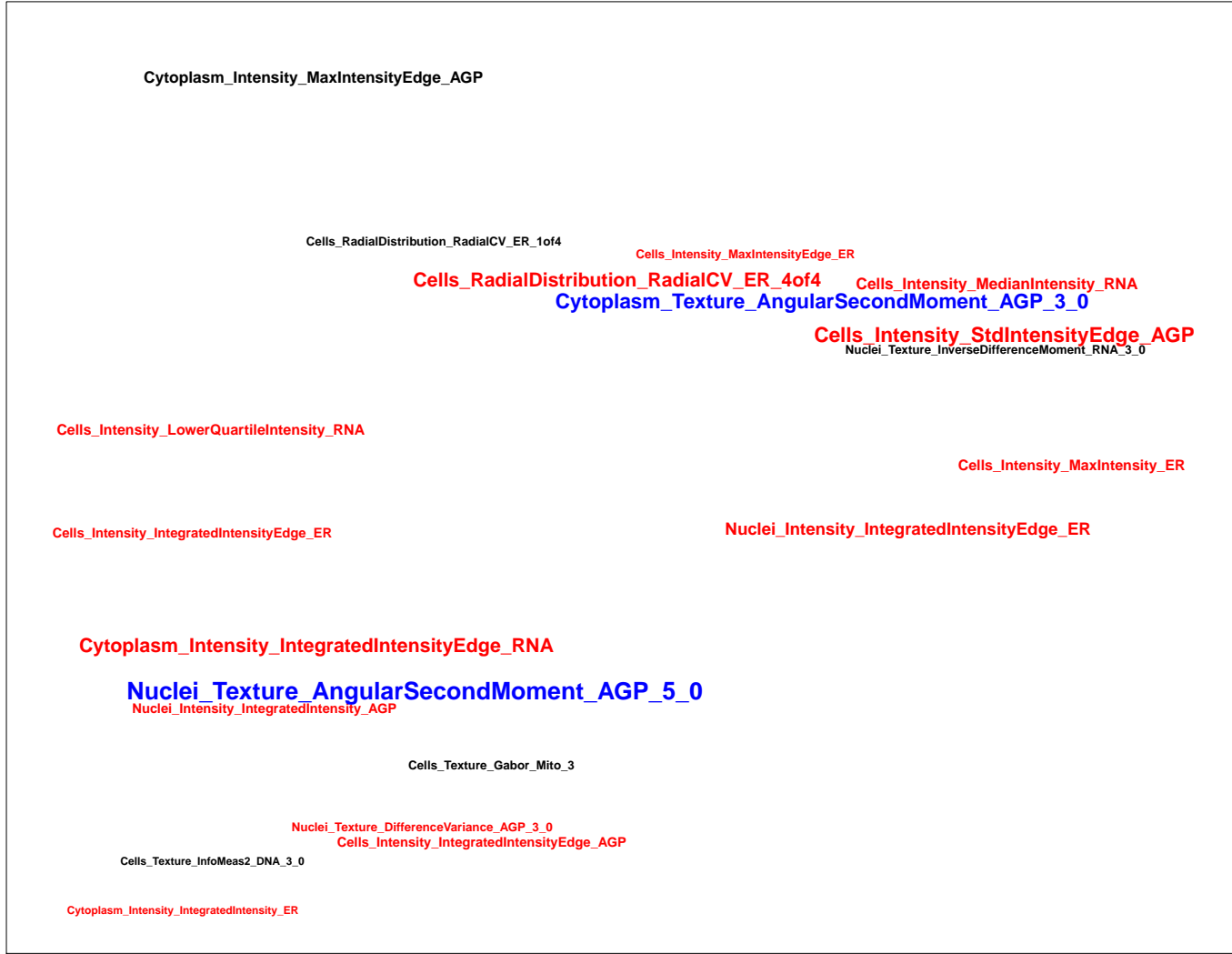
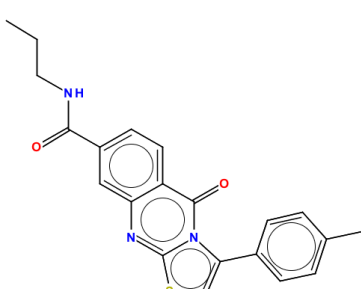
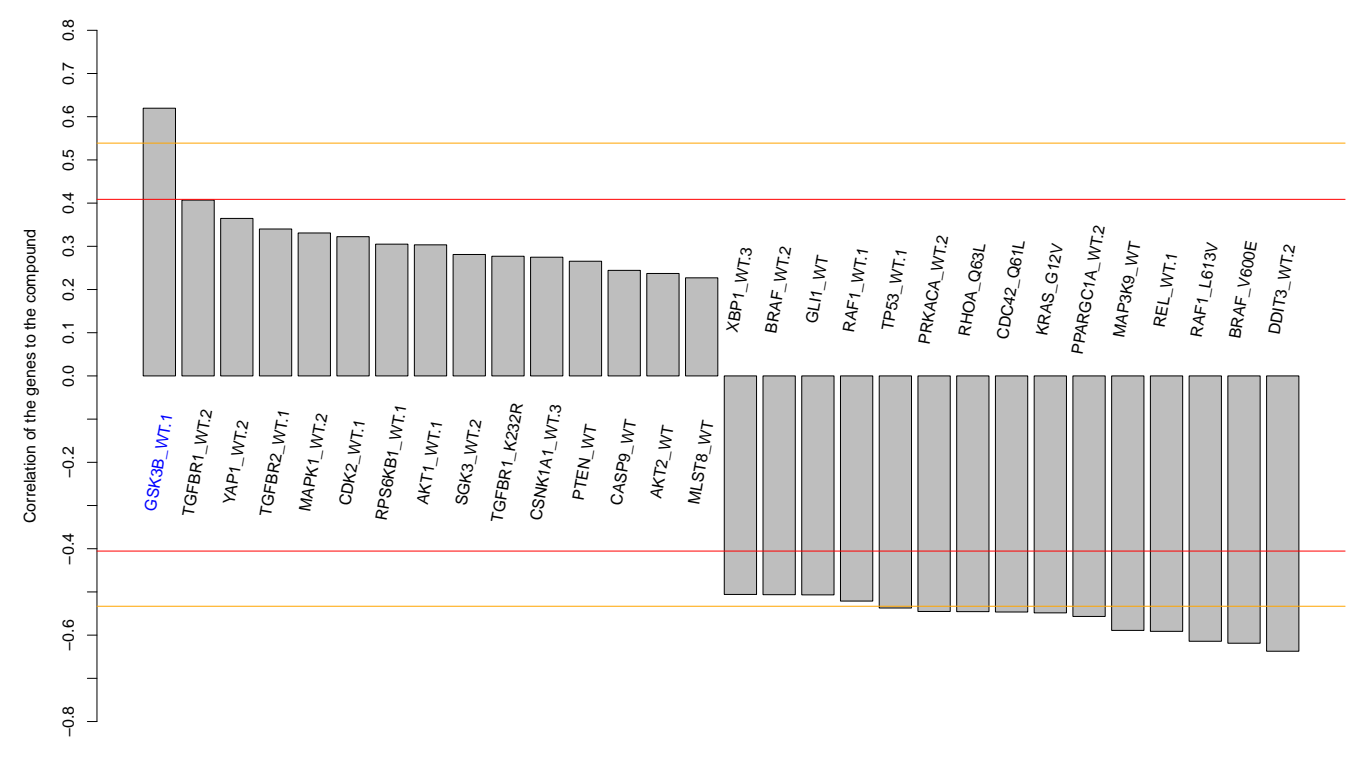
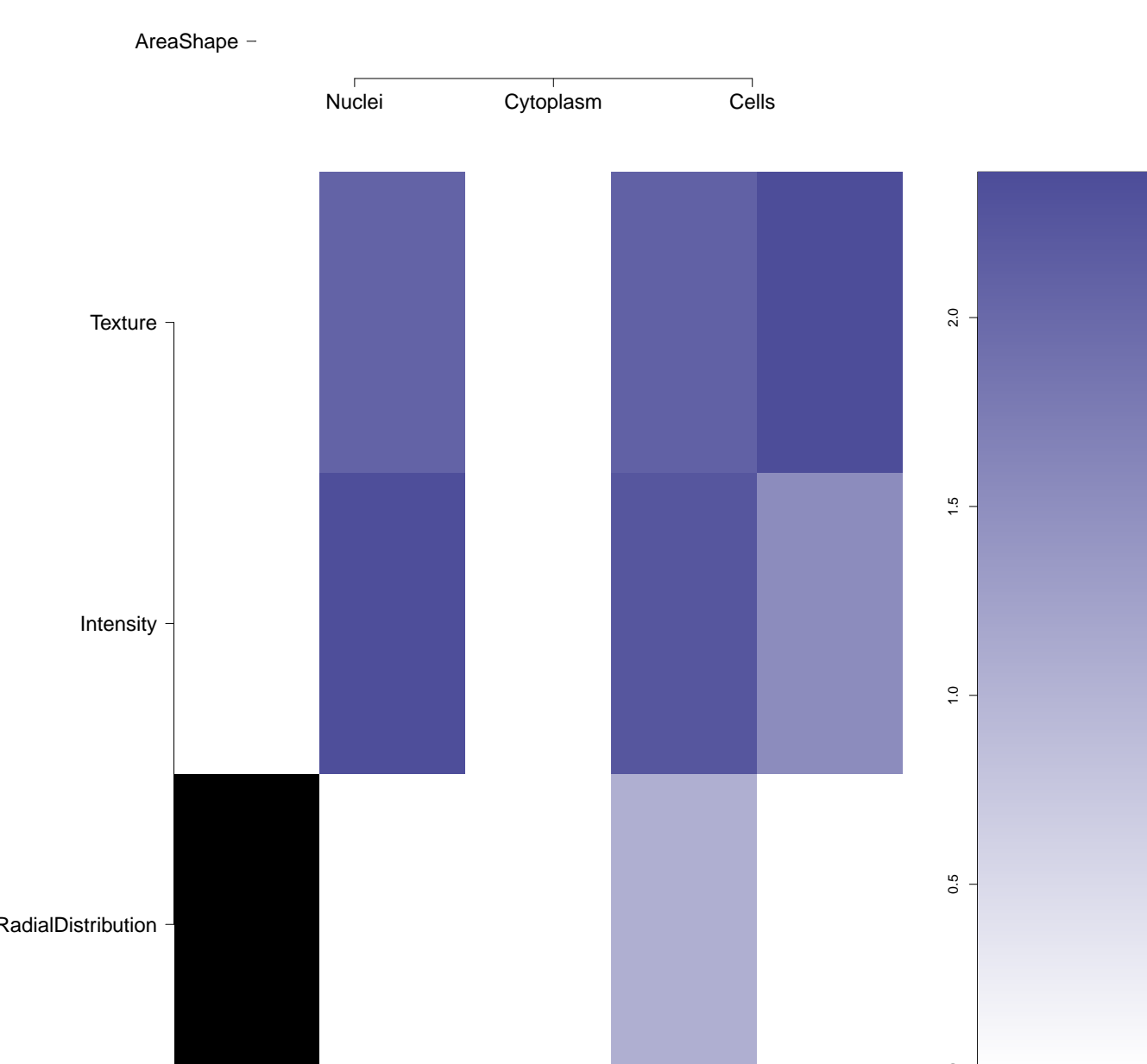
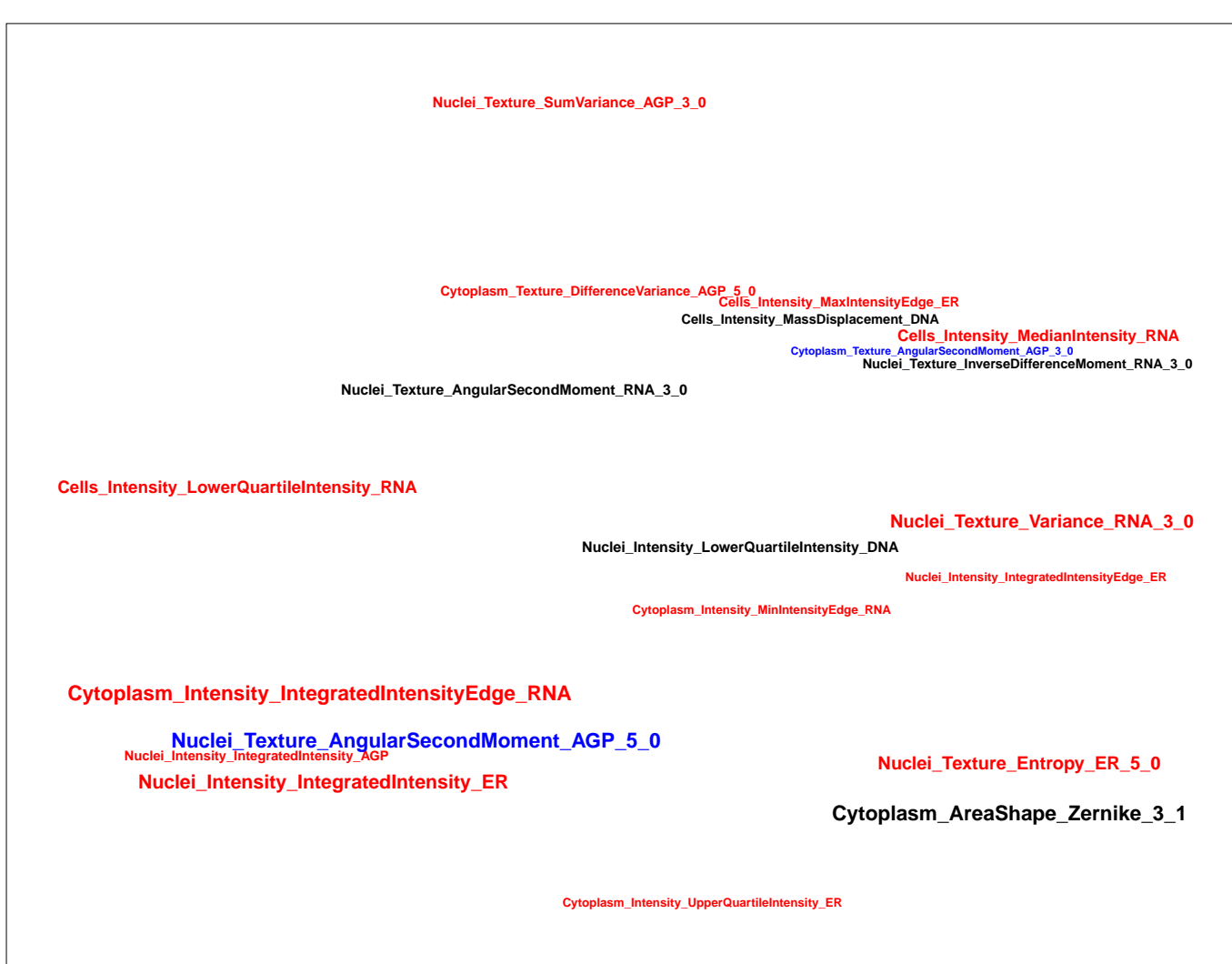
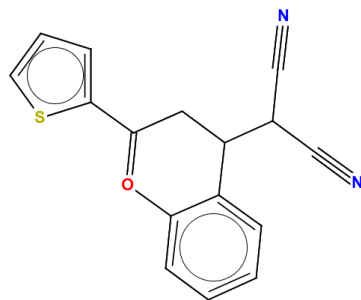
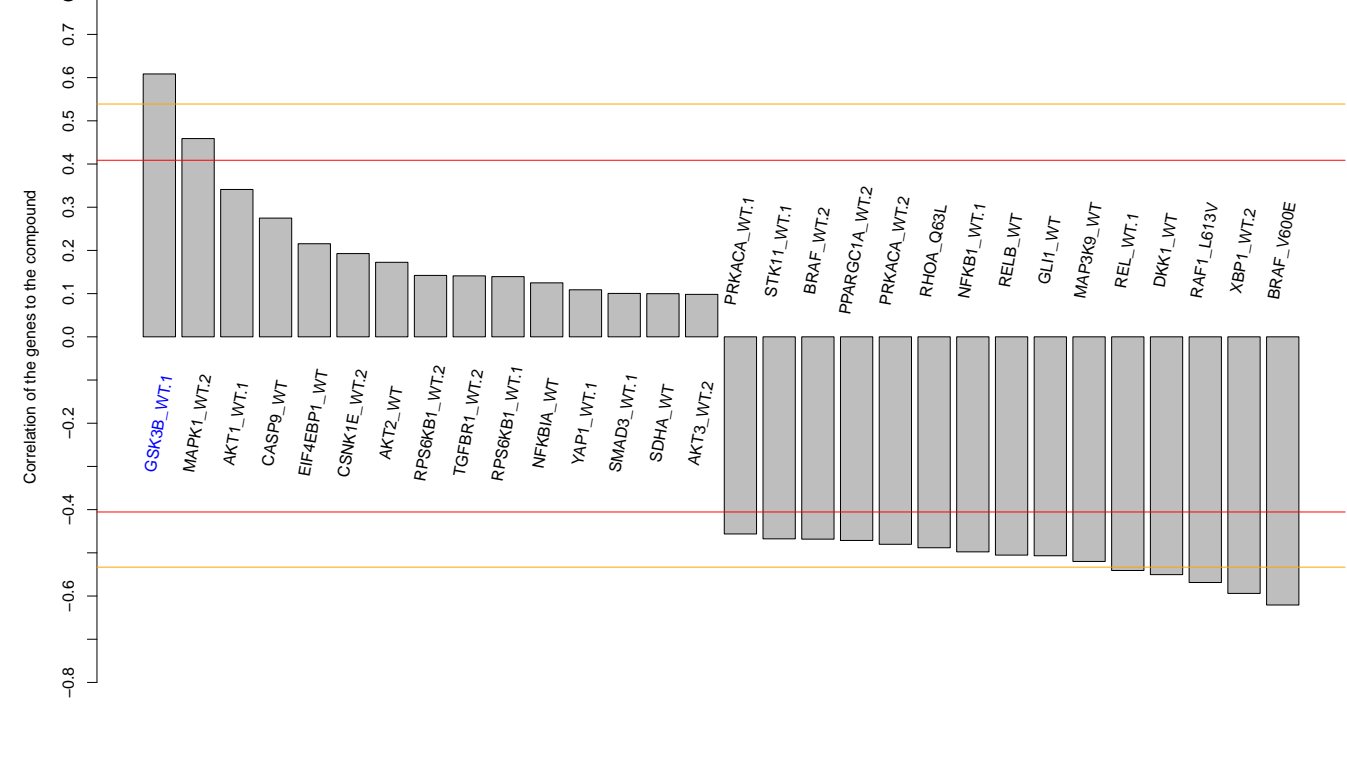
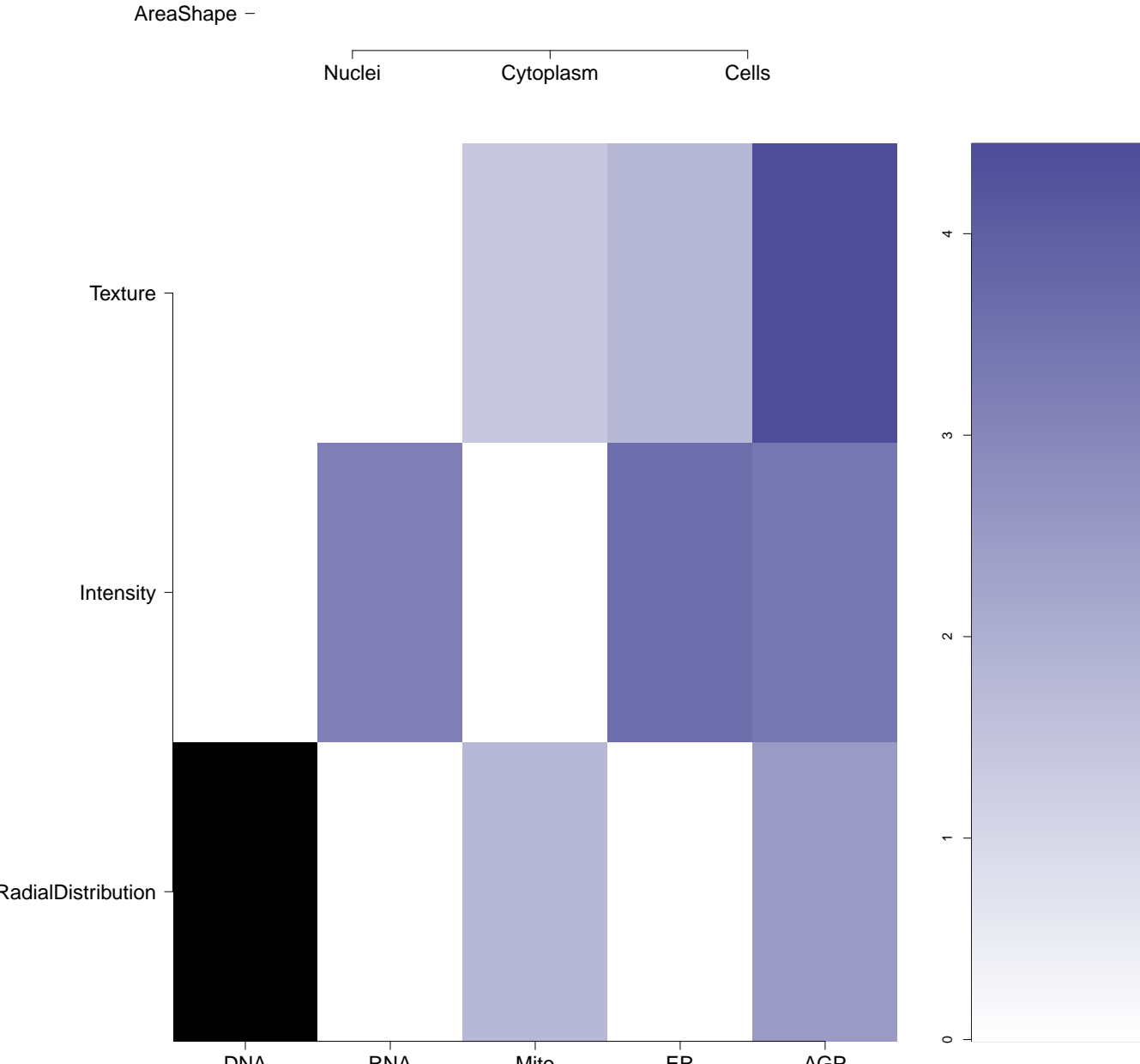
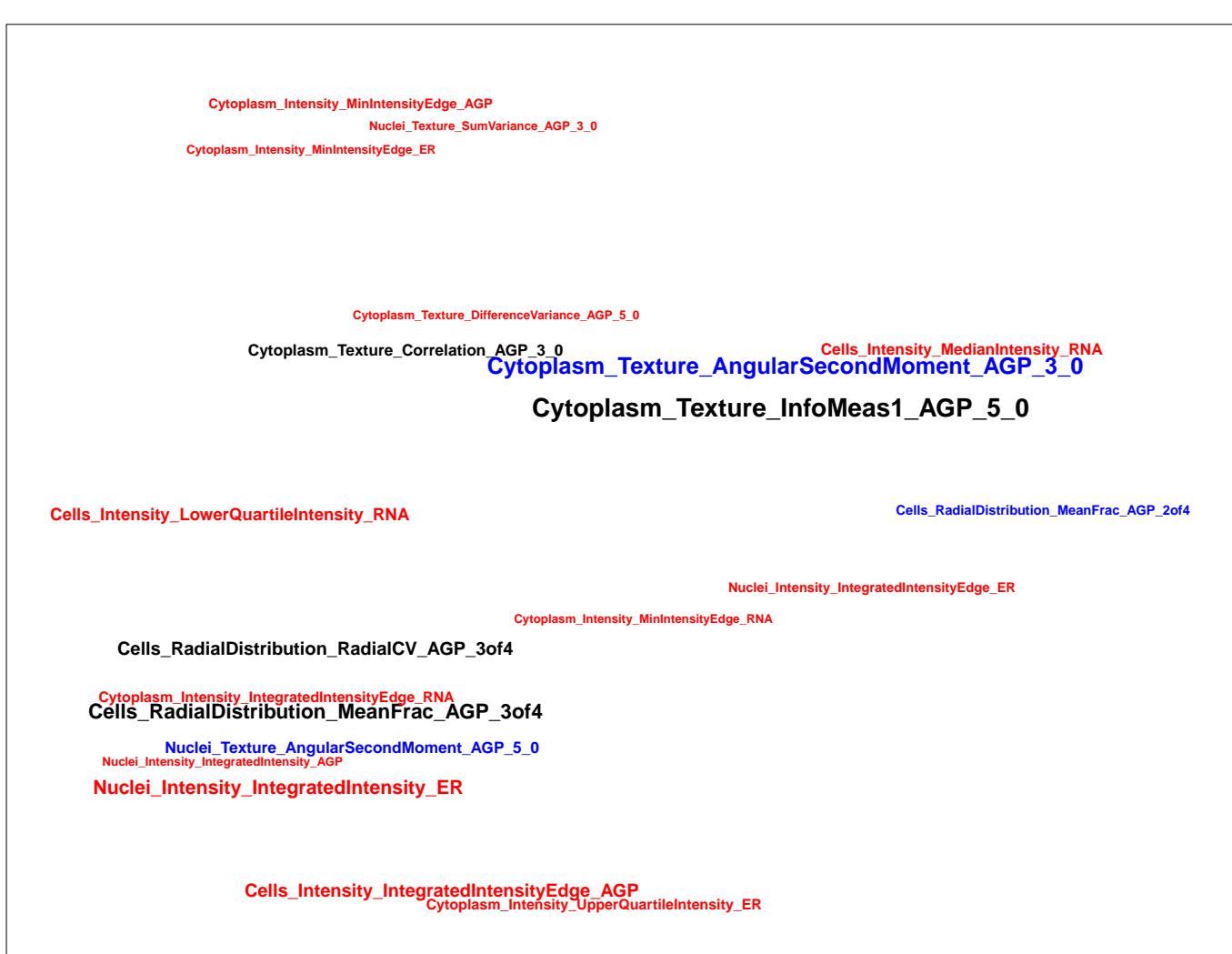
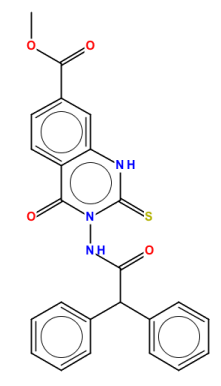
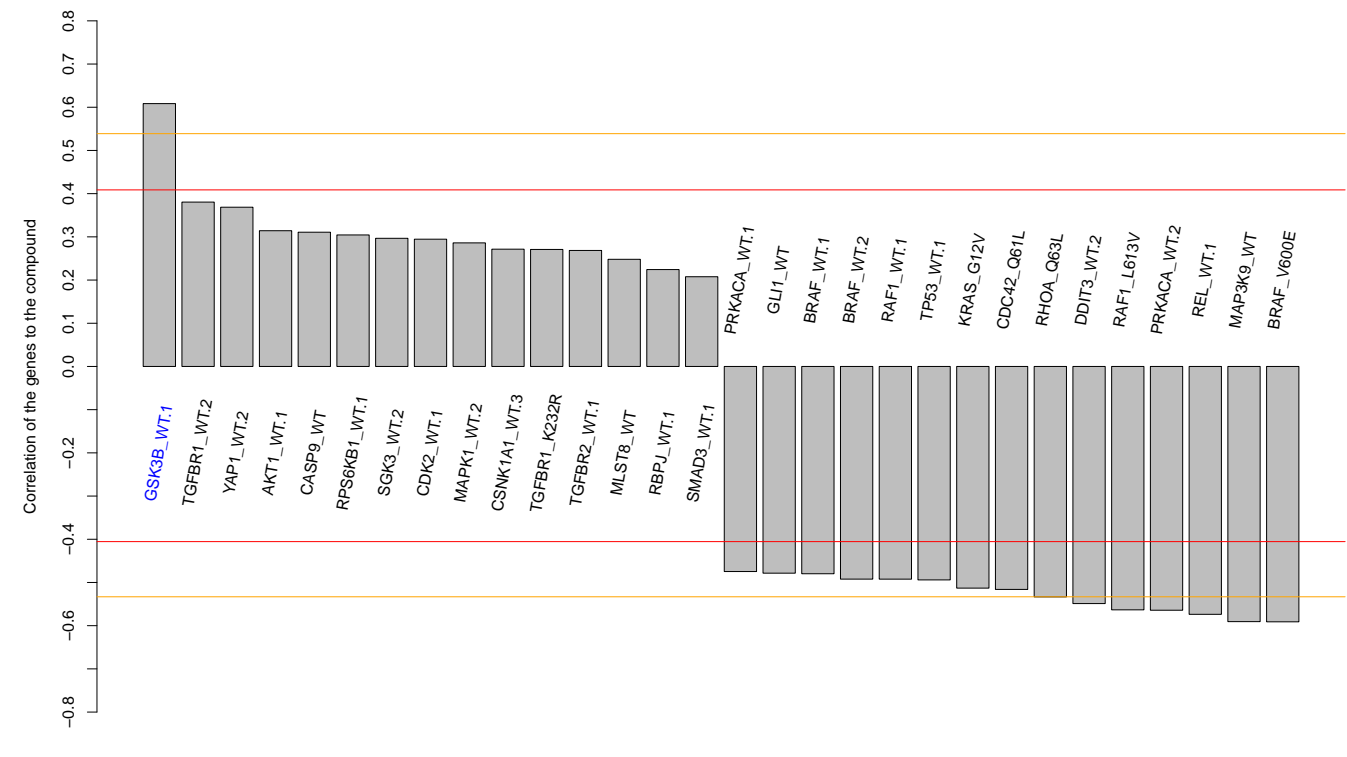
