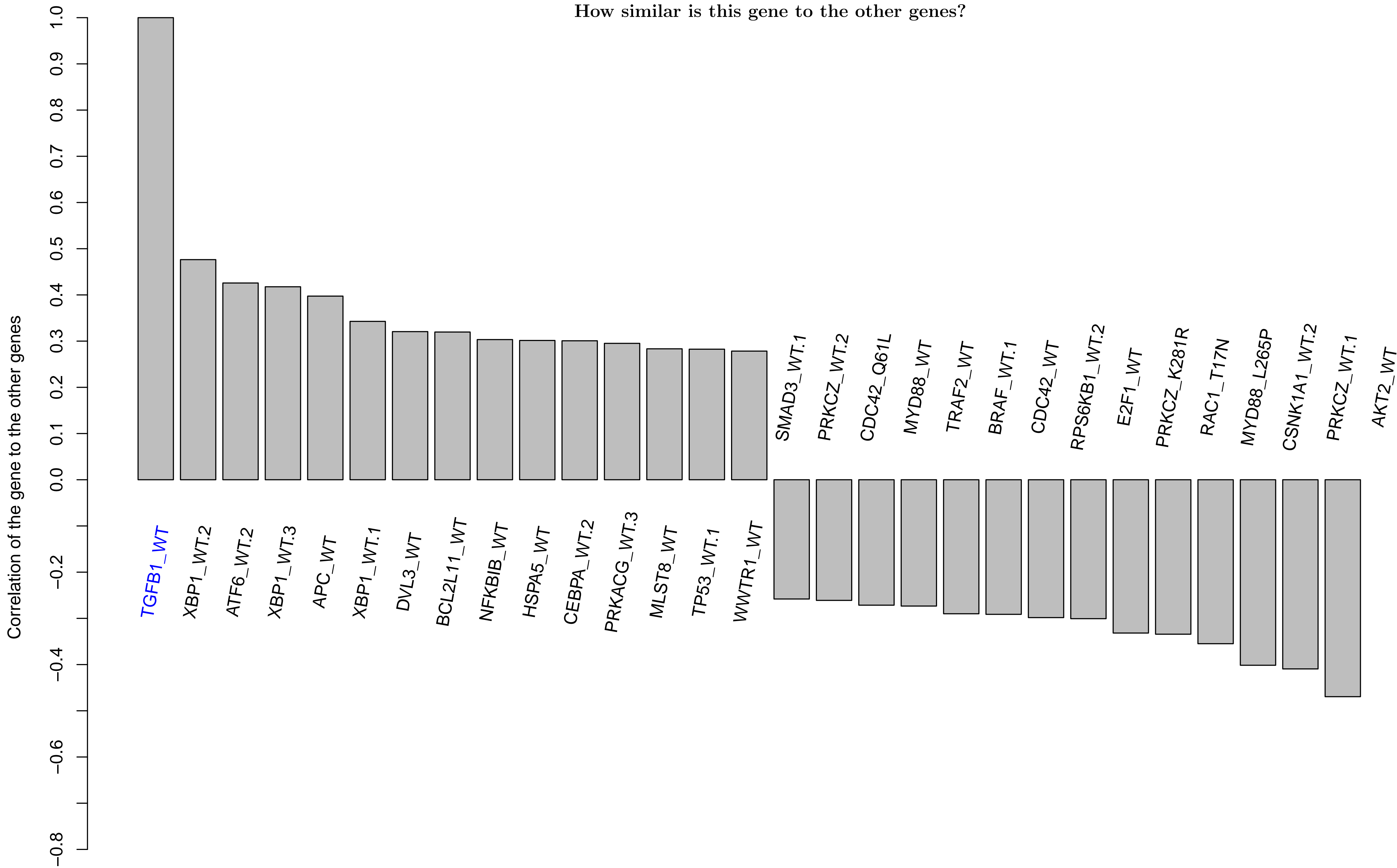
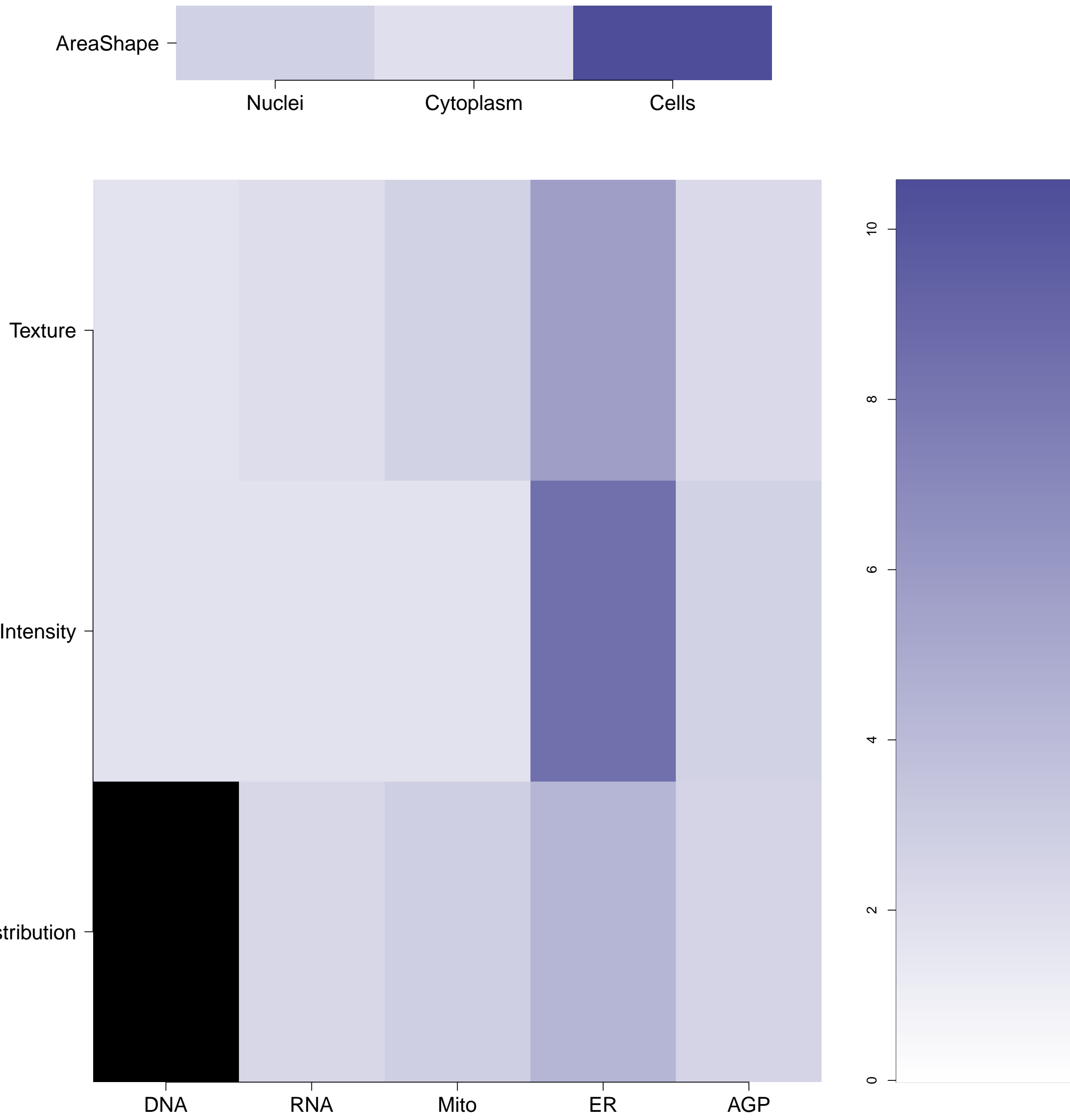


TGFB1.WT - in Canonical TGFbeta

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

TGFB1.WT (41744)

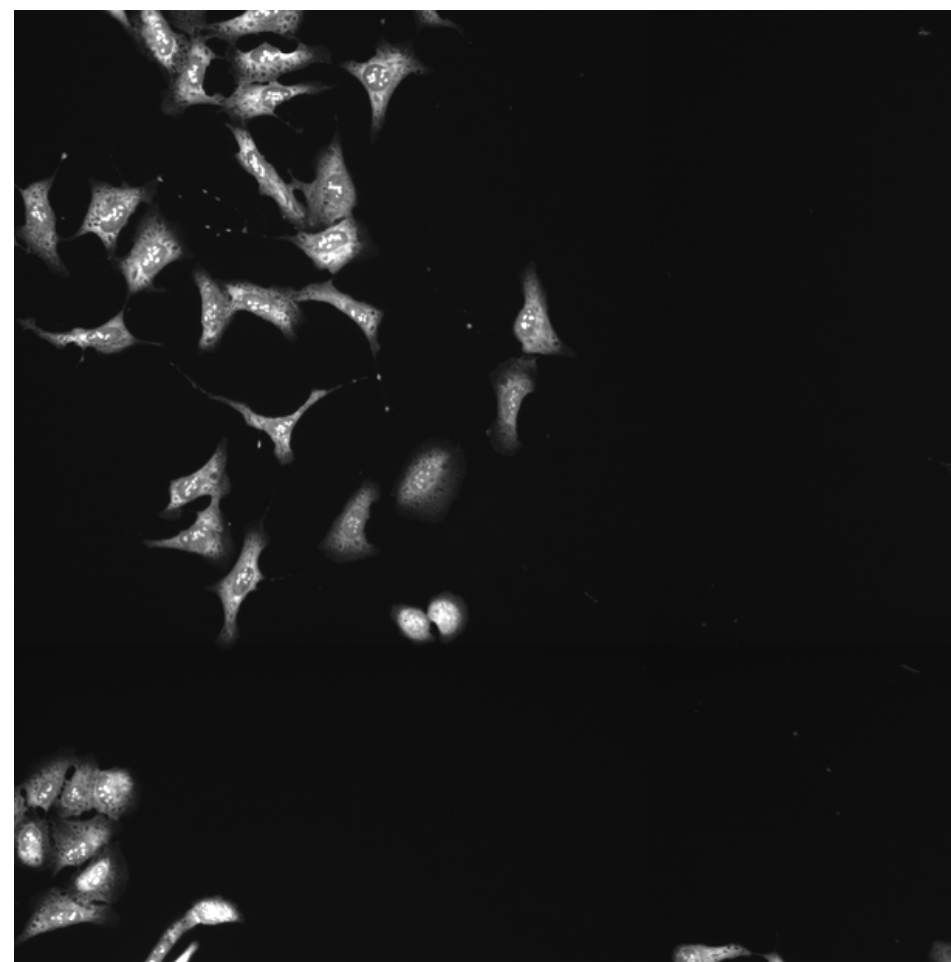
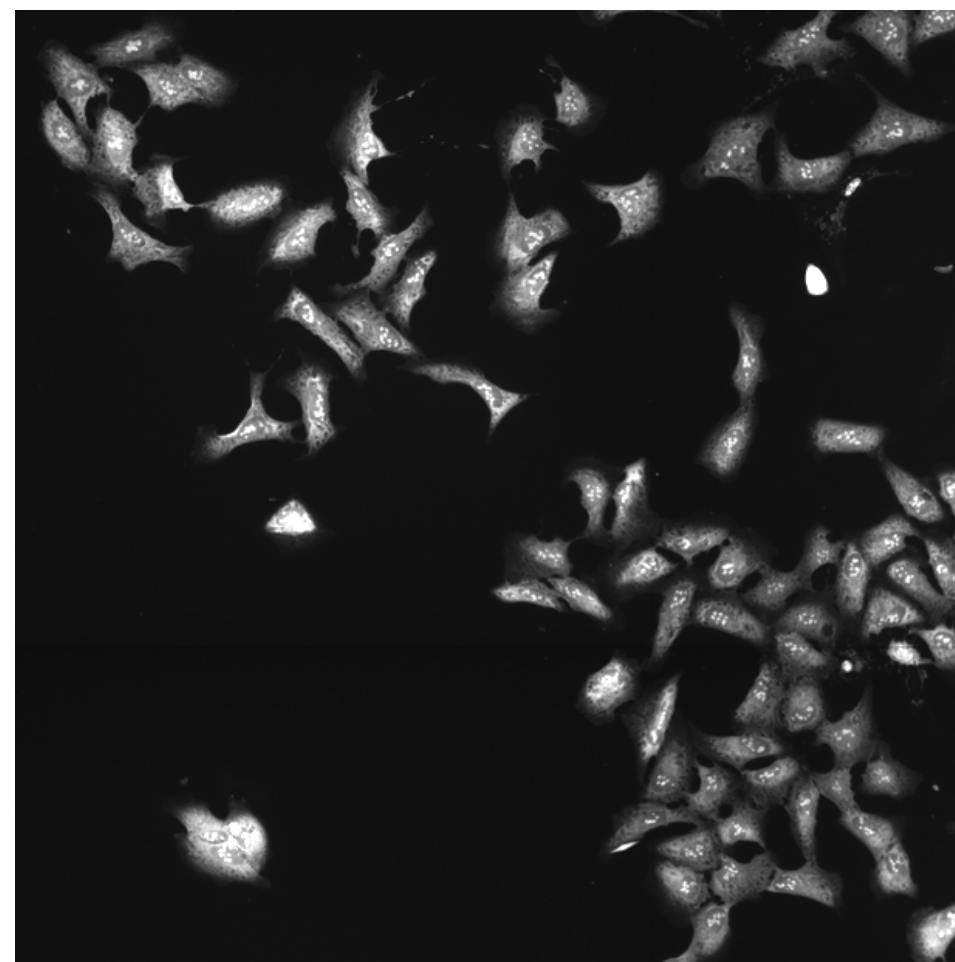
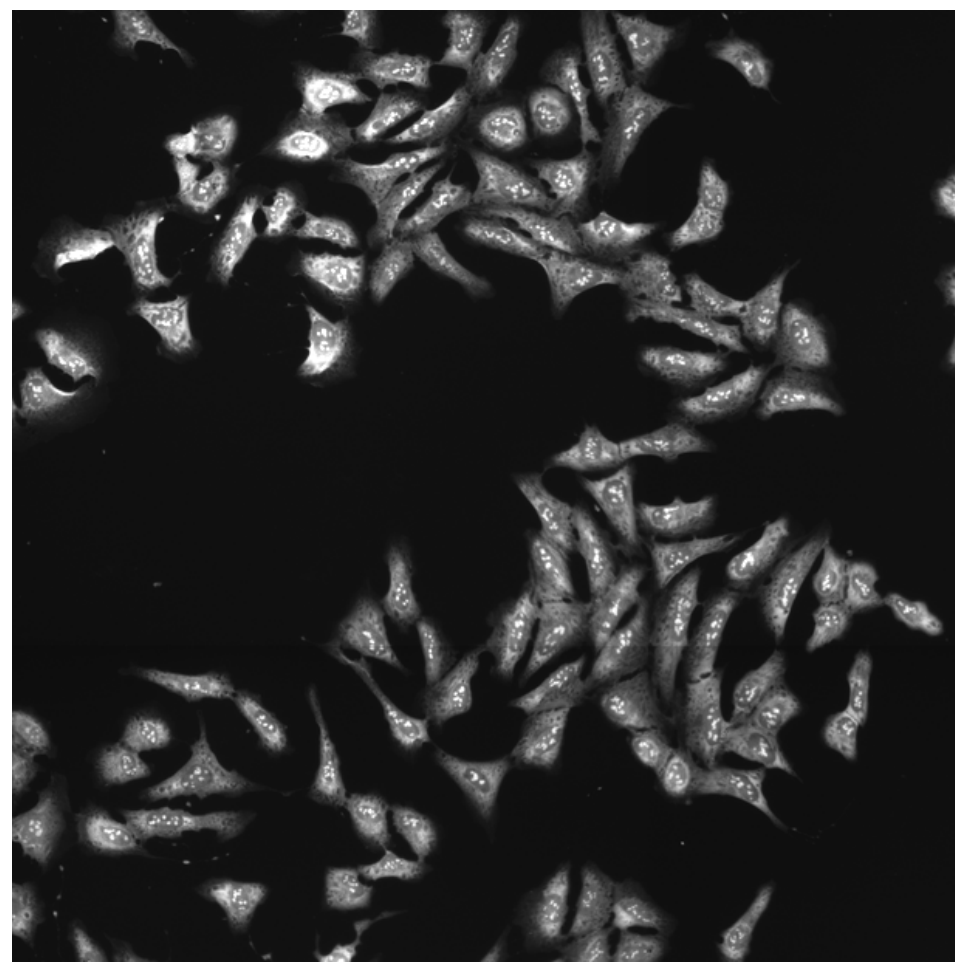