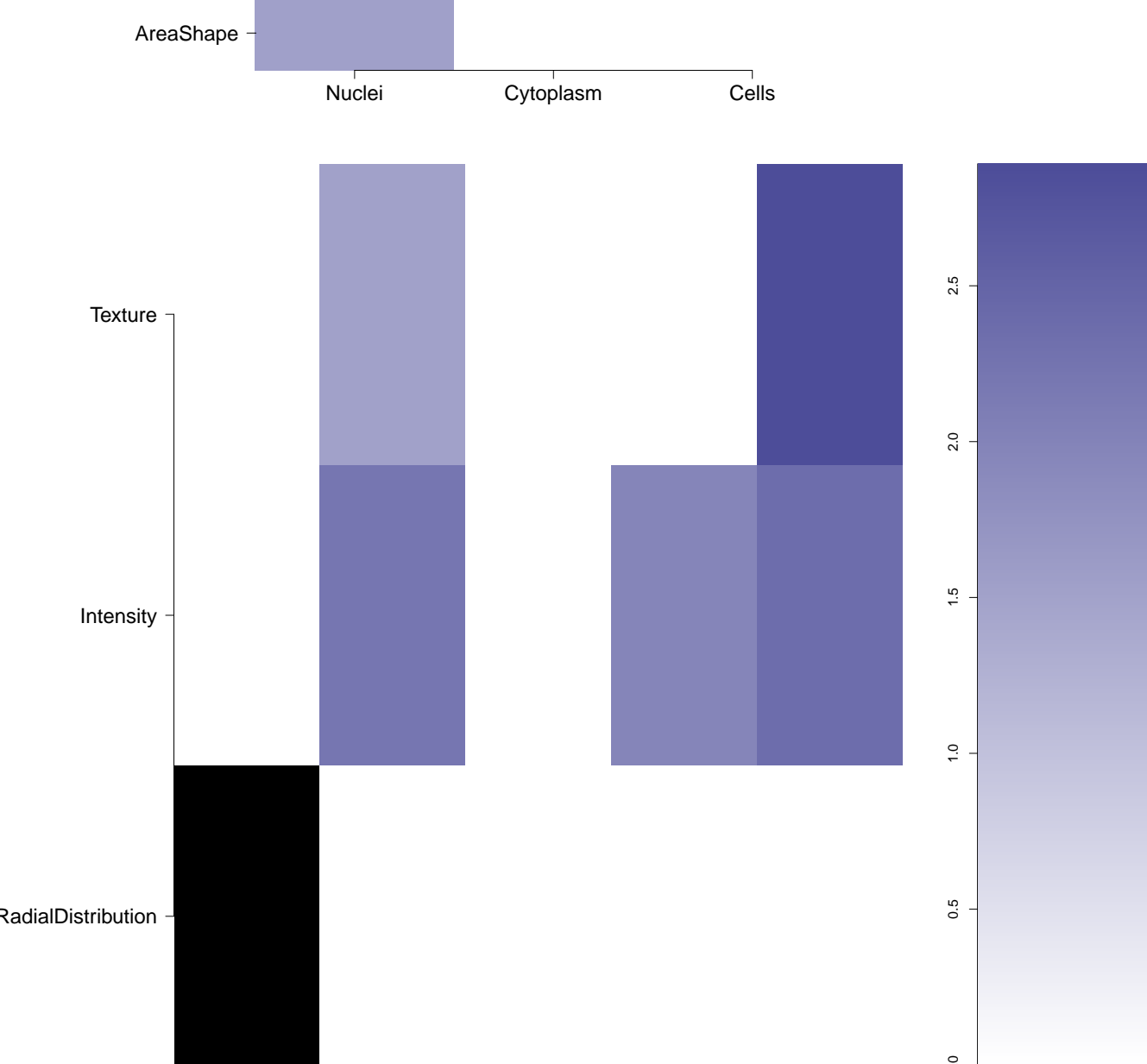
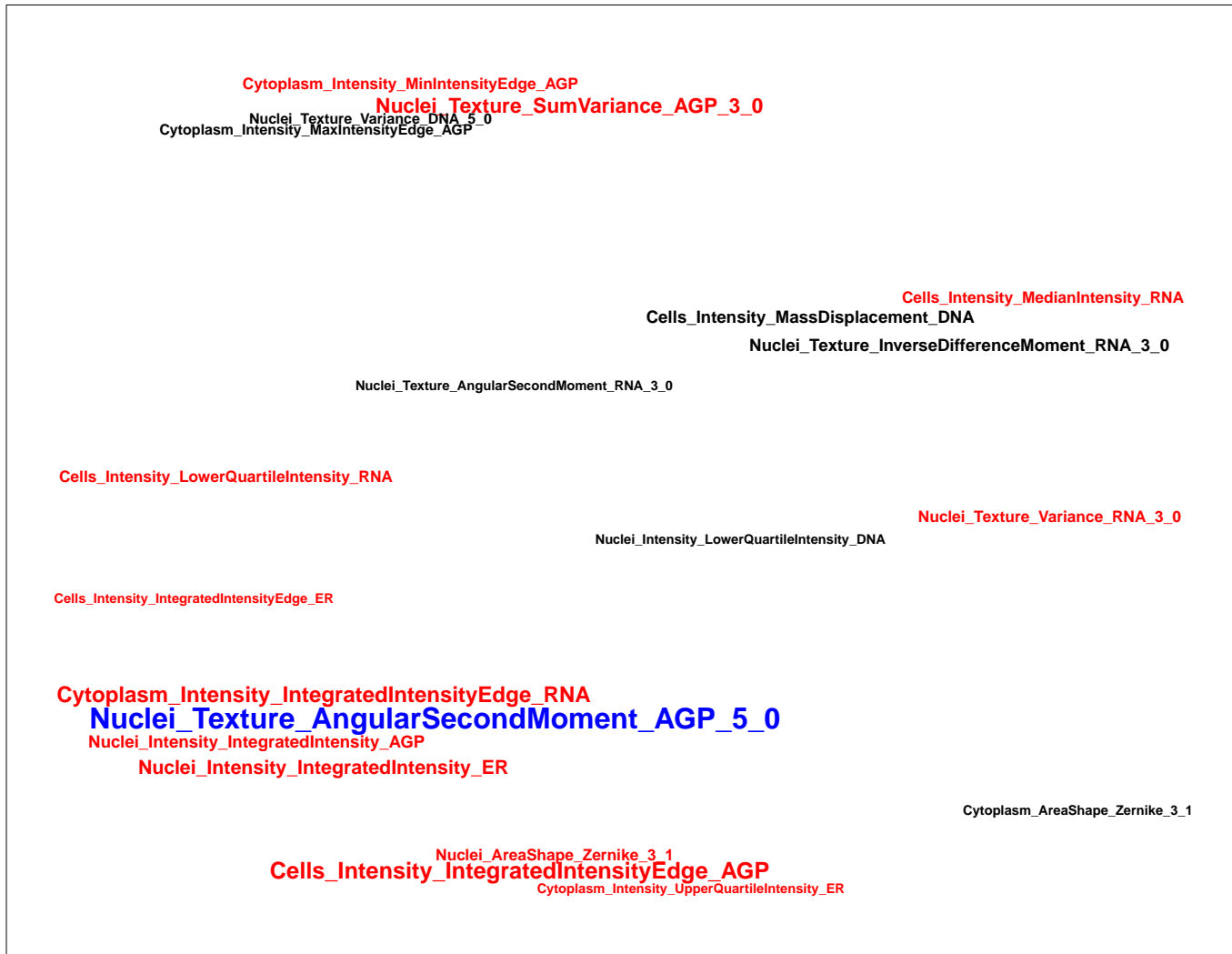


Mito

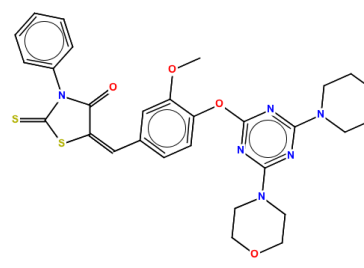
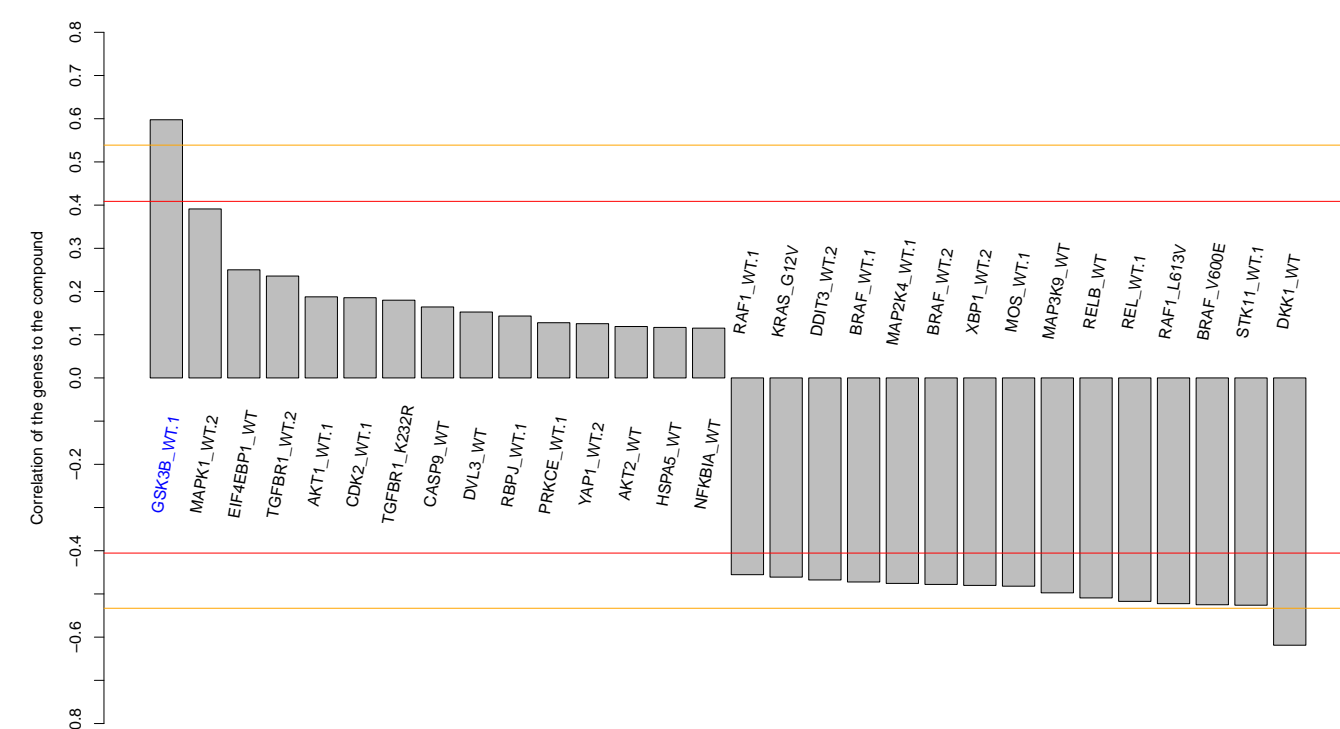
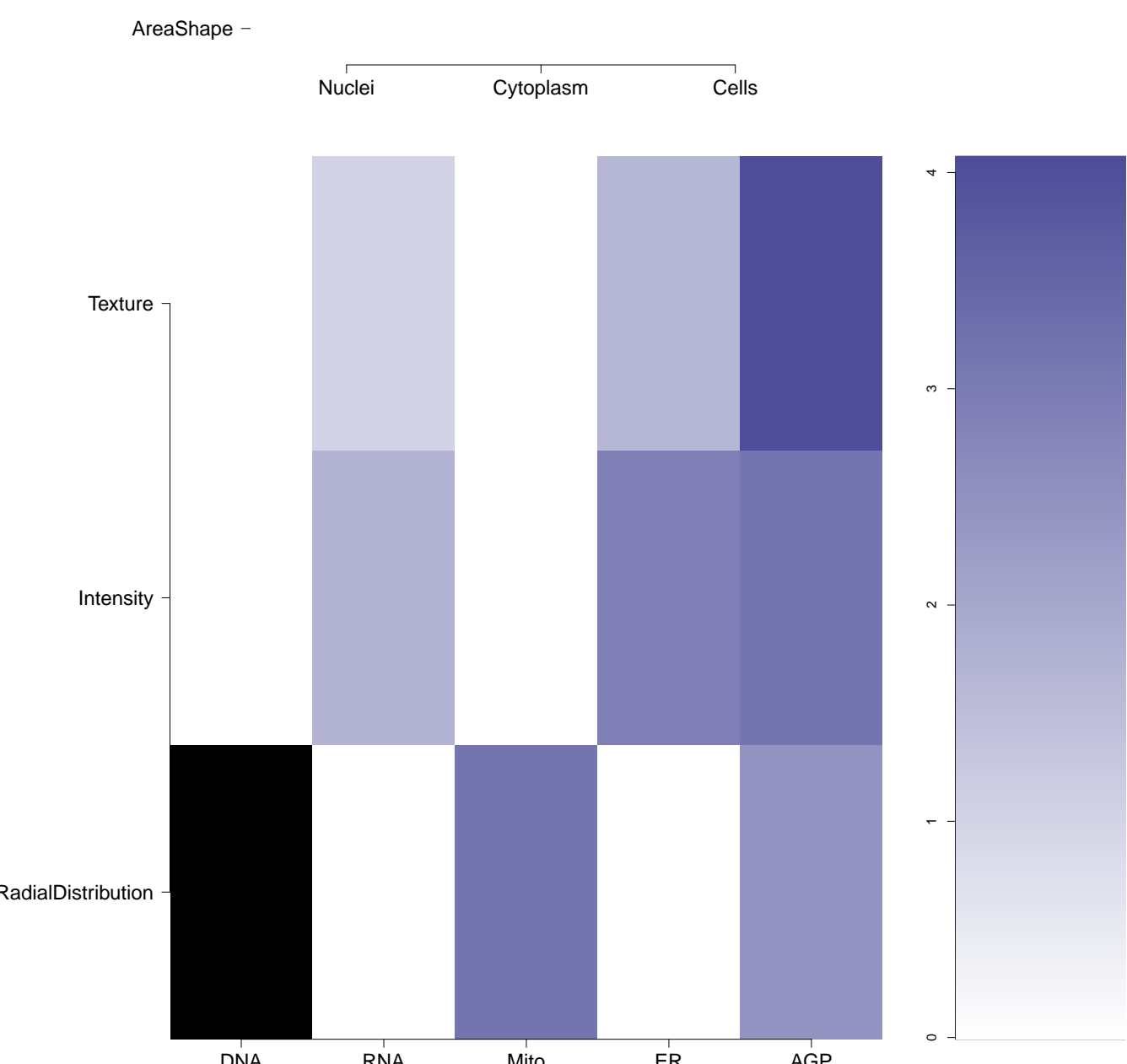

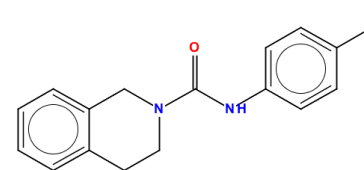
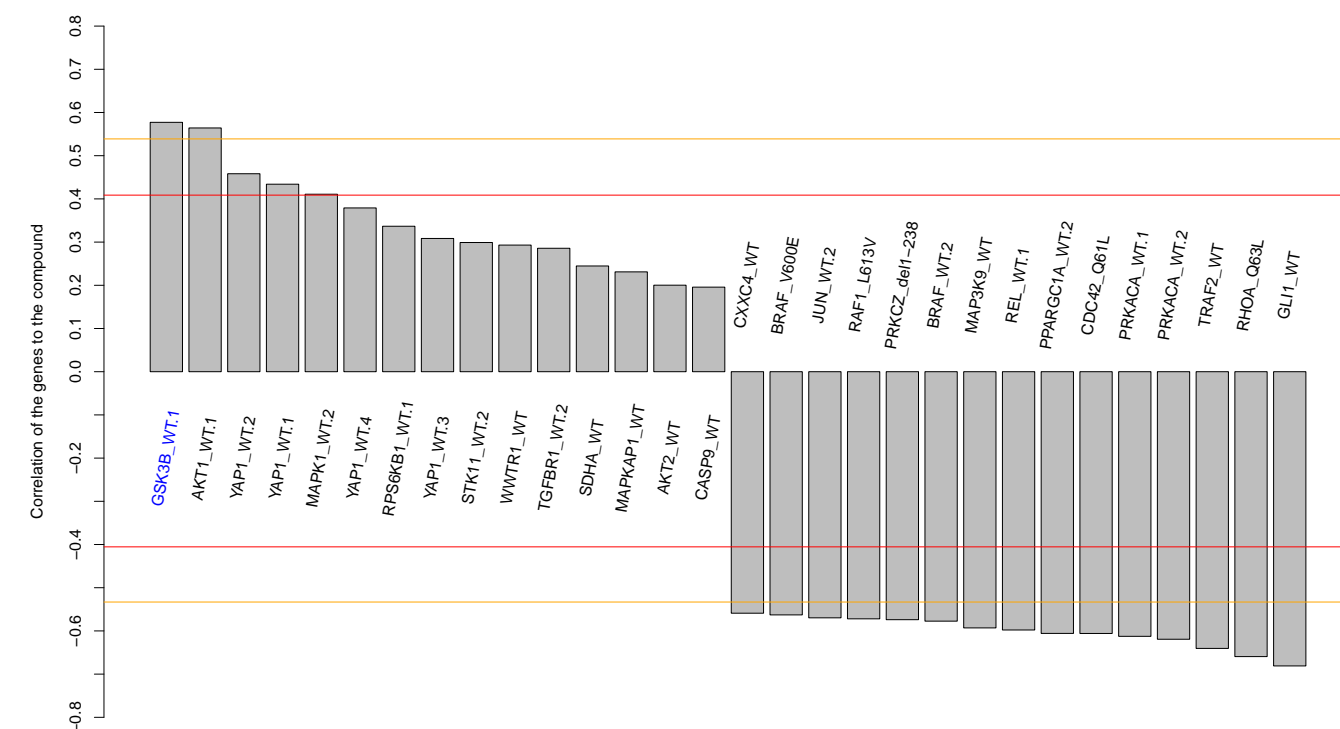
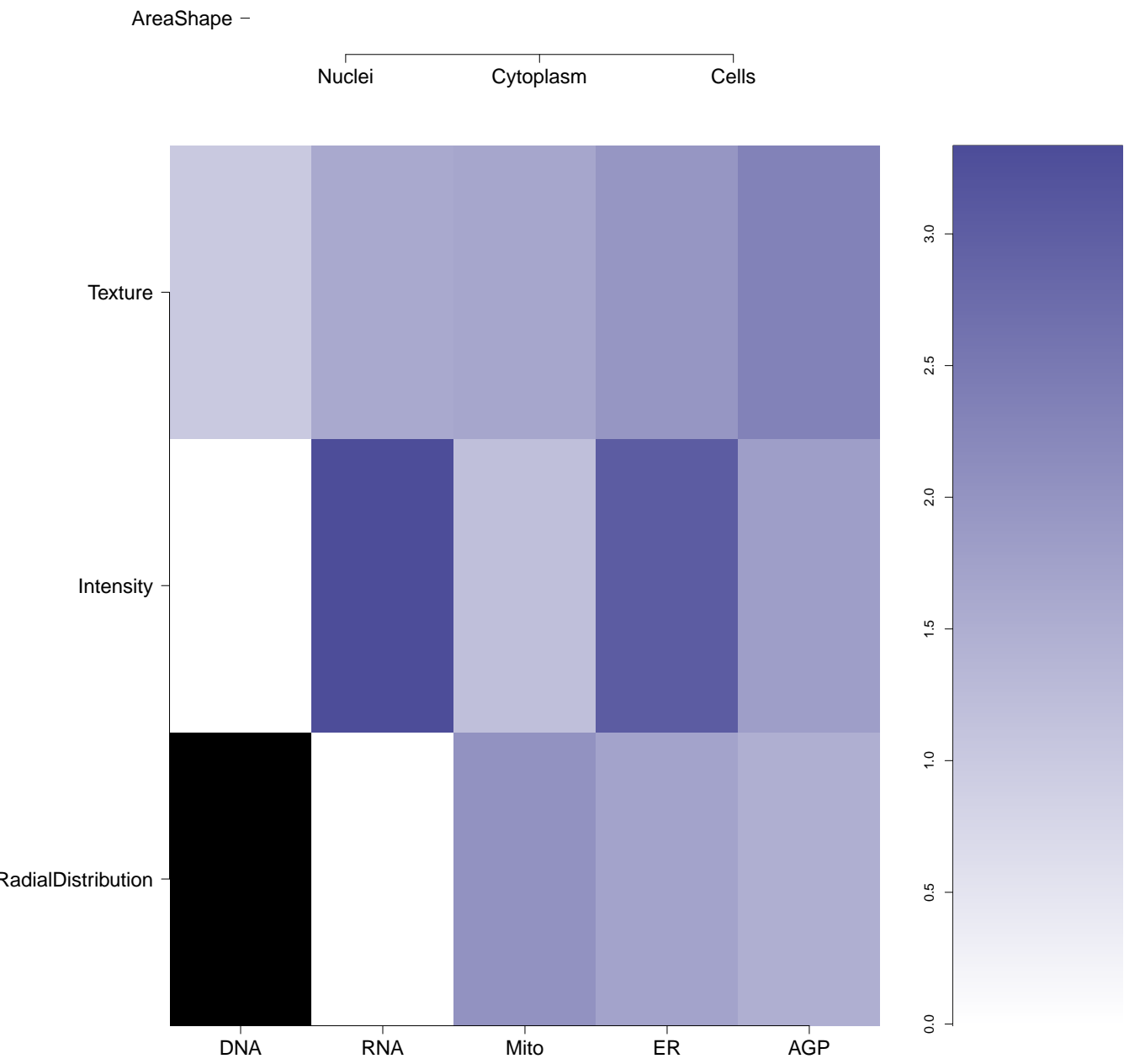
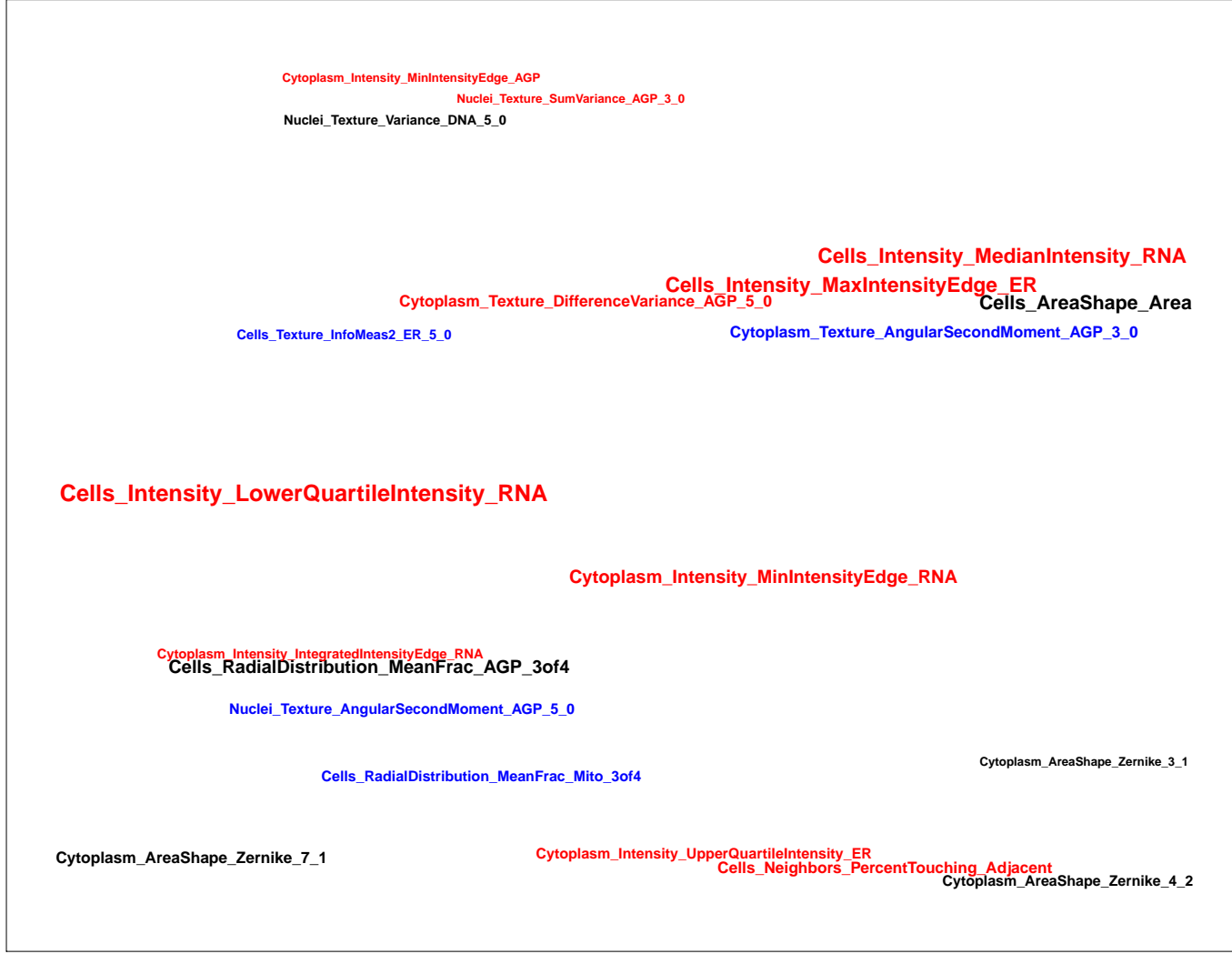
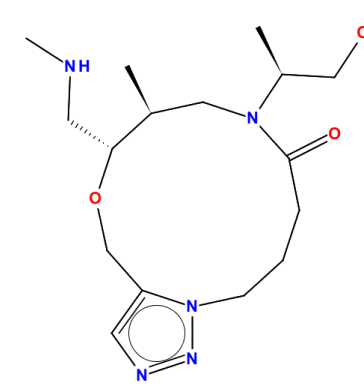
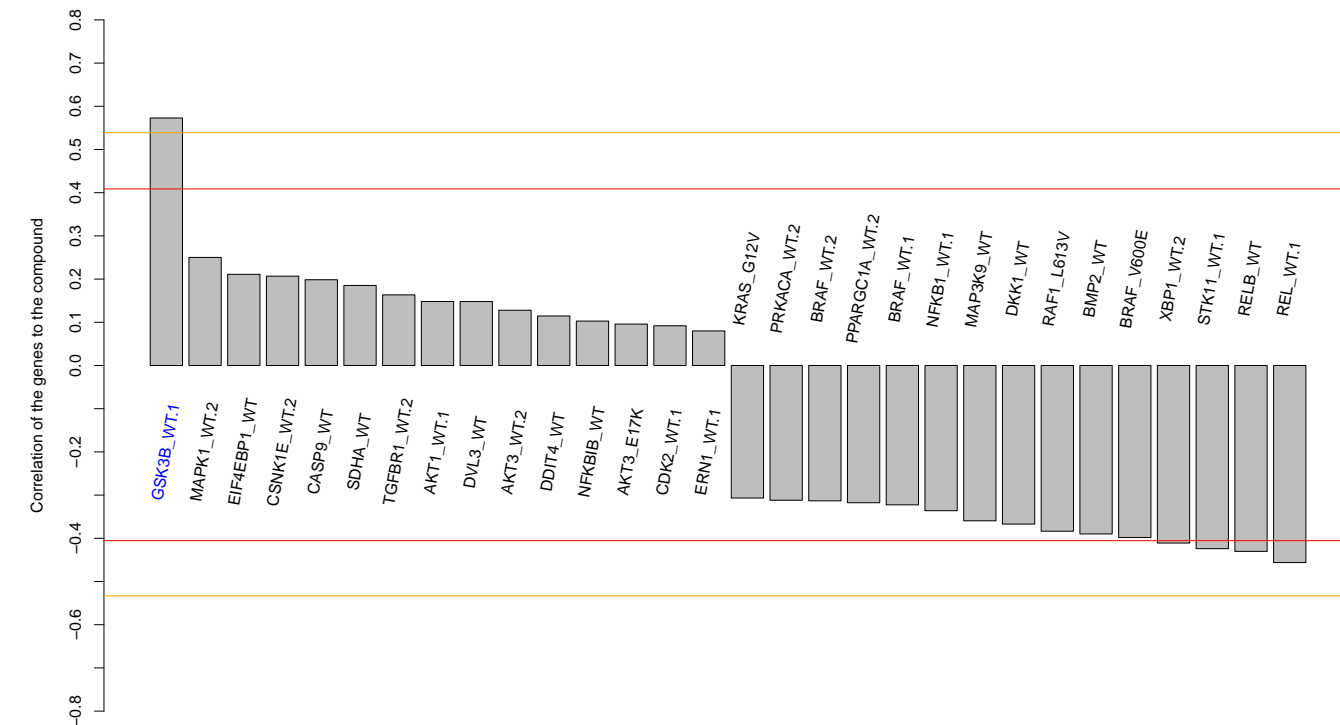