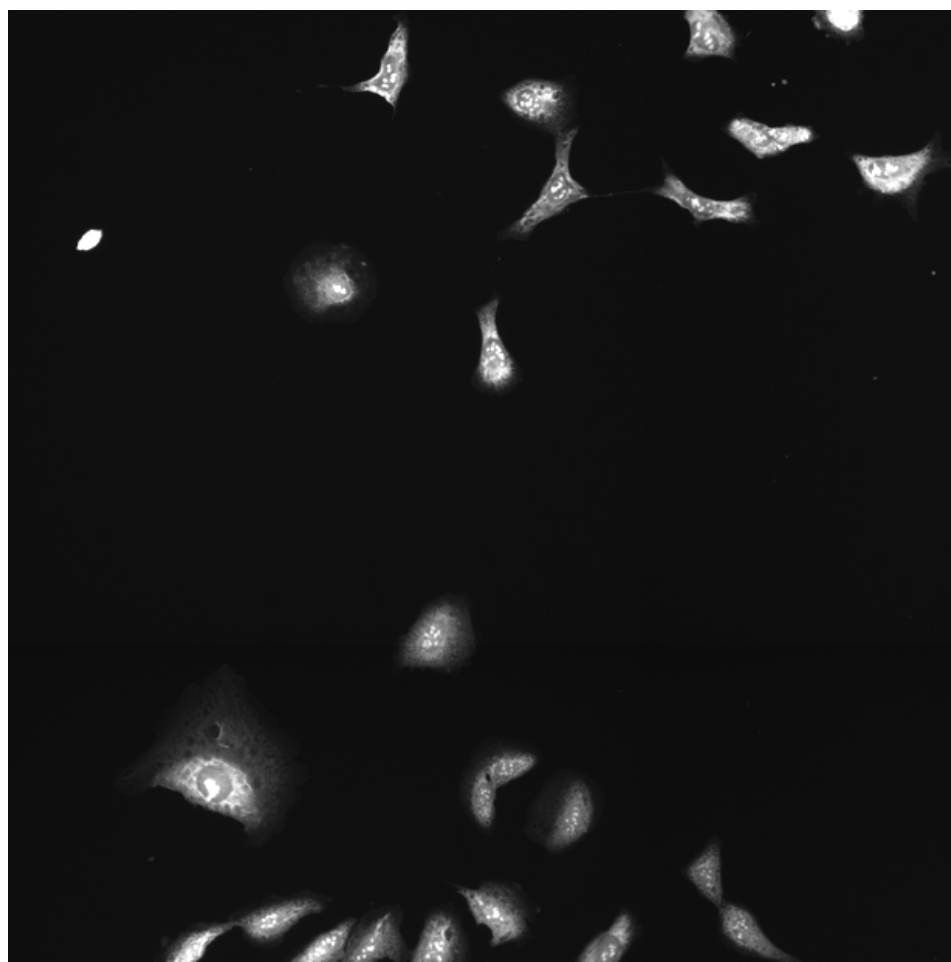
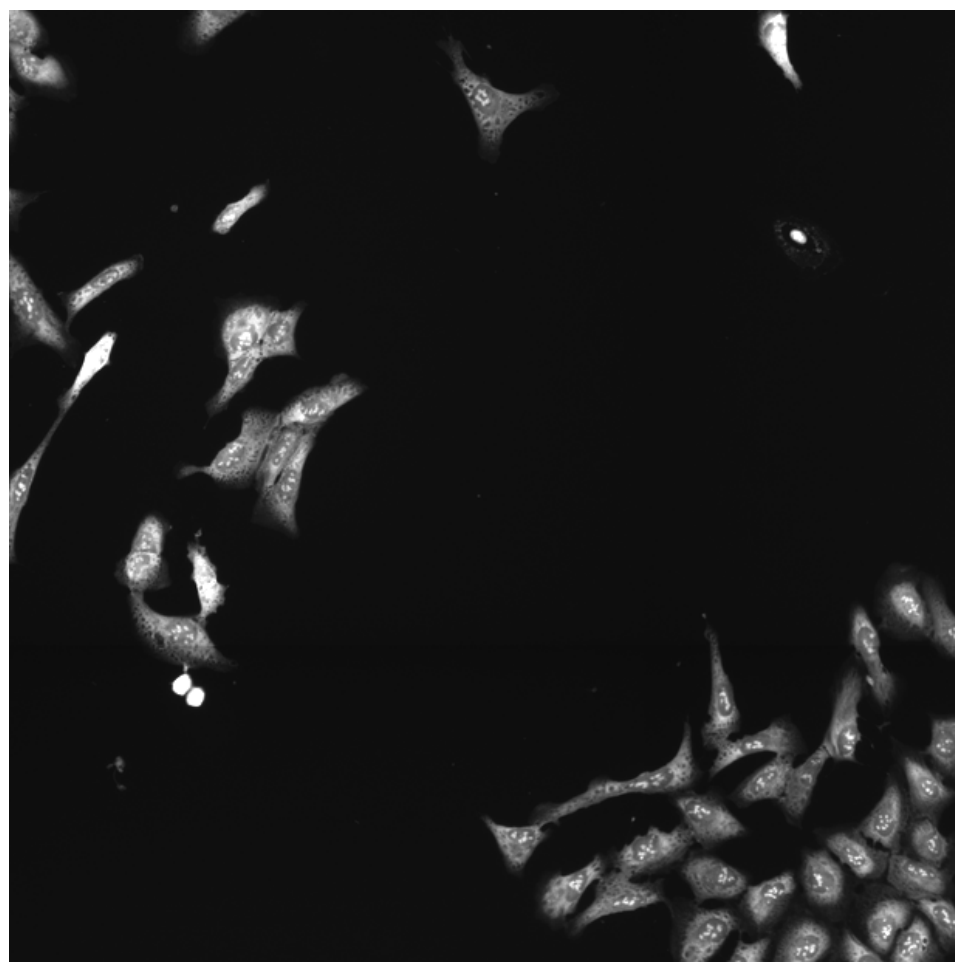