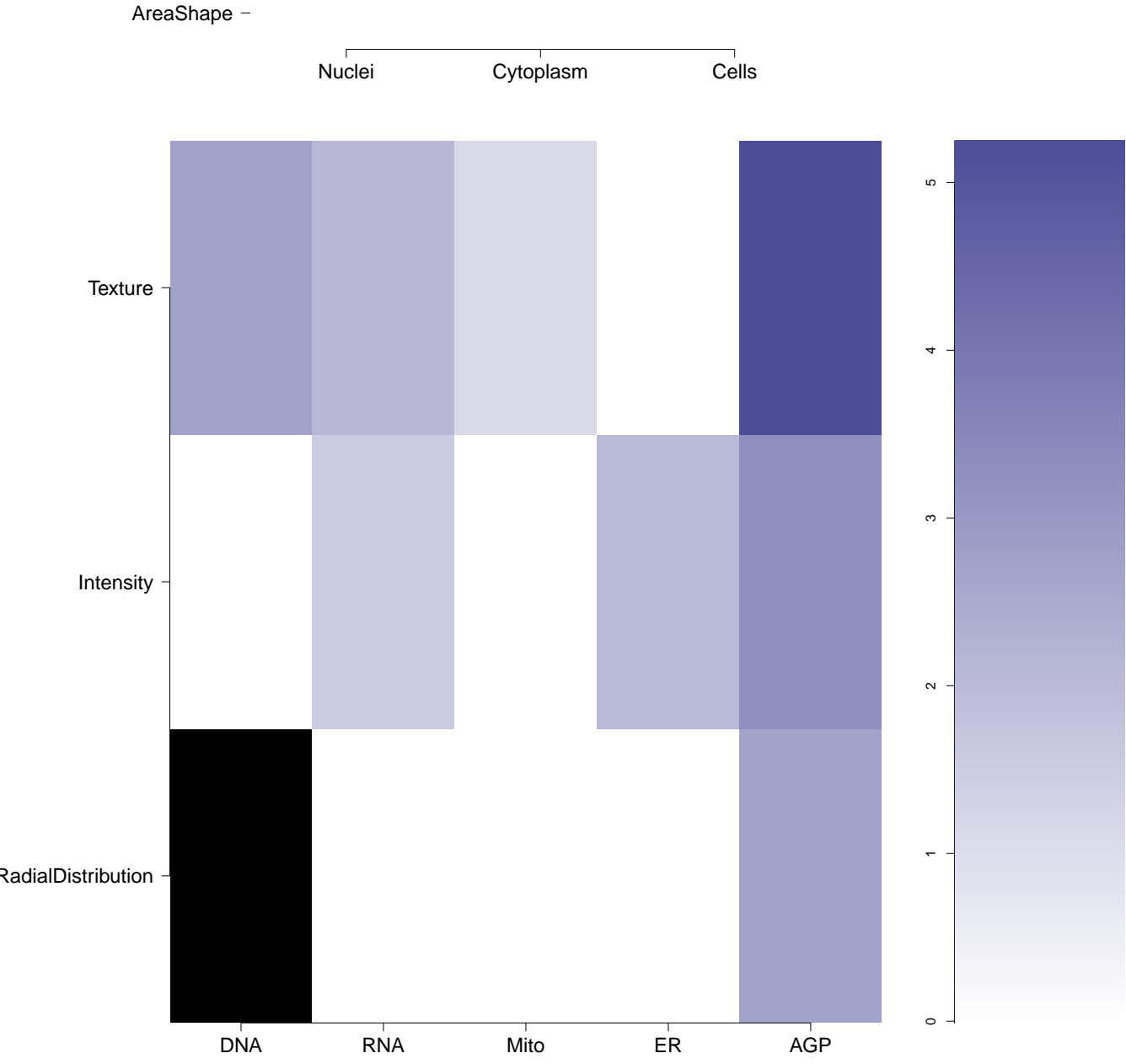
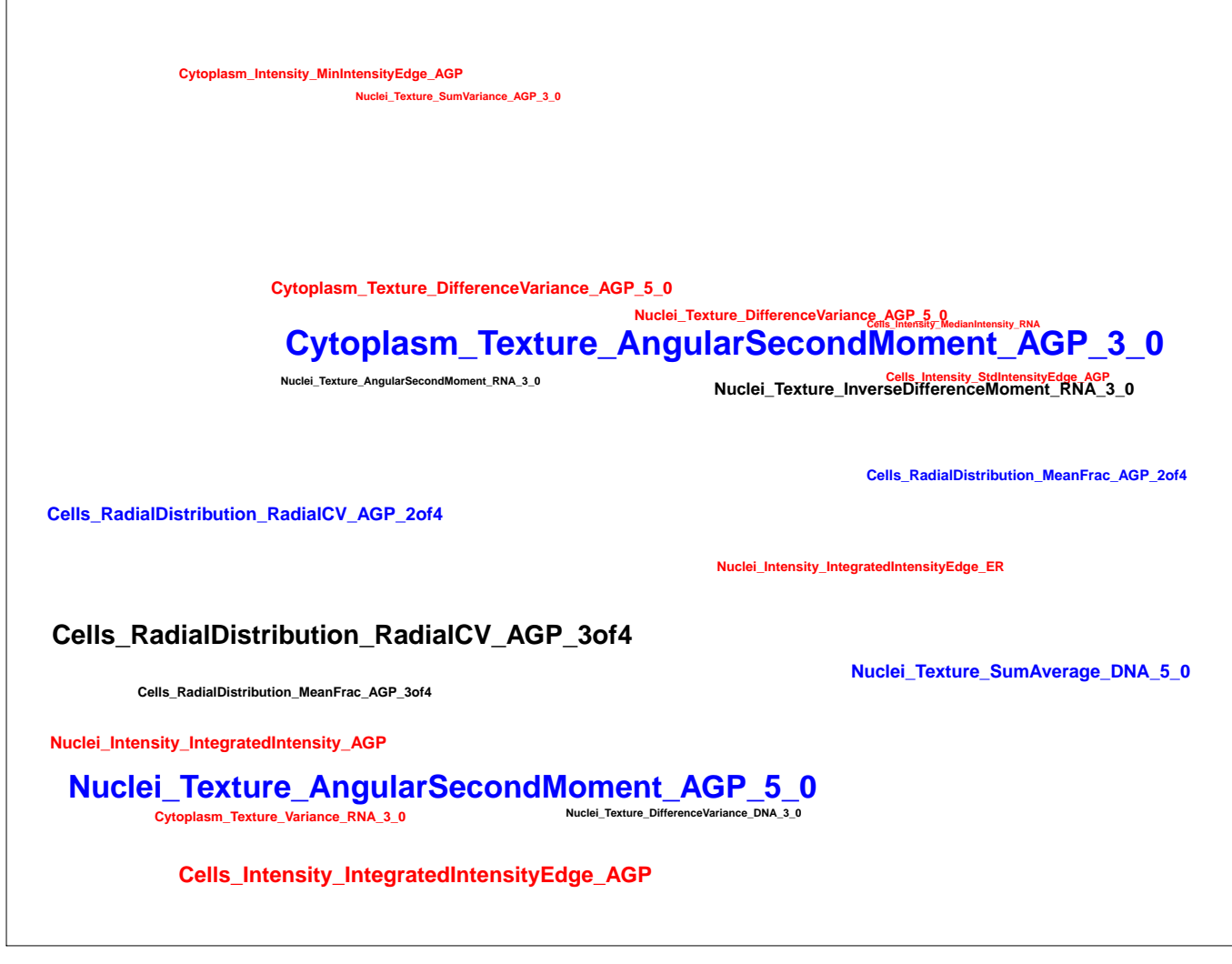
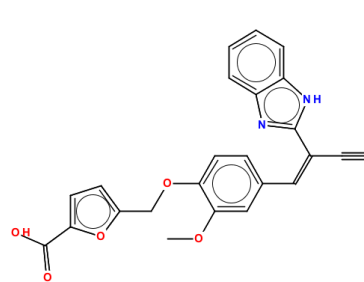
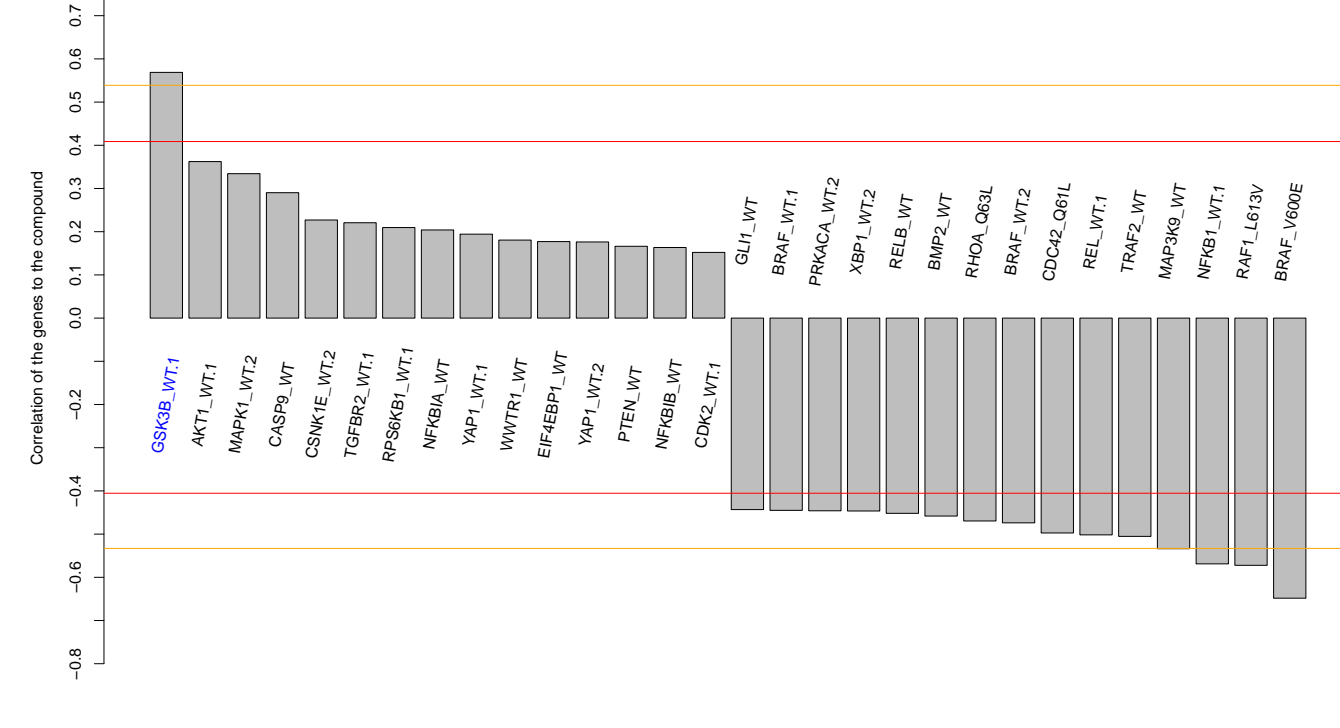
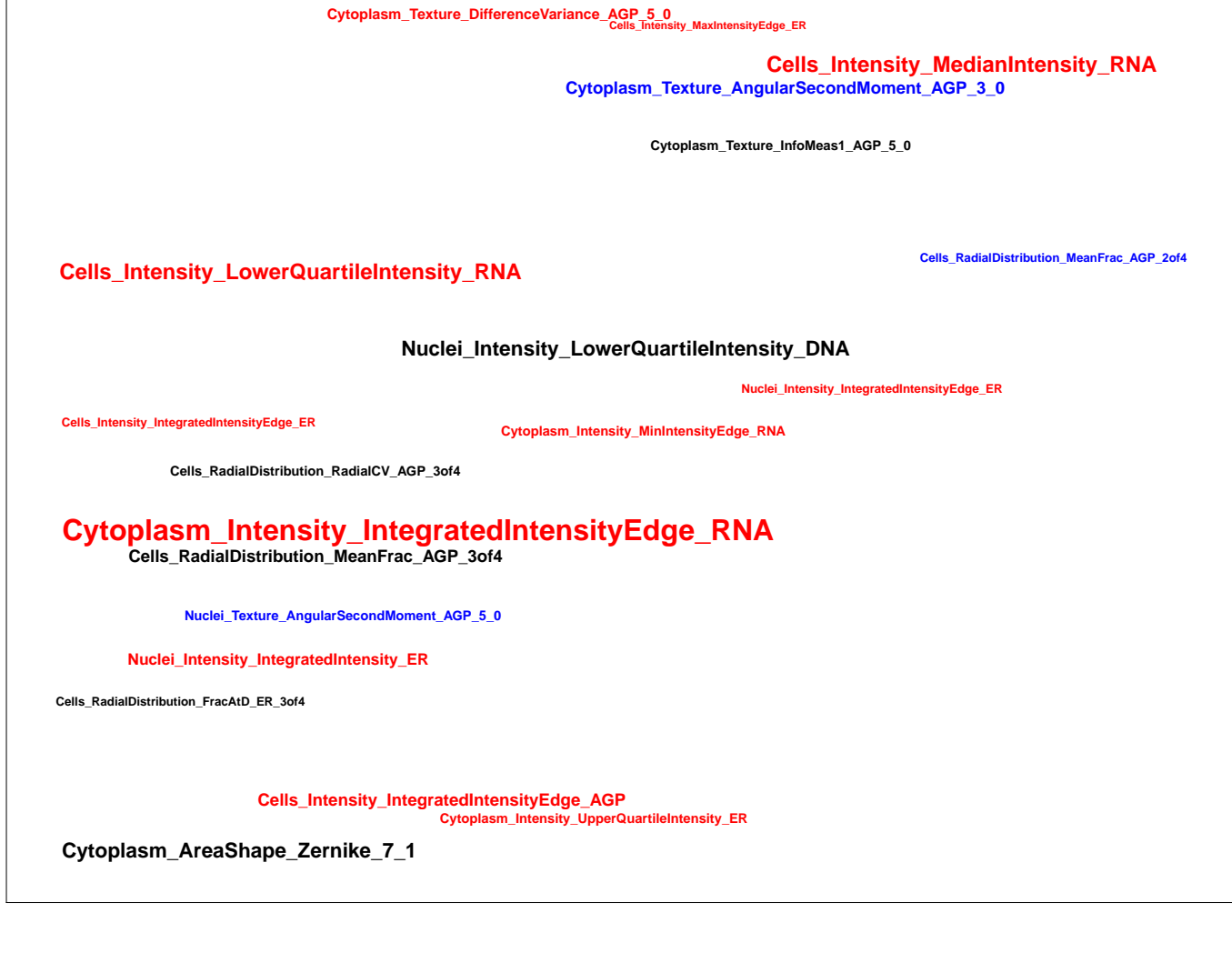
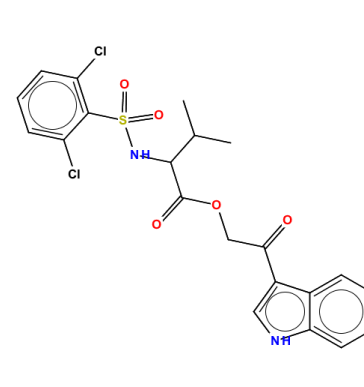
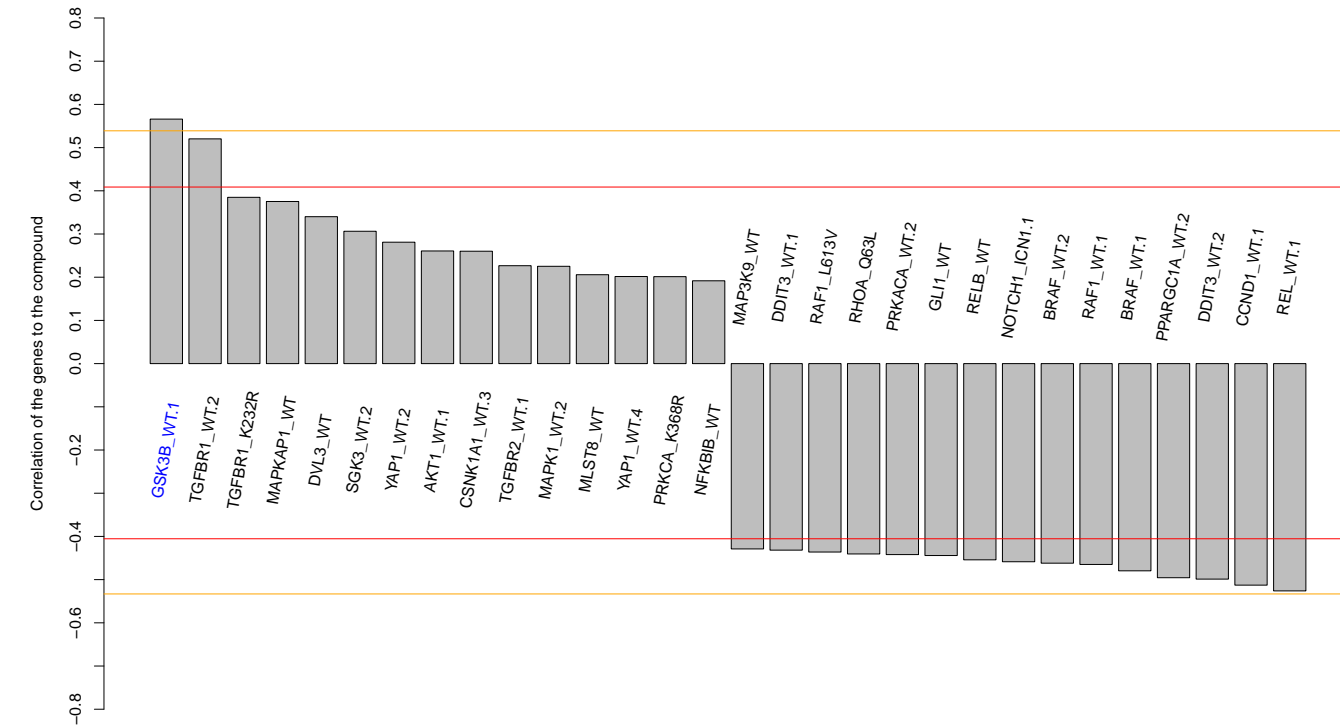
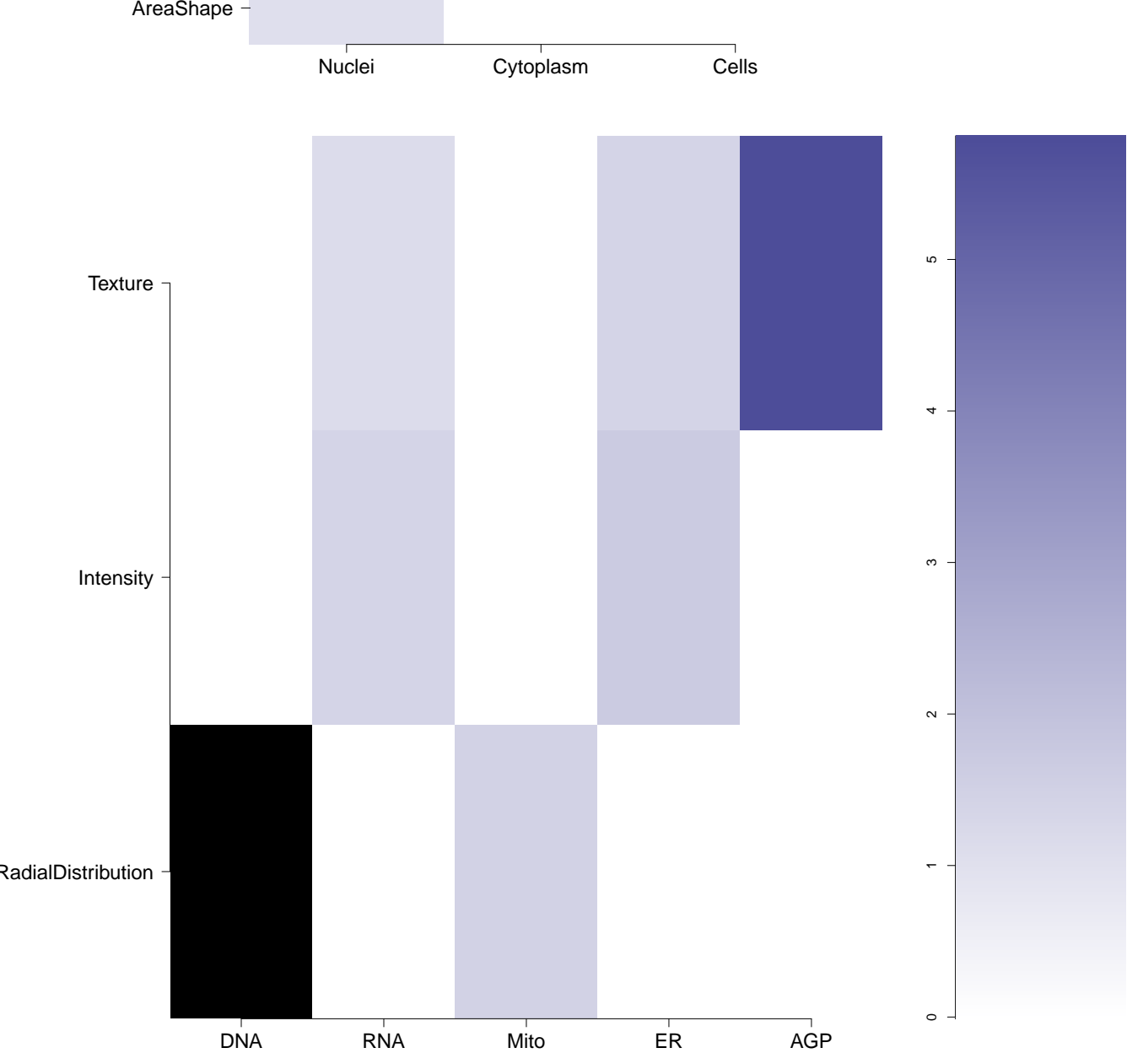
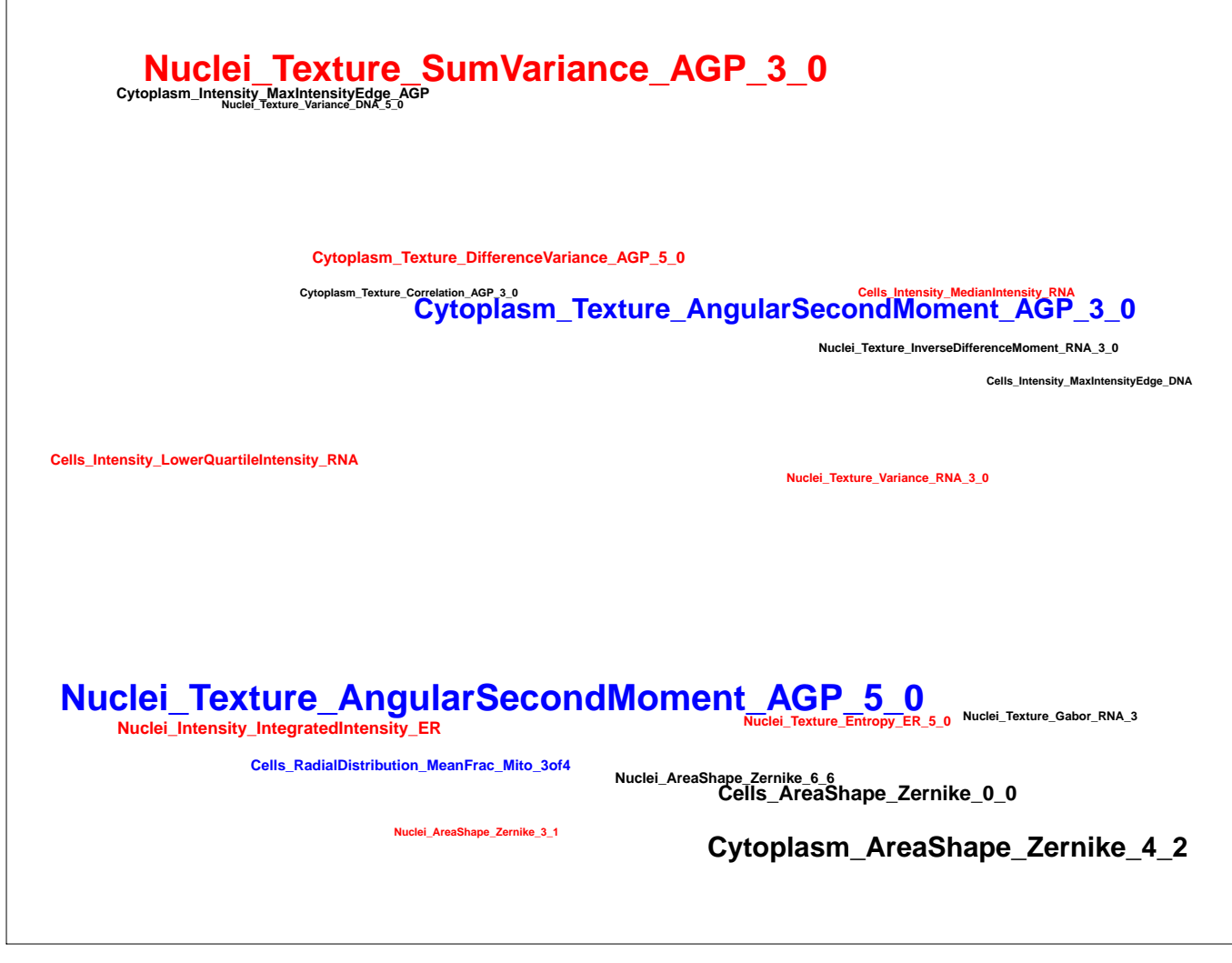


Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.52)	Correlation between compound the gene	Compound rank when scored against the gene using L1000 profiling	How similar is the compound signature to the genes in this experiment? (Yellow and red lines correspond to top/bottom 1st and 5th percentile DMSO correlation to all the genes)	Common distinguishing feature categories in the compound and the gene relative to the untreated samples	Distinguishing individual features for the compound relative to untreated samples. Black means a mismatch; i.e. active (= high z-score in magnitude) in the compound, and either inactive (= small z-score in magnitude) or oppositely active in the gene	Number of PubChem assays in which the compound was tested; assays in which the compound was active are itemized
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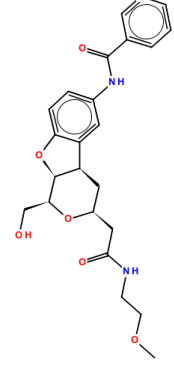
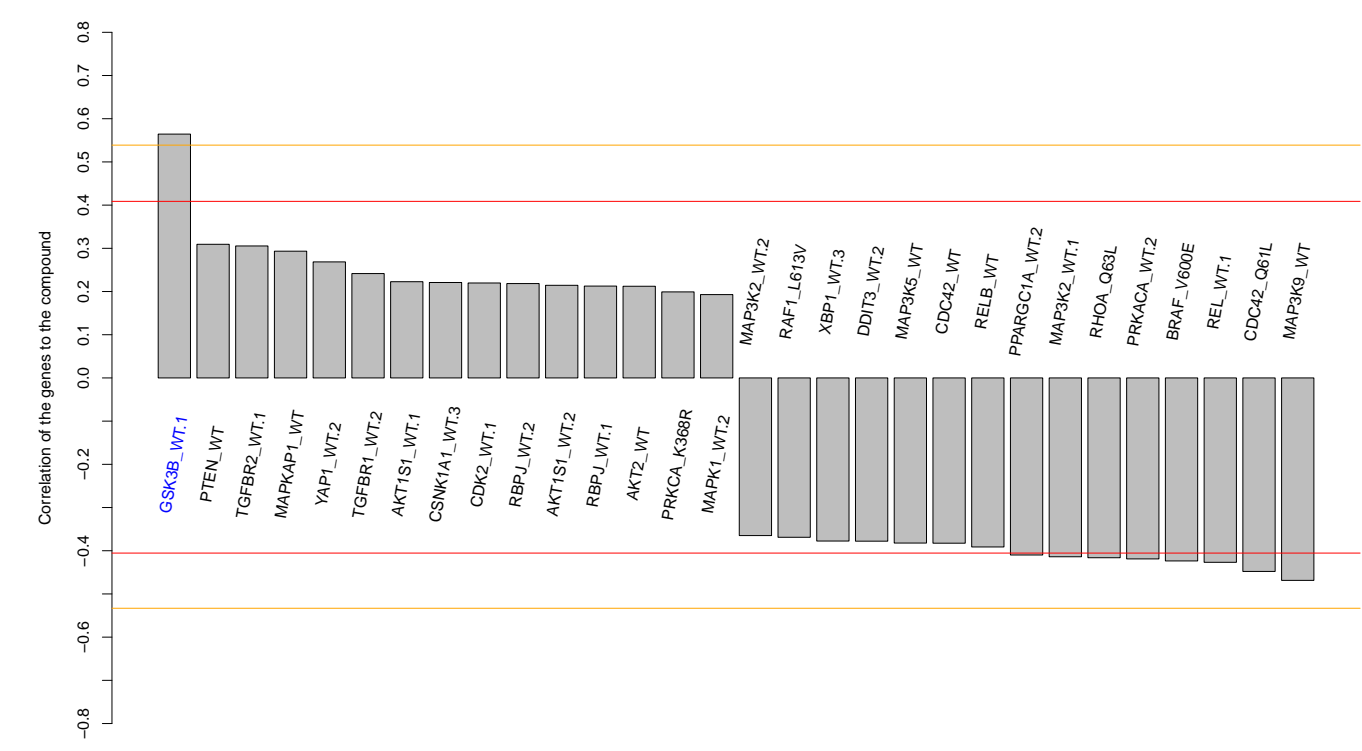
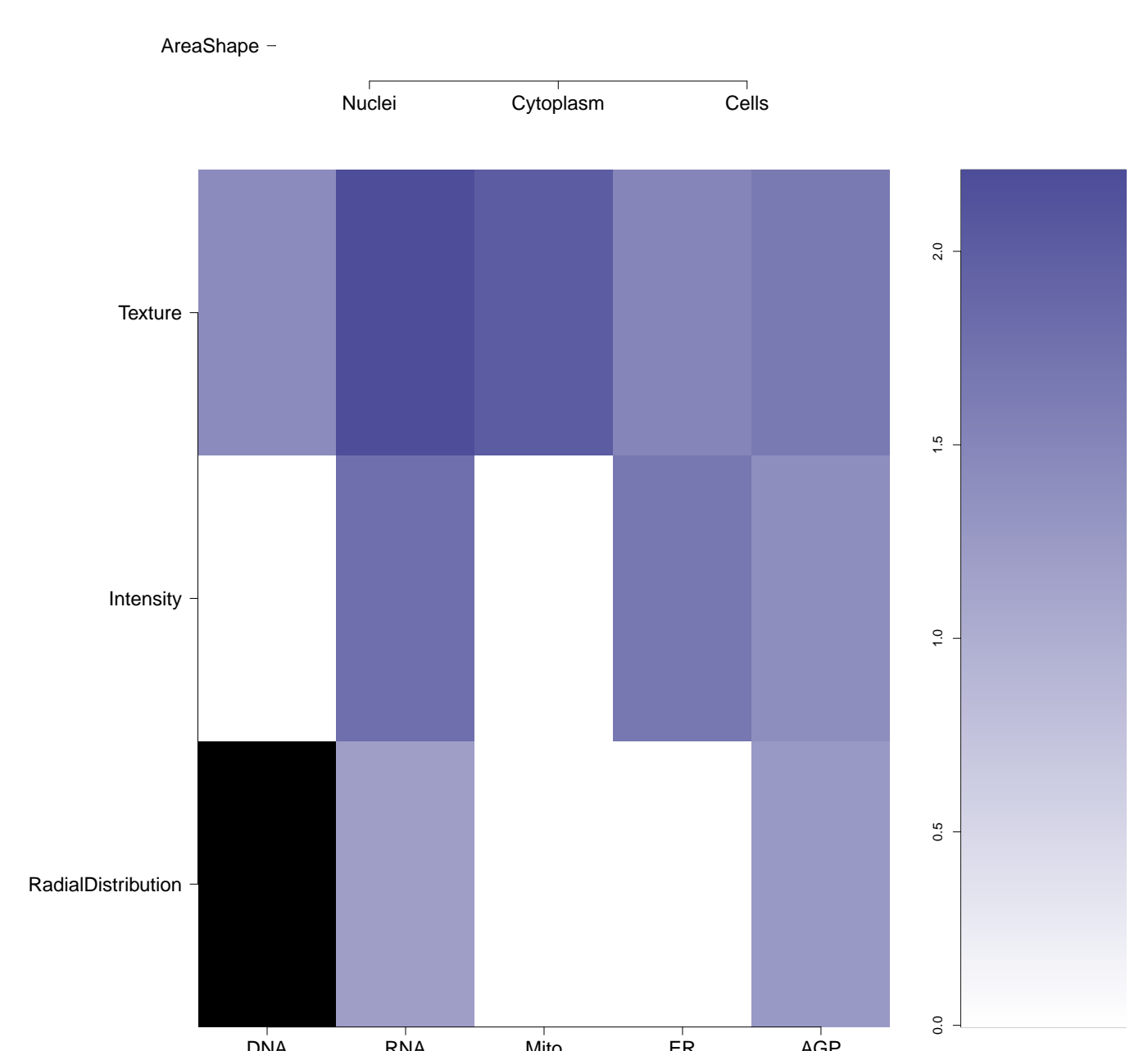

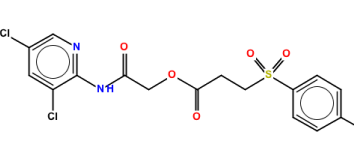