TGFB1.WT (41755)

TGFB1.WT (41756)

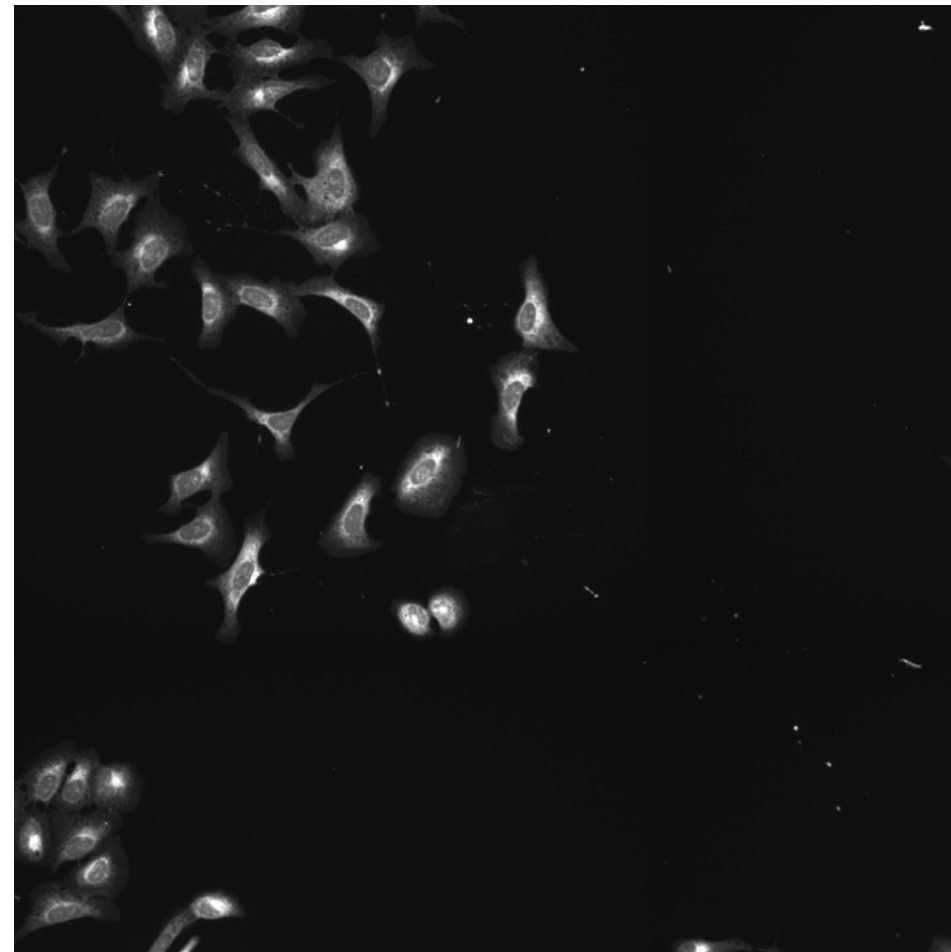
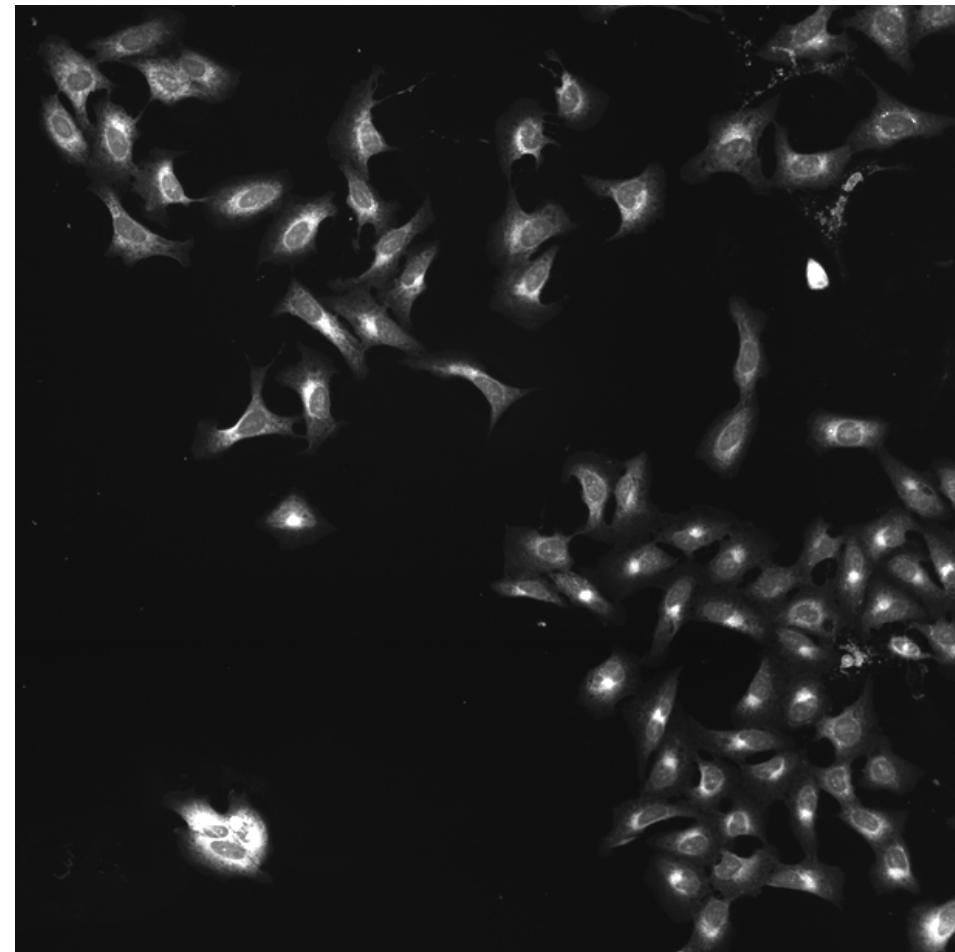
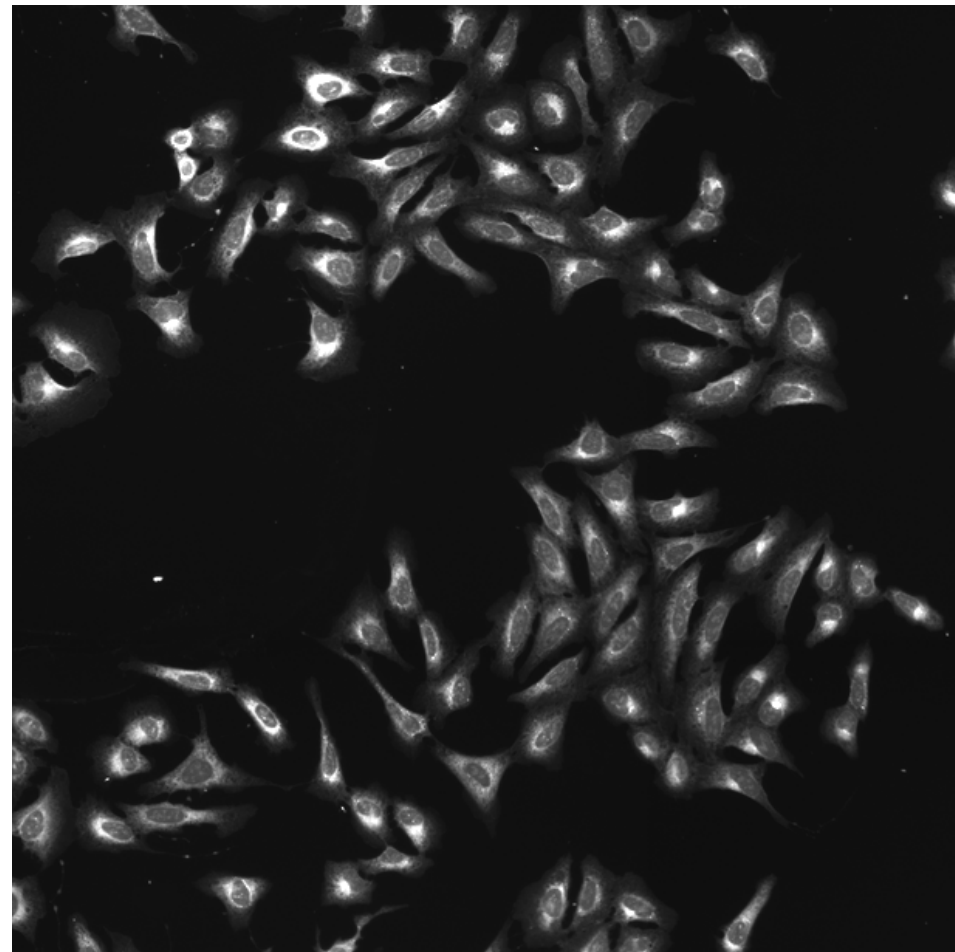
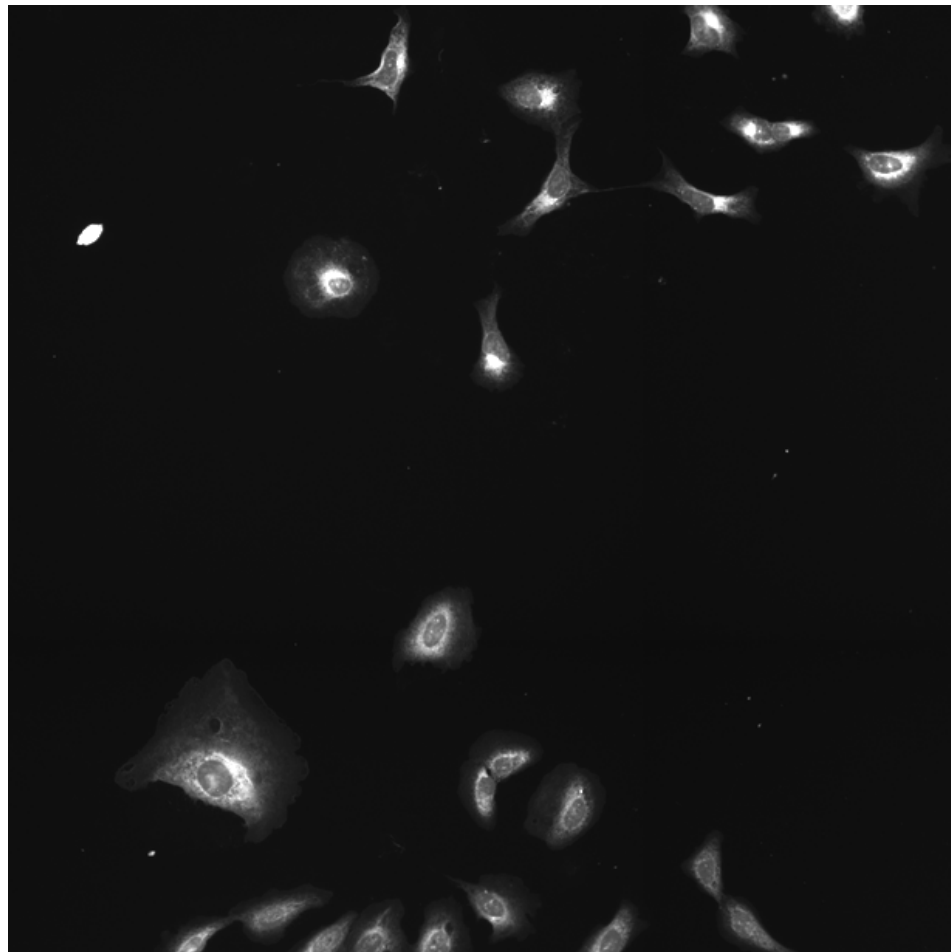