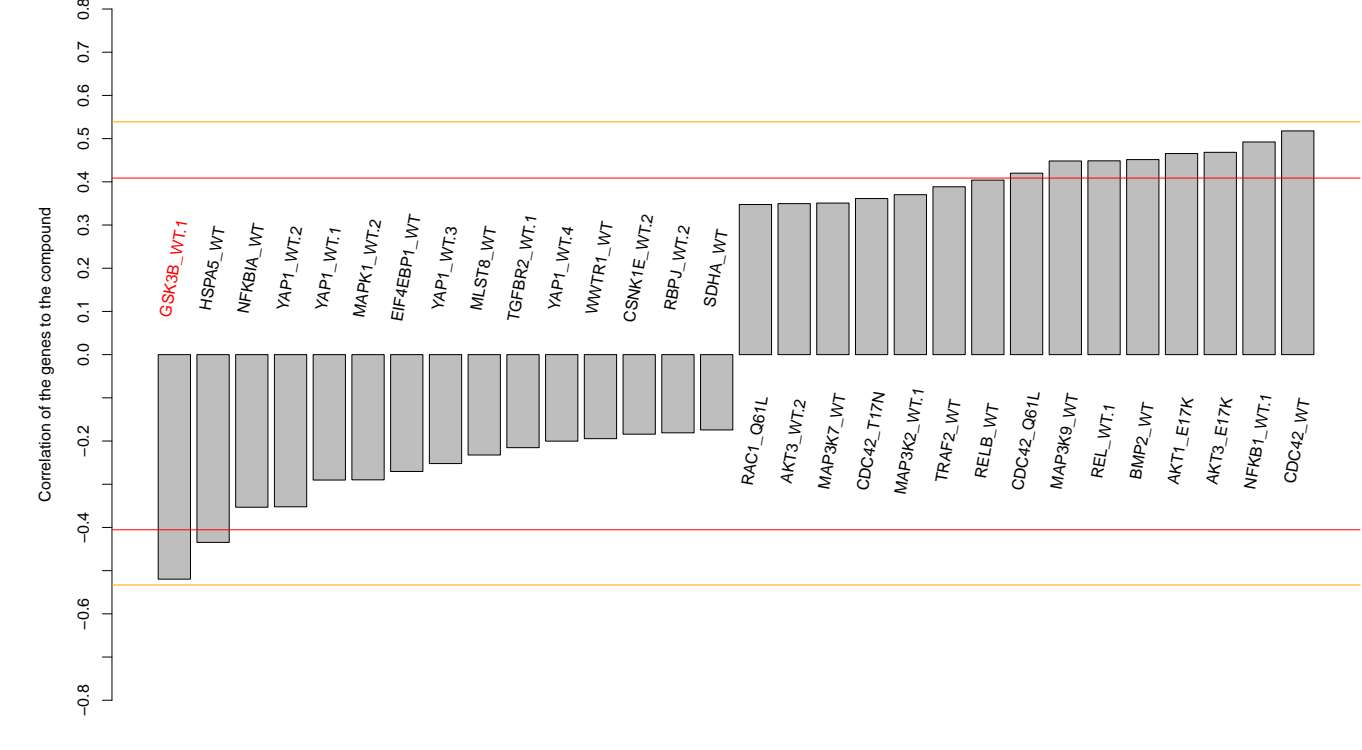
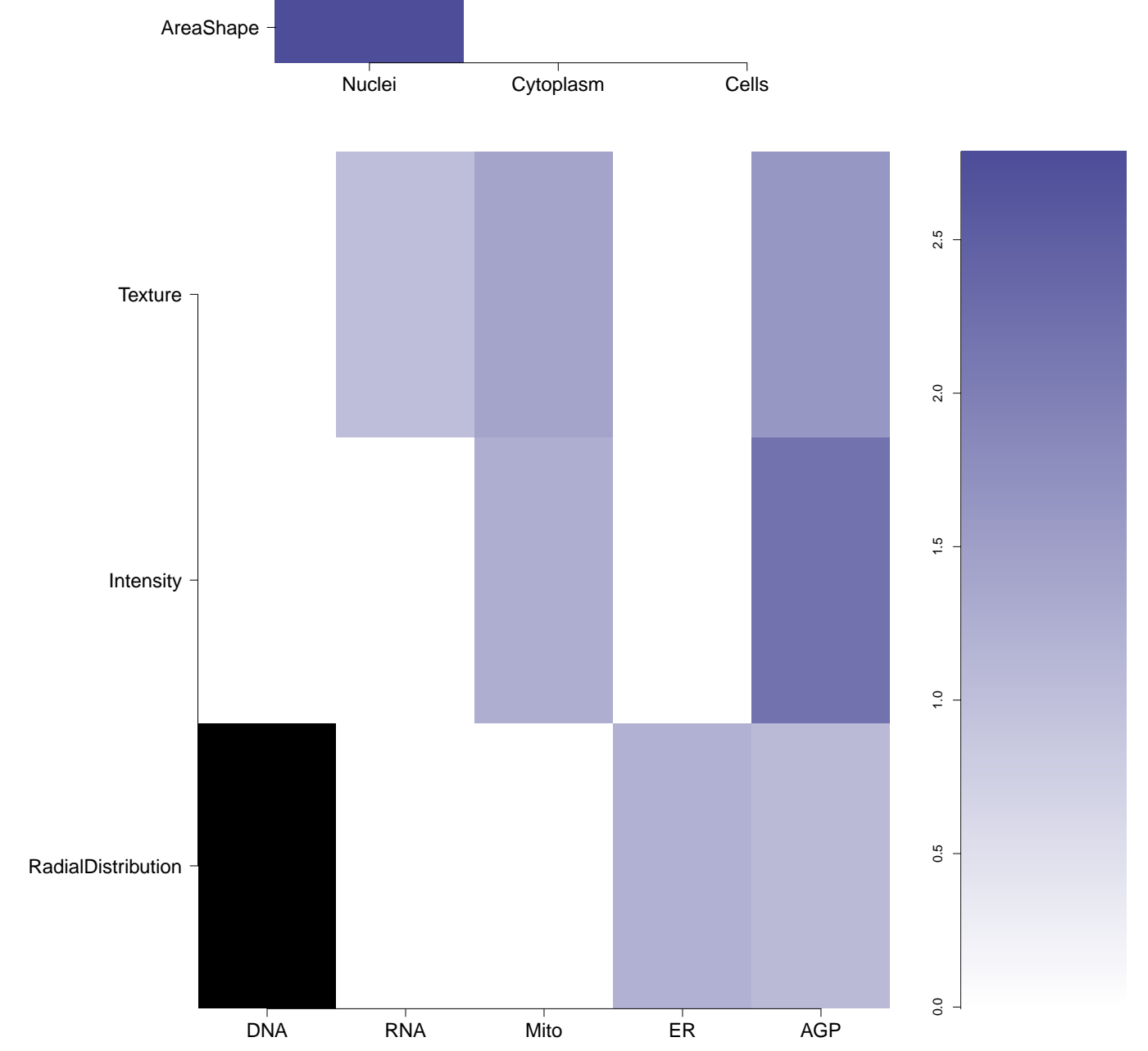

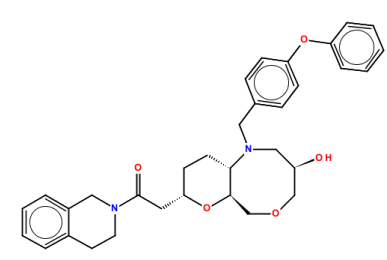
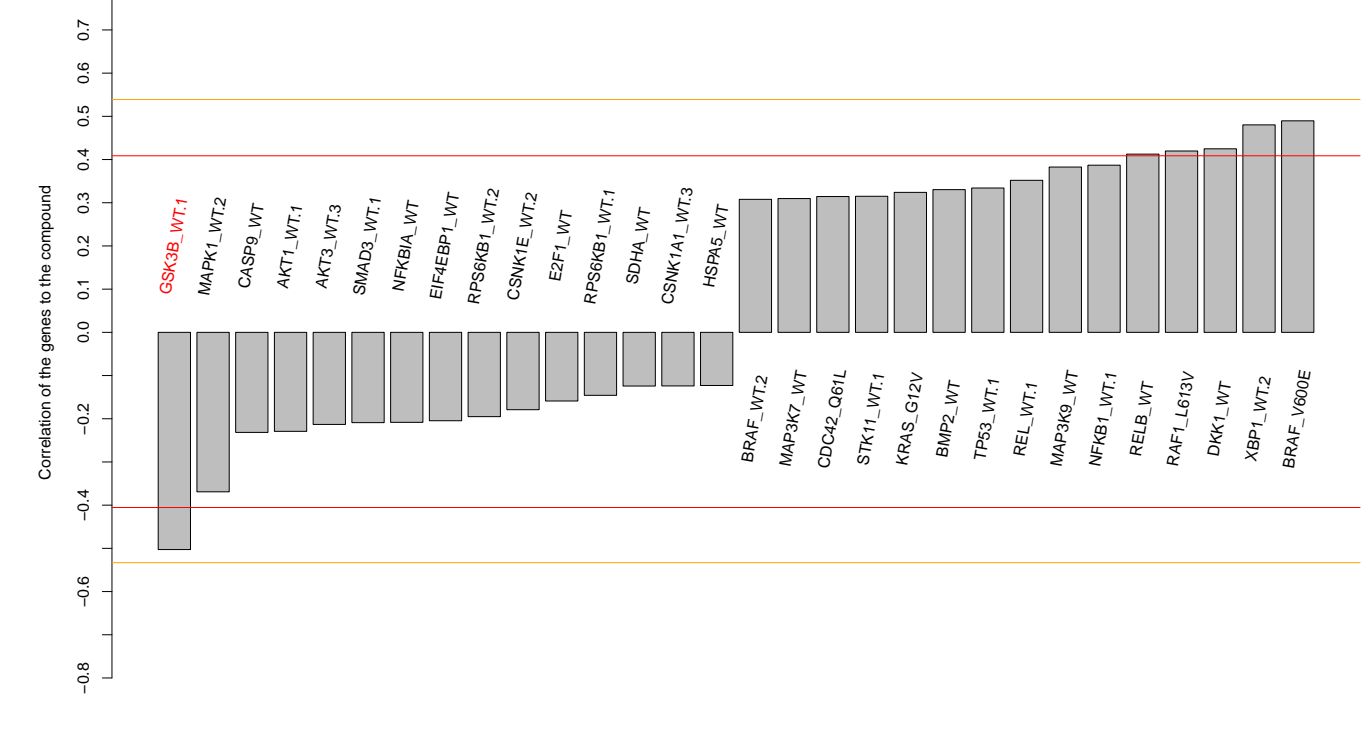
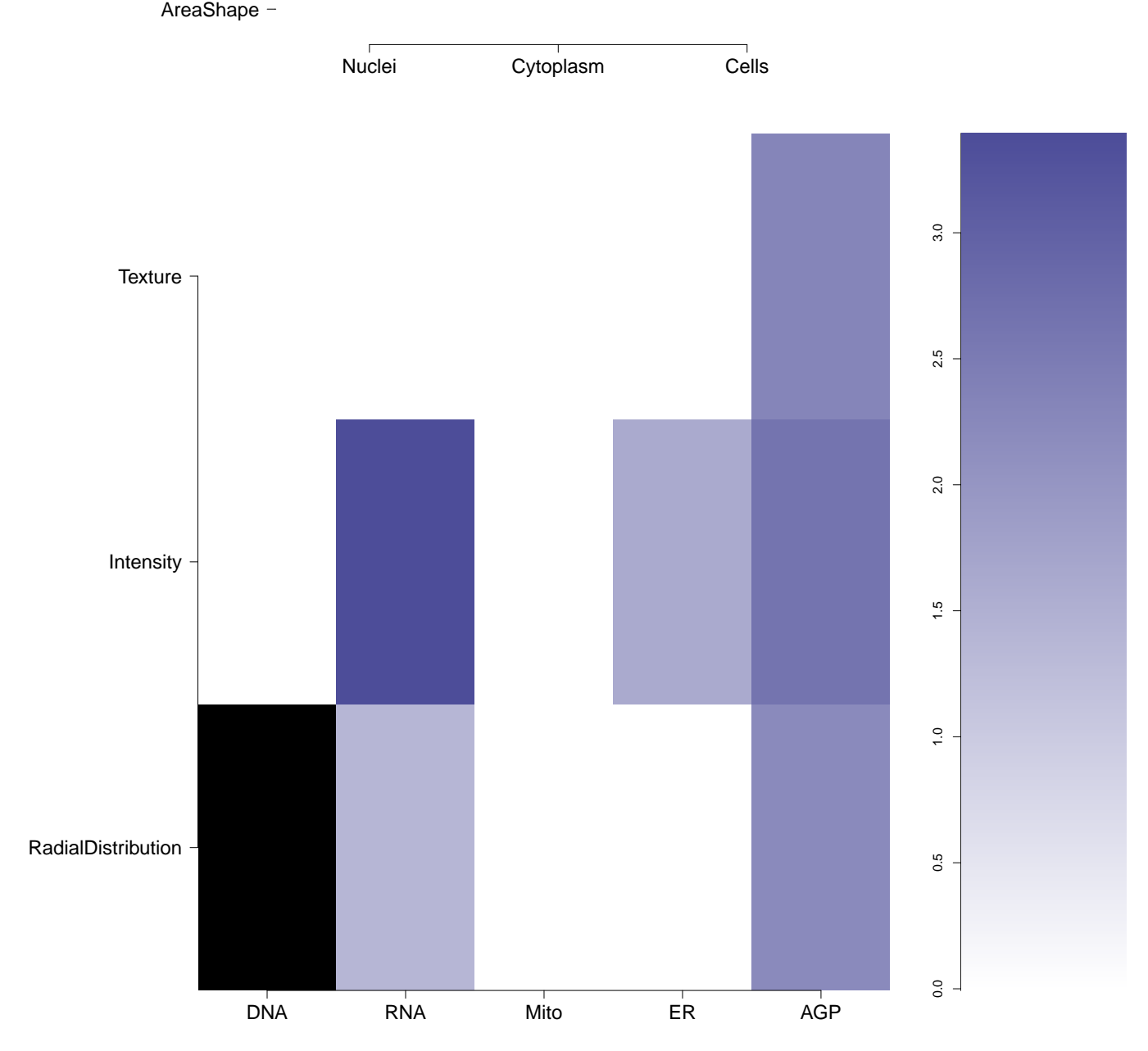

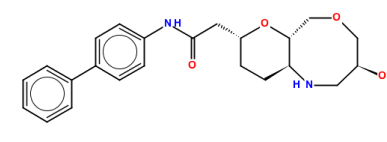
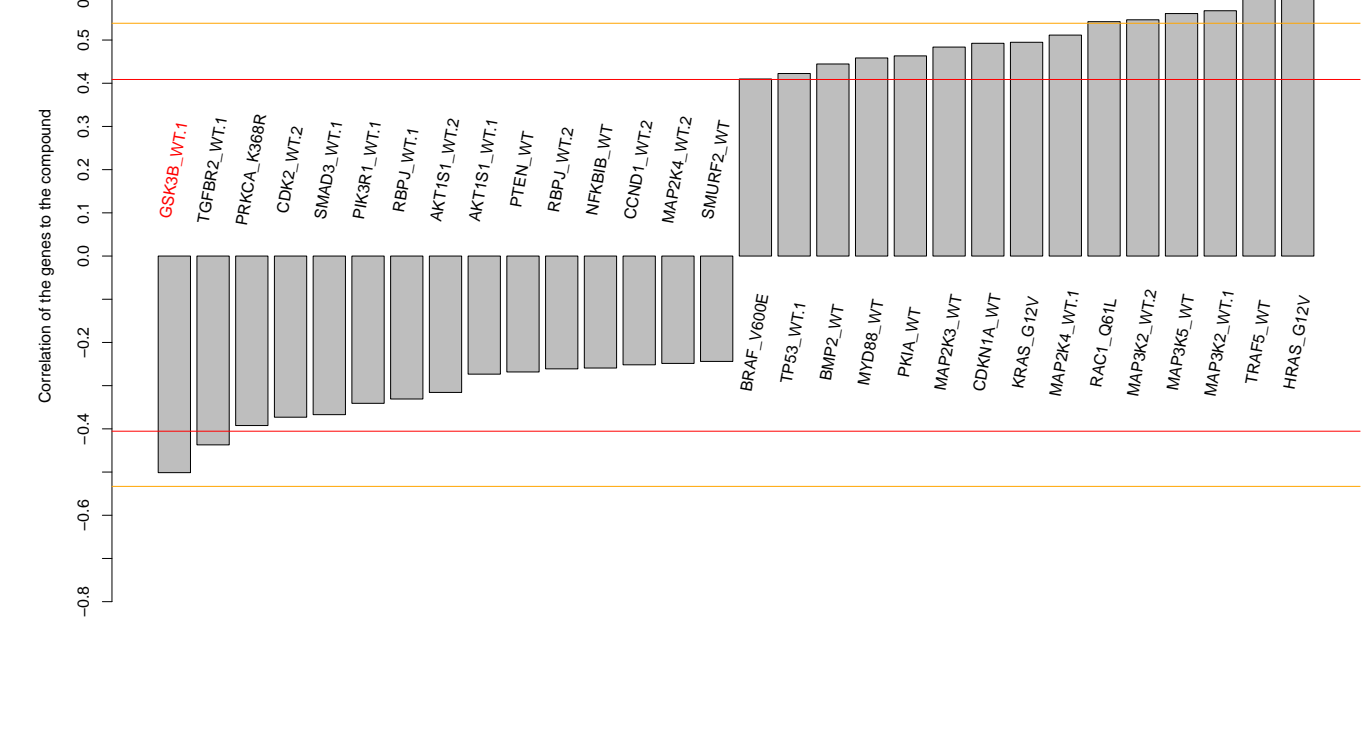
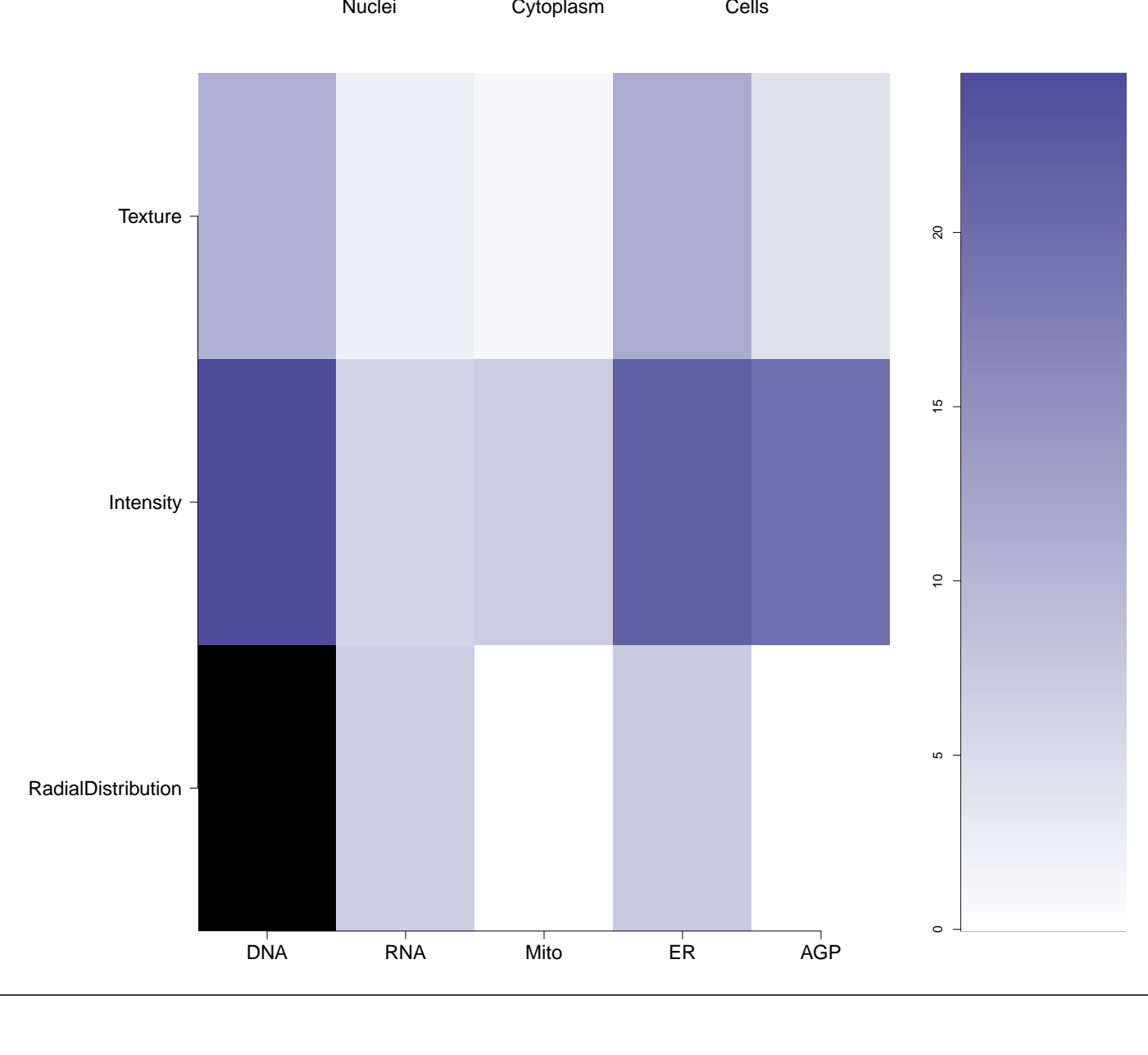

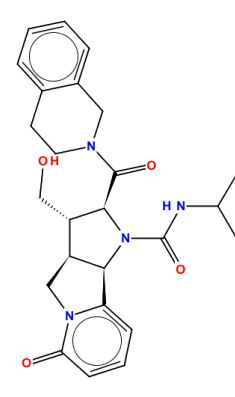
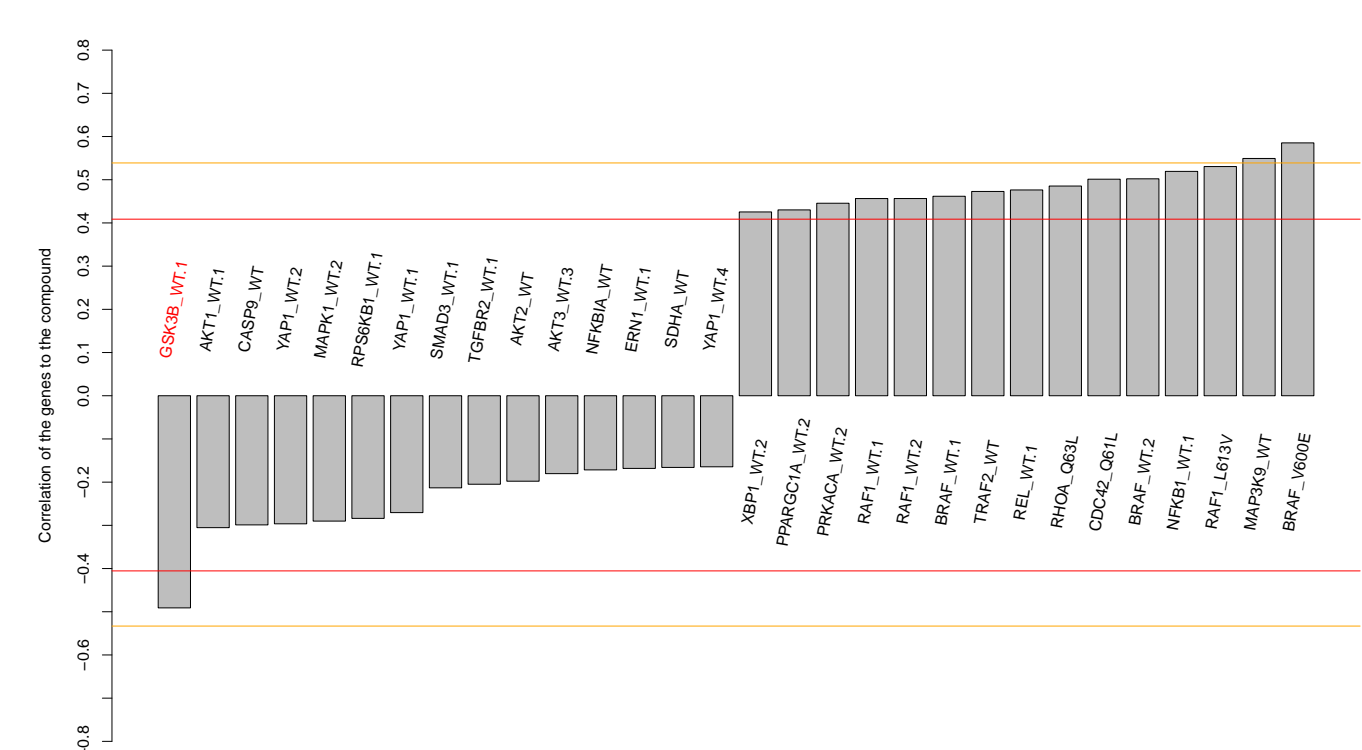
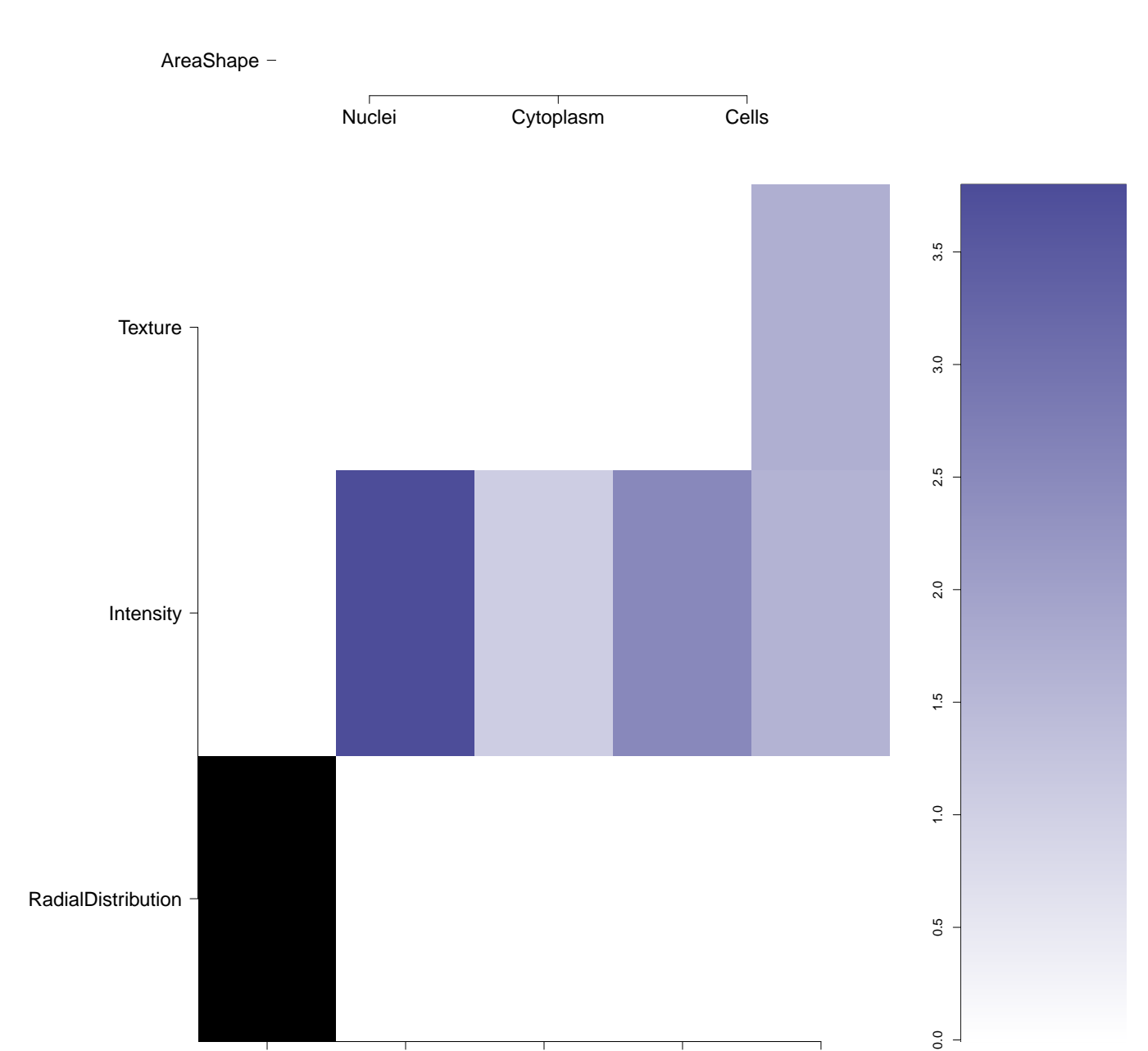