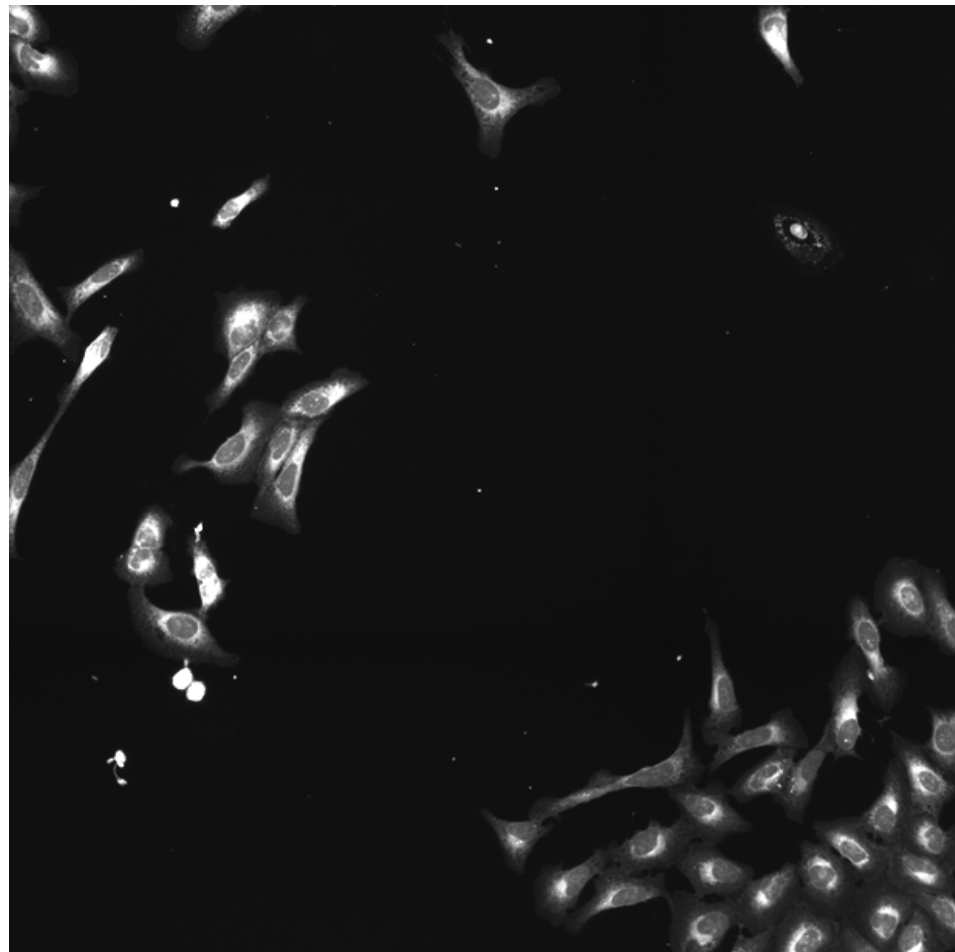
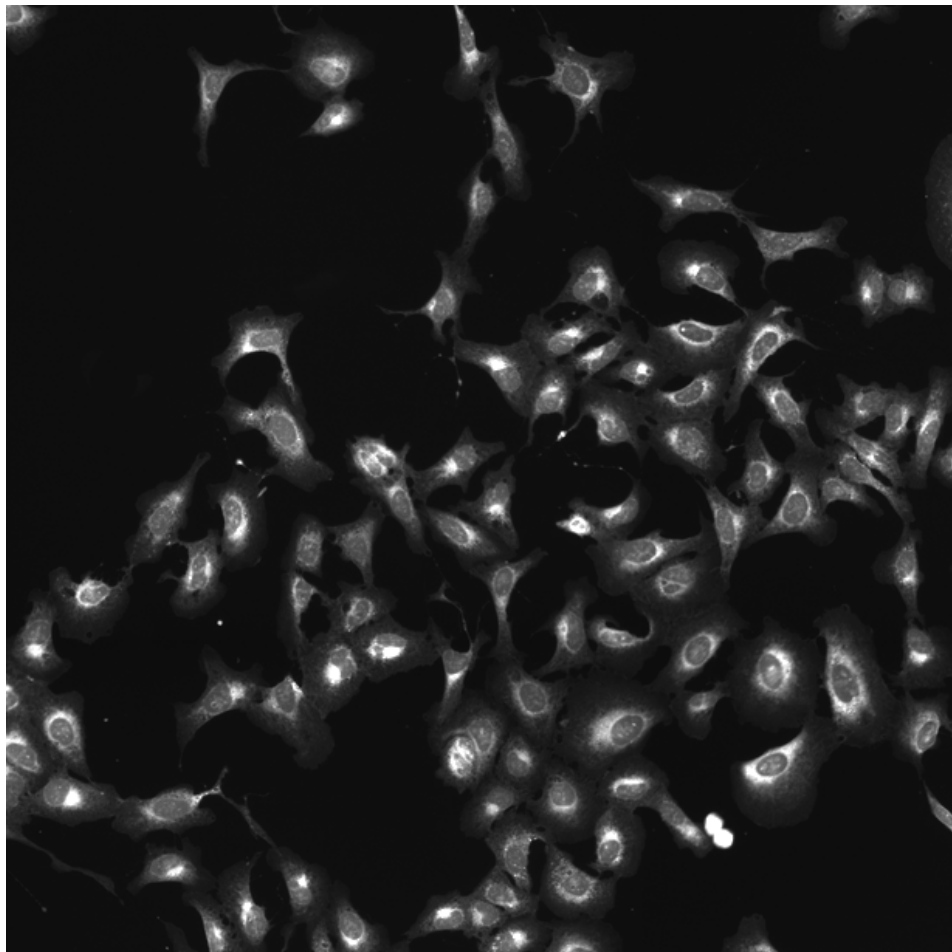
TGFB1.WT (41757)