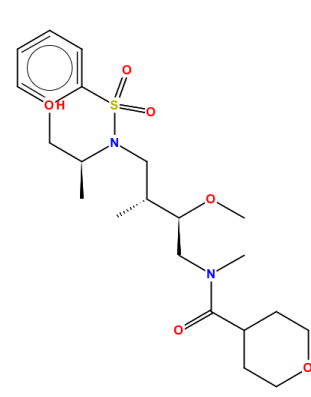
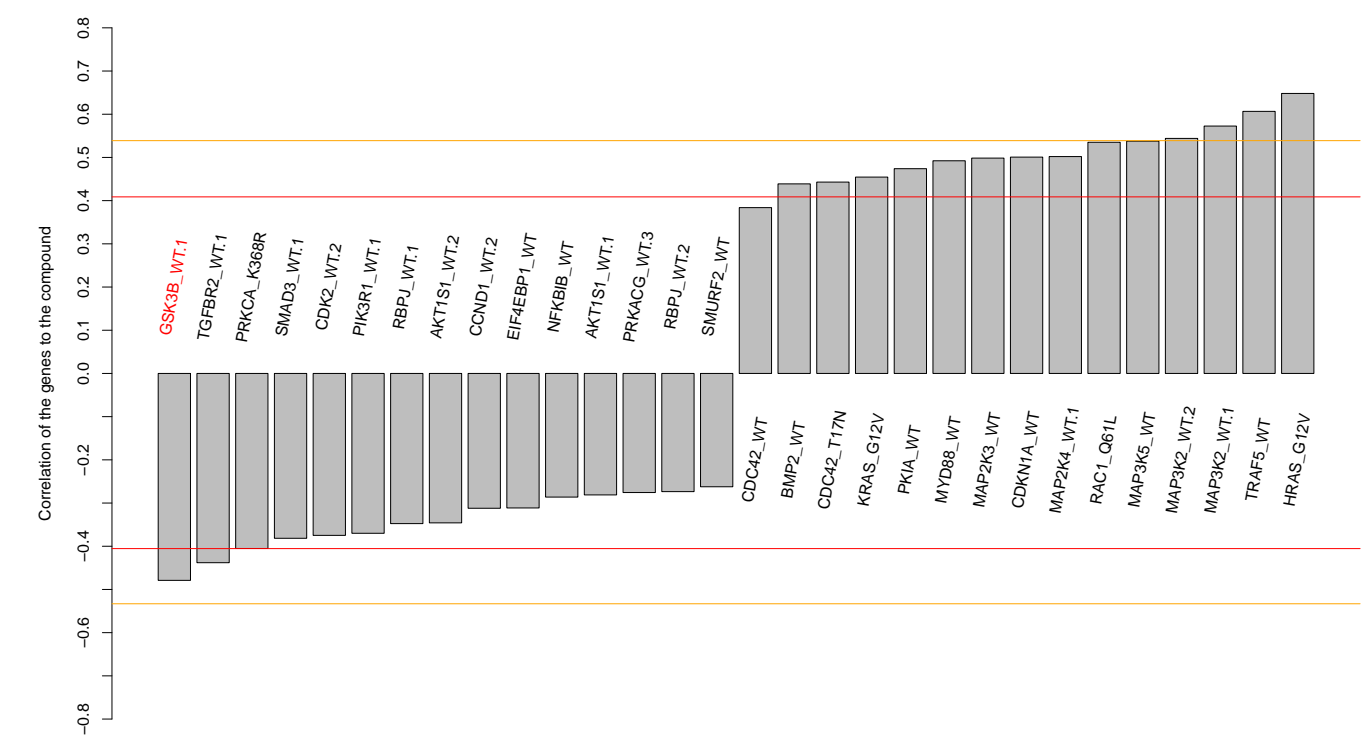
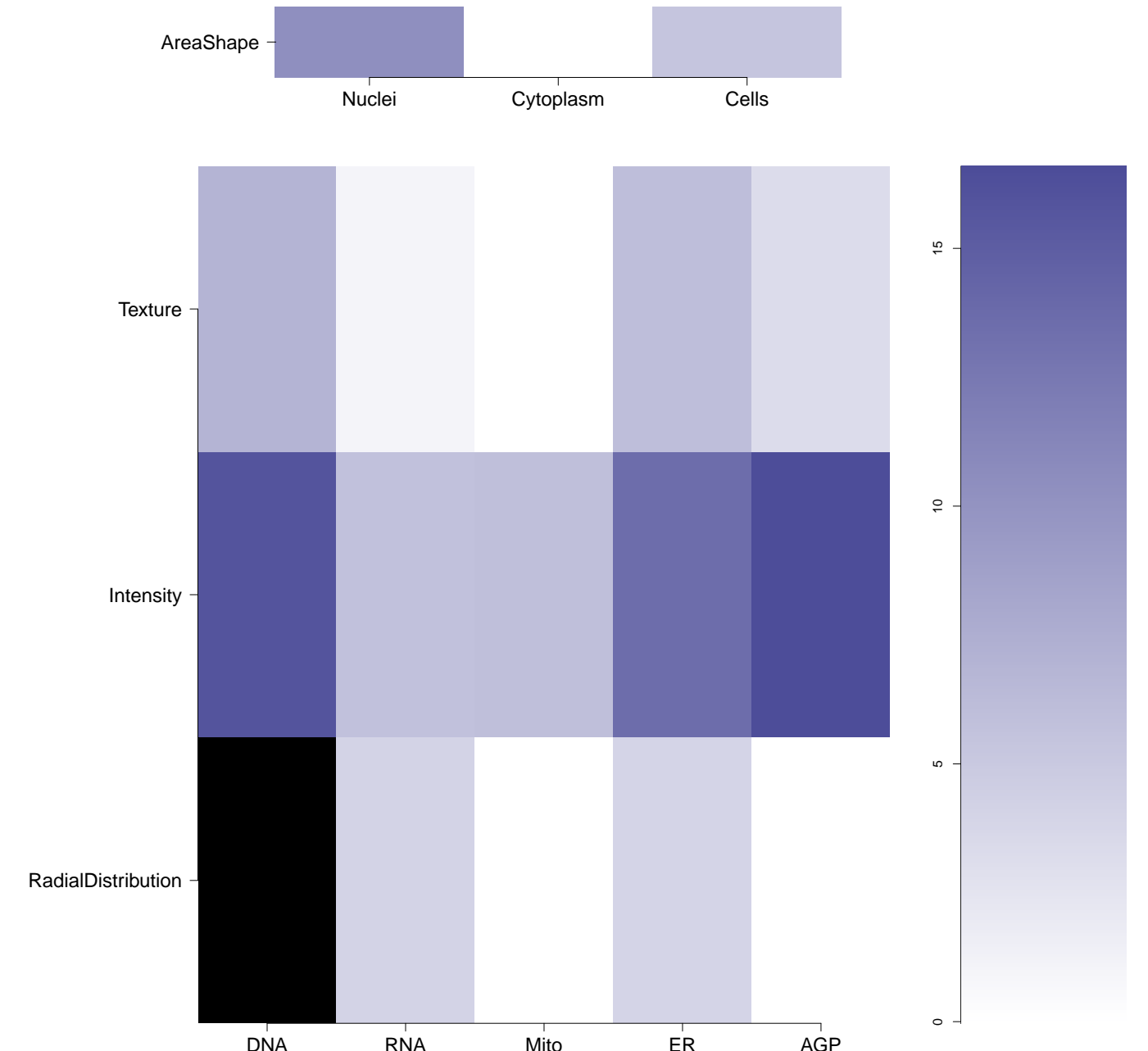
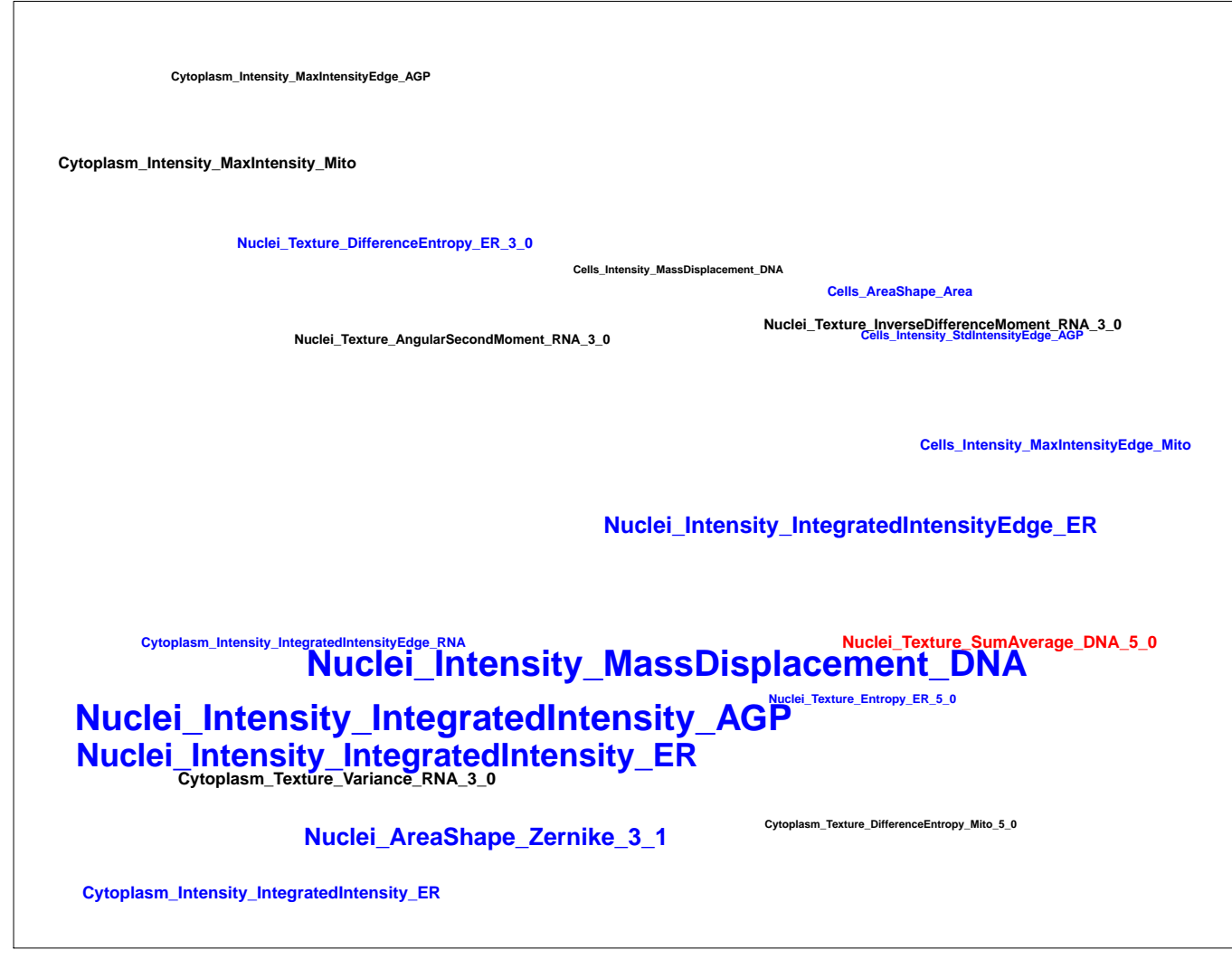
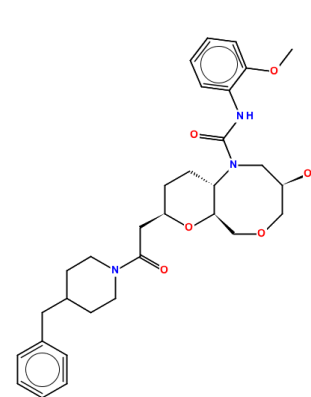
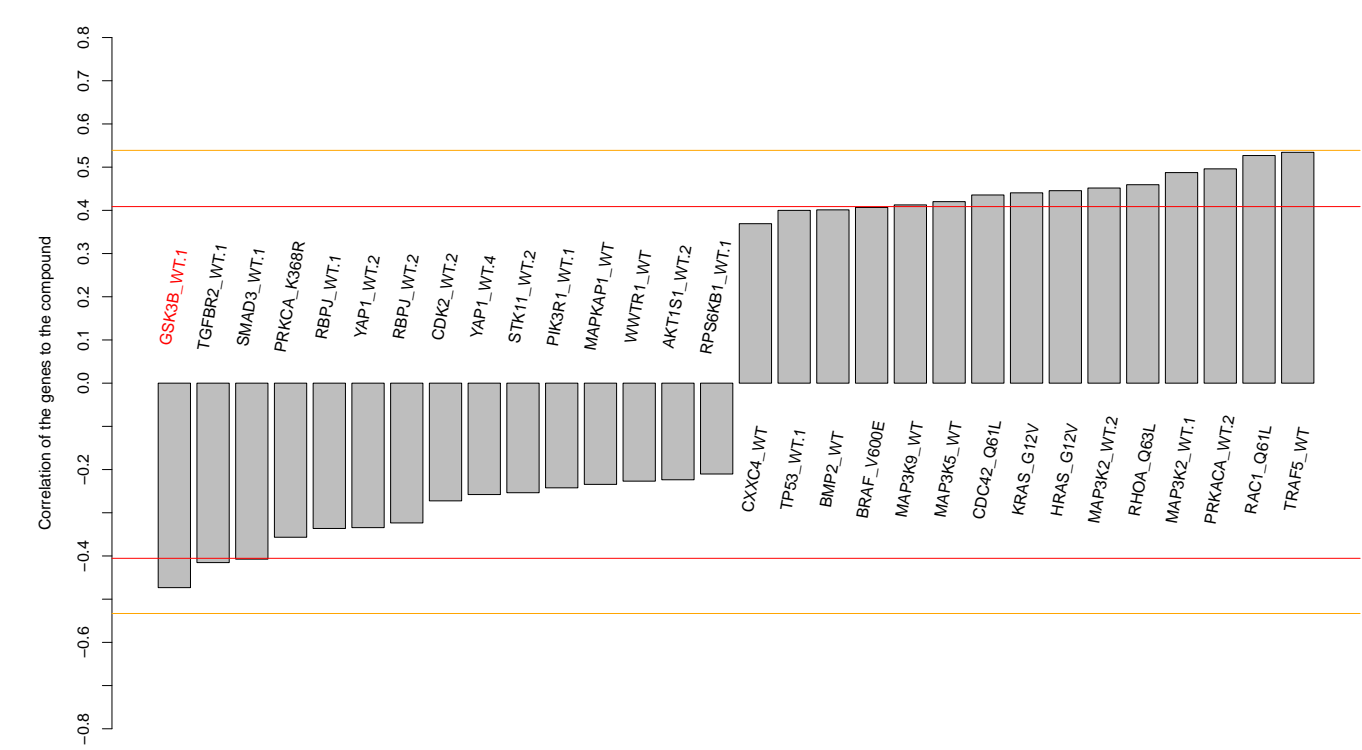
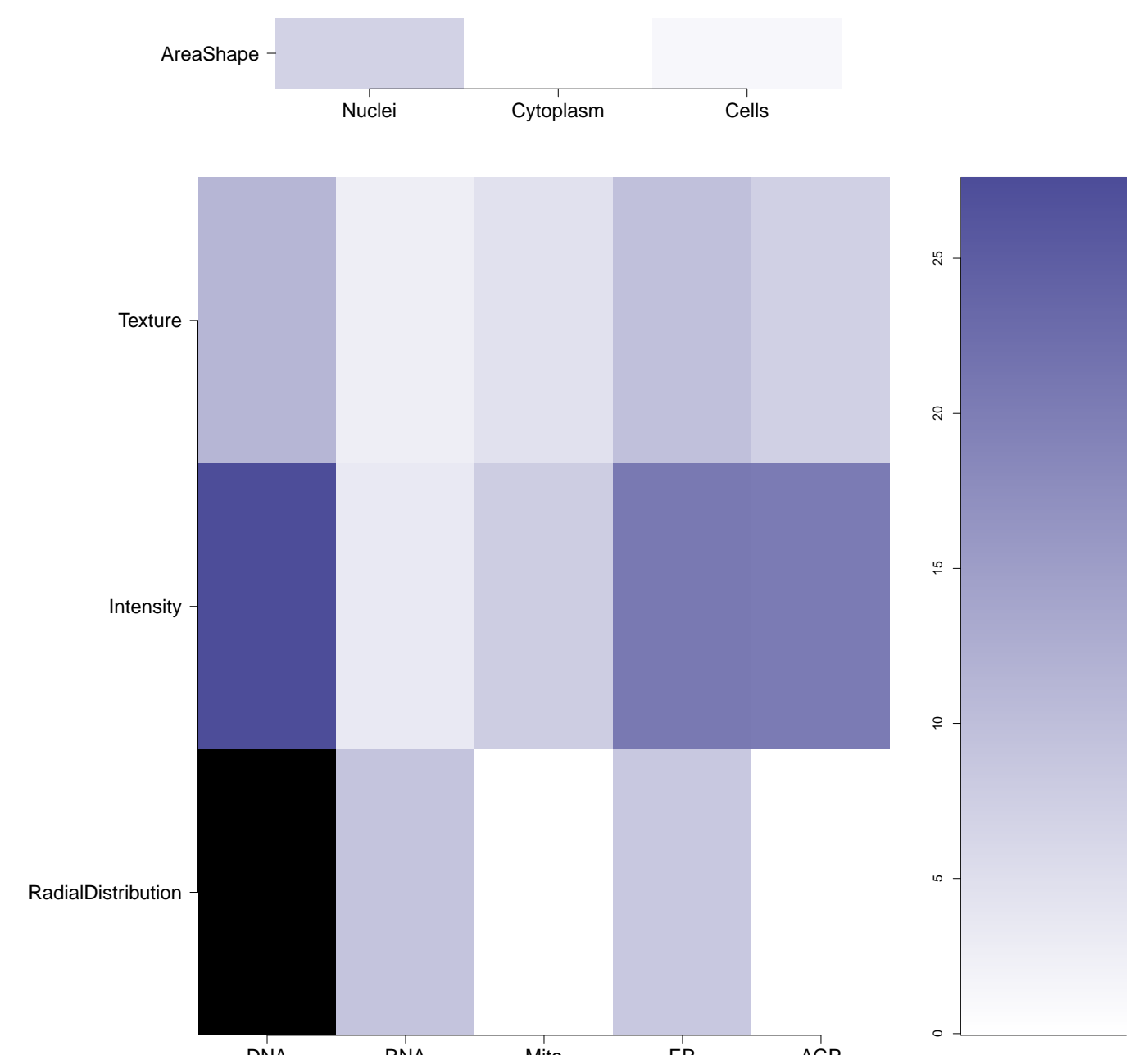
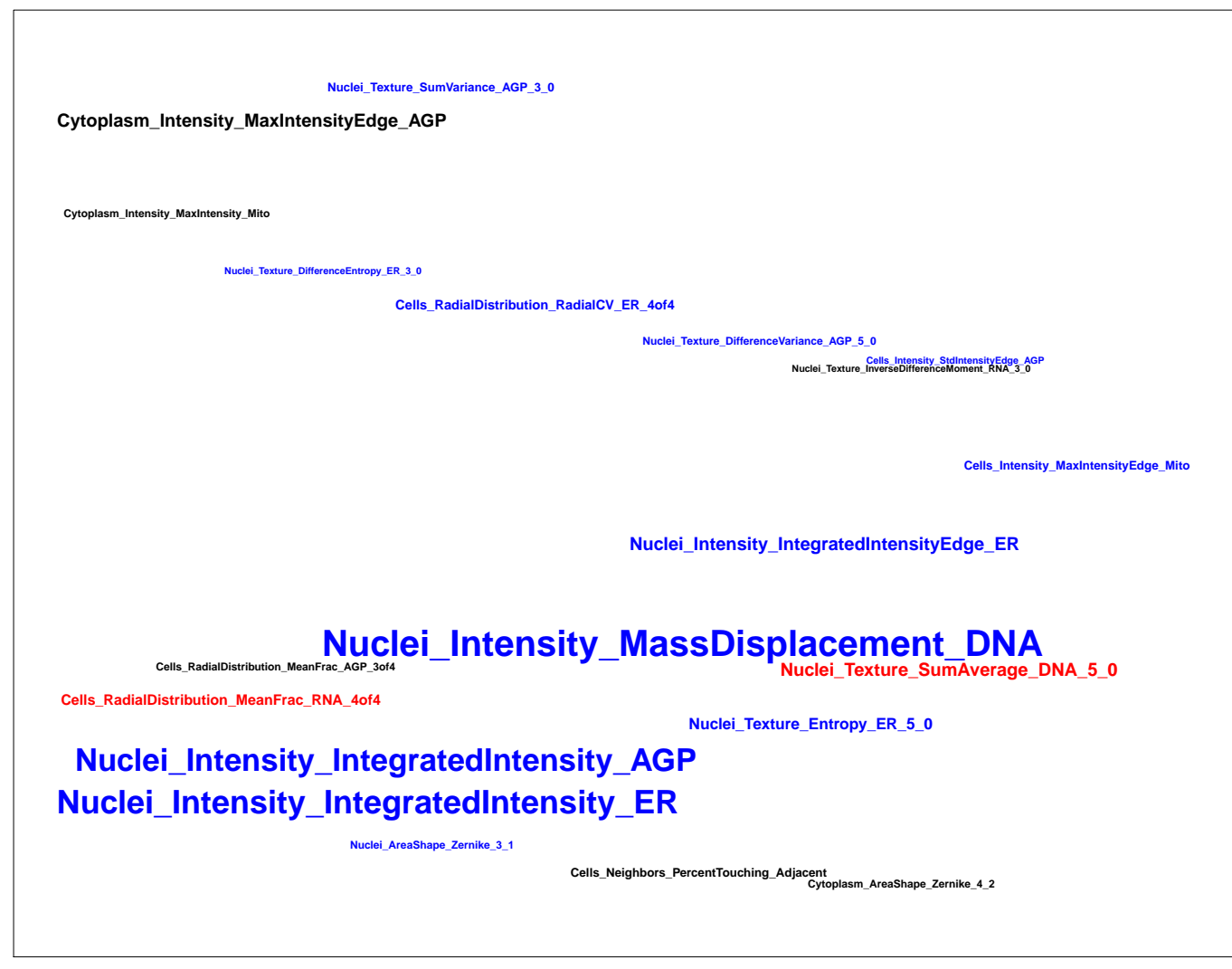


BRD-K22387508-001-01-5 PubChem CID : 54646033		NA (in 1 replicates)	0.62	0.725				Total number of assays tested in: 41.
BRD-K95356204-001-05-0 MLS000888970 HMS2218K23 HMS3349H02 SMR000462391 PubChem CID : 16745919		NA (in 1 replicates)	0.62	NA				Total number of assays tested in: 556. Active in the following assays: <ul style="list-style-type: none"><li>Fluorescence polarization-based counterscreen for RBBP9 inhibitors: primary biochemical high throughput screening assay to identify inhibitors of the oxidoreductase glutathione S-transferase omega 1 (GSTO1). (AID 1974)</li><li>qHTS Assay for Inhibitors of BAZ2B (AID 504333)</li><li>qHTS Assay for Inhibitors of JMJD2A-Tumor Domain (AID 504339)</li><li>qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a: Hit Confirmation (AID 588344)</li><li>uHTS identification of DNMT1 inhibitors in a Fluorescent Molecular Beacon assay (AID 588458)</li><li>qHTS Assay for Inhibitors of BAZ2B: Hit Validation (AID 588809)</li><li>qHTS Assay for Inhibitors of BAZ2B: Hit Validation in AlphaScreen Counterscreen. (AID 588859)</li><li>TRFRET-based biochemical primary high throughput screening assay to identify small molecules that bind to the HIV-1-gp120 binding antibody, PG9 (AID 624416)</li><li>TRFRET-based biochemical high throughput confirmation assay for small molecules that bind to the HIV-1-gp120 binding antibody, PG9 (AID 651571)</li><li>Counterscreen for discovery of small molecules that bind to the HIV-1-gp120 binding antibody, PG9: TR-FRET-based biochemical high throughput assay to identify small molecules that bind to the control antibody, PGV04, which binds to a site on the HIV envelope different from the PG9 binding site (AID 651604)</li><li>TRFRET-based biochemical primary high throughput screening assay to identify inhibitors of 5-mCpG-binding domain protein 2 (MBD2)-DBD binding to methylated oligonucleotide (AID 686964)</li></ul>
BRD-A76985501-001-06-9 AC1MWF4V MLS000589513 HMS2548J24 STK530431 SMR000212888 PubChem CID : 3723106		NA (in 1 replicates)	0.61	NA				Total number of assays tested in: 647. Active in the following assays: <ul style="list-style-type: none"><li>High Throughput Screen to Identify Compounds that Suppress the Growth of Human Colon Tumor Cells Lacking Oncogenic Beta Catenin Expression (AID 818)</li><li>High Throughput Screen to Identify Compounds that Suppress the Growth of Cells with a Deletion of the PTEN Tumor Suppressor (AID 827)</li><li>Leishmania major promastigote HTS (AID 1063)</li><li>qHTS for Inhibitors of Tau Fibril Formation, Thioflavin T Binding (AID 1460)</li><li>uHTS luminescence assay for the identification of compounds that inhibit NOD1 (AID 1578)</li><li>Fluorescence Cell-Free Homogenous Primary HTS to Identify Inhibitors of RecA Intein Splicing Activity (AID 2221)</li><li>Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)</li><li>A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)</li><li>qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)</li><li>Fluorescence Cell-Free Homogeneous Counter Screen to Identify Inhibitors of GFP Chlorophore Formation (AID 434968)</li><li>Fluorescence Cell-Free Homogeneous Dose Retest to Identify Inhibitors of RecA-Intein Splicing Activity (AID 435010)</li><li>Fluorescence Cell-Free Homogeneous Secondary Screen to Identify Non-Covalent Inhibitors of RecA-Intein Splicing Activity (AID 449750)</li><li>uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346)</li><li>qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxiredoxins (AID 485364)</li><li>Single concentration confirmation of uHTS for Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 489028)</li><li>Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Fluorescence Counterscreen assay (AID 504607)</li><li>Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Bcrx1/Bard1 BiLC Counterscreen assay. (AID 504608)</li><li>HTS Assay for Peg3 Promoter Inhibitors (AID 588405)</li><li>qHTS Assay for Inhibitors of Mammalian Selenoprotein Thioredoxin Reductase 1 (TrxR1): qHTS (AID 588453)</li><li>Vero 76 Cytotoxicity Assay for VEEV Compounds (AID 588719)</li><li>uHTS identification of cystic fibrosis induced NFkb Inhibitors in a fluorescence assay (AID 588850)</li><li>qHTS for Inhibitors of TGF-b (AID 588855)</li><li>uHTS determination of small molecule cytotoxicity in a fluorescence assay to identify cystic fibrosis induced NFkb Inhibitors (AID 602411)</li><li>Luminescence-based biochemical primary high throughput screening assay to identify inhibitors of the interaction of the lipase co-activator protein, abhydrolase domain containing 5 (ABHD5) with perilipin-5 (MLDP; PLIN5) (AID 602281)</li><li>uHTS identification of HIF-2a Inhibitors in a luminescence assay (AID 624352)</li><li>Single concentration confirmation of HIF-2a Inhibitors in a HIF-1a counterscreen in human MiAPaCa-2 Cells luciferase reporter assay (AID 651589)</li><li>Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651718)</li><li>qHTS of TDP-43 Inhibitors (AID 652104)</li><li>qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)</li><li>qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)</li><li>qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)</li><li>High Throughput Screening for Foot and Mouth Disease Virus Antivirals (AID 1159524)</li></ul>
BRD-K46737922-001-05-2 SMR000144923 ST50766085 AC1LZ5SR MLS000539286 MLS002548114 HMS2448E23 ZINC2327594 STK206870 PubChem CID : 1942357		NA (in 1 replicates)	0.61	NA				Total number of assays tested in: 685. Active in the following assays: <ul style="list-style-type: none"><li>CYP2C9 Assay (AID 777)</li><li>HTS for small molecule inhibitors of CHOP to regulate the unfolded protein response to ER stress (AID 2732)</li><li>qHTS screen for small molecules that inhibit ELG1-dependent DNA repair in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504407)</li><li>uHTS identification of microRNA-mediated mRNA deadenylation inhibitors by fluorescence polarization assay (AID 588489)</li><li>Counterscreen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483)</li></ul>



BRD-K4998974-001-05-4 AC1NT3BB MLS000700033 HMS2583K11 ZINC8684194 CCG-13239 SMR000228443 5839-29-2 PubChem CID : 5343920		NA (in 1 replicates)	0.60	NA				<p>Total number of assays tested in: 658. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Screen for Chemicals that Inhibit the RAM Network (AID 868)</li> <li>qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)</li> <li>qHTS identification of small molecule inhibitors of the thioesterase domain of fatty acid synthase via a fluorescence intensity assay (AID 60261)</li> </ul>
BRD-K59420052-001-05-1 ST50277656 ZINC00318938 AC1LFSO4 MLS000677351 HMS2648M19 ZINC318938 CCG-15022 BAS 05338703 SMR000286104 PubChem CID : 808203		NA (in 1 replicates)	0.58	NA				<p>Total number of assays tested in: 636. Active in the following assays:</p> <ul style="list-style-type: none"> <li>MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)</li> <li>Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)</li> <li>A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)</li> <li>Luminescence-based primary cell-based high throughput screening assay to identify activators of the Aryl Hydrocarbon Receptor (AHR) (AID 2796)</li> <li>qHTS Assay for NPC1 Promoter Activators (AID 485313)</li> <li>qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 58812)</li> <li>Fluorescence-based cell-based primary high throughput screening assay to identify agonists of the human trace amine associated receptor-1 (TAAR1) (AID 624467)</li> <li>Fluorescence-based cell-based primary high throughput confirmation assay to identify agonists of the human trace amine associated receptor 1 (TAAR1) (AID 651783)</li> <li>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)</li> <li>qHTS for Inhibitors of PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720604)</li> <li>qHTS for Inhibitors of Inflammason Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)</li> <li>Wnt/Beta-catenin HTS Measured in Cell-Based System Using Plate Reader - 2161-01 Activator SinglePoint HTS Activity (AID 743398)</li> </ul>
BRD-K21906179-001-01-1 MLS003129748 SMR001834194 PubChem CID : 4449488		0.60 (in 7 replicates)	0.57	NA				<p>Total number of assays tested in: 91.</p>
BRD-K04190958-001-05-1 MLS000582256 STK201550 SMR000200794 AC1NX0RQ BDBM53783 ZINC4739815 PubChem CID : 5740612		NA (in 1 replicates)	0.57	NA				<p>Total number of assays tested in: 682. Active in the following assays:</p> <ul style="list-style-type: none"> <li>HTS to identify specific small molecule inhibitors of Ras and Ras-related GTPases specifically Ras wildtype (AID 759)</li> <li>HTS to identify specific small molecule inhibitors of Ras and Ras-related GTPases specifically Rab2 wildtype (AID 760)</li> <li>HTS to identify specific small molecule inhibitors of Ras and Ras-related GTPases specifically Cdc42 wildtype (AID 761)</li> <li>qHTS Assay for Inhibitors of 15-hLO-2 (15-human lipoxygenase 2) (AID 881)</li> <li>qHTS identification of compounds inhibiting the binding between the RUXN1 Runt domain and CBFb-SMMHC via a fluorescence resonance energy transfer (FRET) assay. (AID 1434)</li> <li>Inhibitors of Plasmodium falciparum M1- Family Alanyl Aminopeptidase (M1AAP) (AID 1445)</li> <li>QFRET-based counterscreen for PFM18AAP inhibitors: biochemical high throughput screening assay to identify inhibitors of the Cathepsin L proteinase (CTSL1). (AID 1906)</li> <li>384-well Z-Lyte format Hck-Nef inhibitor HTS run at the PMLSC (AID 463187)</li> <li>384-well Z-Lyte format Hck-Nef inhibitor HTS: Confirmation Assays (AID 463188)</li> <li>qHTS for Inhibitors of Polymerase Eta (AID 588591)</li> <li>Luminescence-based cell-based primary high throughput screening assay to identify agonists of the mouse 5-hydroxytryptamine (serotonin) receptor 2A (HTR2A) (AID 624169)</li> <li>Counterscreen for agonists of the mouse 5-hydroxytryptamine (serotonin) receptor 2A (HTR2A): Luminescence-based cell-based high throughput screening assay to identify agonists of the mu 1 opioid receptor (OPRM1) (AID 624380)</li> <li>Fluorescence-based biochemical primary high throughput screening assay to identify molecules that bind r(CAG) RNA repeats (AID 651821)</li> <li>MLPCN SirT-5 Measured in Biochemical System Using Imaging - 7044-01 Inhibitor SinglePoint HTS Activity-Set5 (AID 652115)</li> <li>qHTS for Inhibitors of Polymerase Eta: Confirmatory Assay for Cherry-picked Compounds (AID 720502)</li> </ul>
BRD-A47393232-001-05-0 MLS000409274 SMR000243613 AC1NIO3E MLS003912484 BDBM114051 HMS2575L04 T5304168 PubChem CID : 4834110		NA (in 1 replicates)	0.57	NA				<p>Total number of assays tested in: 639. Active in the following assays:</p> <ul style="list-style-type: none"> <li>qHTS Assay for Inhibitors of the ERK Signaling Pathway using a Homogeneous Screening Assay: Stimulation with EGF (AID 1454)</li> <li>Counterscreen qHTS for Inhibitors of Tau Fibril Formation, Fluorescence Polarization (AID 1463)</li> <li>qHTS Assay for Promiscuous and Specific Inhibitors of Cruzain (without detergent) (AID 1476)</li> <li>Multiplex HTS Assay for Inhibitors of MEK Kinase PB1 Domains, specifically MEK5 MEK Kinase 2 mutant (AID 1530)</li> <li>Multiplex HTS Assay for Inhibitors of MEK Kinase PB1 Domains, specifically MEK5 binding to MEK Kinase 2 Wildtype (AID 1531)</li> <li>Nrf2 qHTS screen for inhibitors (AID 504444)</li> <li>Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832)</li> <li>Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 96 hour incubation (AID 504834)</li> <li>High-throughput multiplex microsphere screening for inhibitors of toxin protease, specifically Botulinum neurotoxin light chain A protease, MLPCN compound set (AID 588499)</li> <li>HTS to identify compounds that promote myeloid differentiation with MLPCN compound set (AID 624256)</li> <li>QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM10. (AID 720582)</li> <li>QFRET-based biochemical primary high throughput screening assay to identify exosite inhibitors of ADAM17. (AID 720648)</li> <li>QFRET-based biochemical high throughput confirmation assay to identify exosite inhibitors of ADAM17 (AID 743257)</li> <li>Counterscreen for exosite inhibitors of ADAM17: Fluorescence resonance energy transfer (FRET)-based biochemical high throughput dose response assay to identify inhibitors of ADAM10 (AID 743259)</li> </ul>



BRD-K97711917-001-01-1 PubChem CID : 54647139		0.55 (in 4 replicates)	0.56	0.725				Total number of assays tested in: 37.
BRD-K98220872-001-05-6 SMR000063175 T5226390 AC1M0LWL MLS000097570 MLS002634422 HMS2371M15 ZINC2617377 ZINC02617377 PubChem CID : 2079202		NA (in 1 replicates)	-0.52	NA				Total number of assays tested in: 772. Active in the following assays: <ul style="list-style-type: none"> <li>qHTS Assay for Spectroscopic Profiling in 4-MU Spectral Region (AID 589)</li> <li>qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590)</li> <li>qHTS of Mcl-1/Bcl interaction inhibitors (AID 1021)</li> </ul>
BRD-K07339740-001-01-3 PubChem CID : 54657692		0.54 (in 4 replicates)	-0.50	0.275				Total number of assays tested in: 24. Active in the following assays: <ul style="list-style-type: none"> <li>Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-06.Inhibitor.Dose.DryPowder.Activity.Set2 (AID 624361)</li> <li>Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-05.Inhibitor.Dose.DryPowder.Activity.Set2 (AID 624369)</li> <li>Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-01.Inhibitor.Dose.DryPowder.Activity.Set2 (AID 624376)</li> <li>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)</li> </ul>
BRD-K20433775-001-01-5 PubChem CID : 54657676		0.93 (in 4 replicates)	-0.50	0.115				Total number of assays tested in: 39.
BRD-K33341138-001-01-7 PubChem CID : 54660960		0.56 (in 4 replicates)	-0.49	0.275				Total number of assays tested in: 28.
BRD-K85229892-001-01-7 PubChem CID : 54649286		0.92 (in 2 replicates)	-0.48	0.203				Total number of assays tested in: 38.
BRD-K05543055-001-01-1 PubChem CID : 54657596		0.86 (in 4 replicates)	-0.47	0.275				Total number of assays tested in: 29.