TGFB1.WT (41754)

RNA

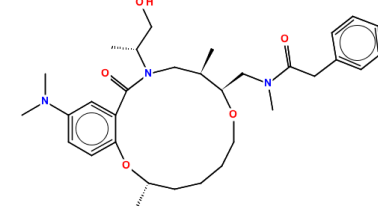
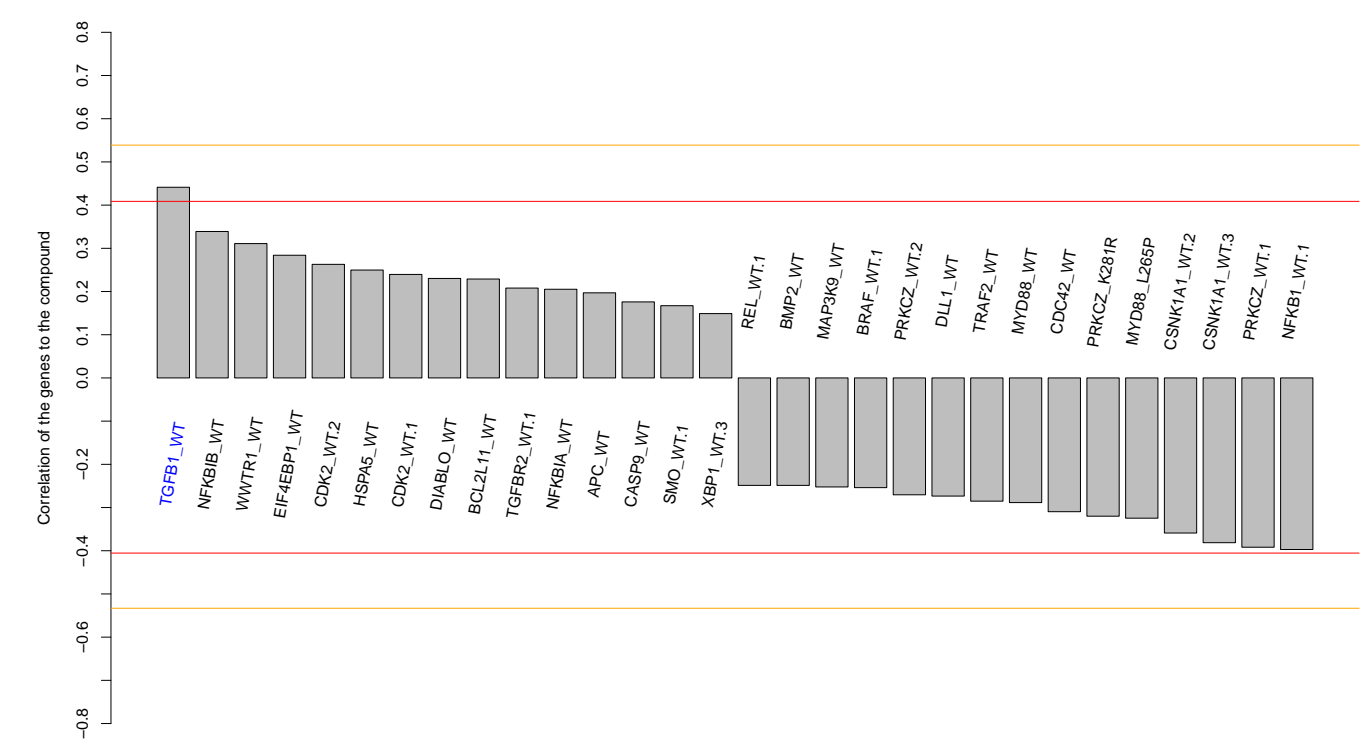
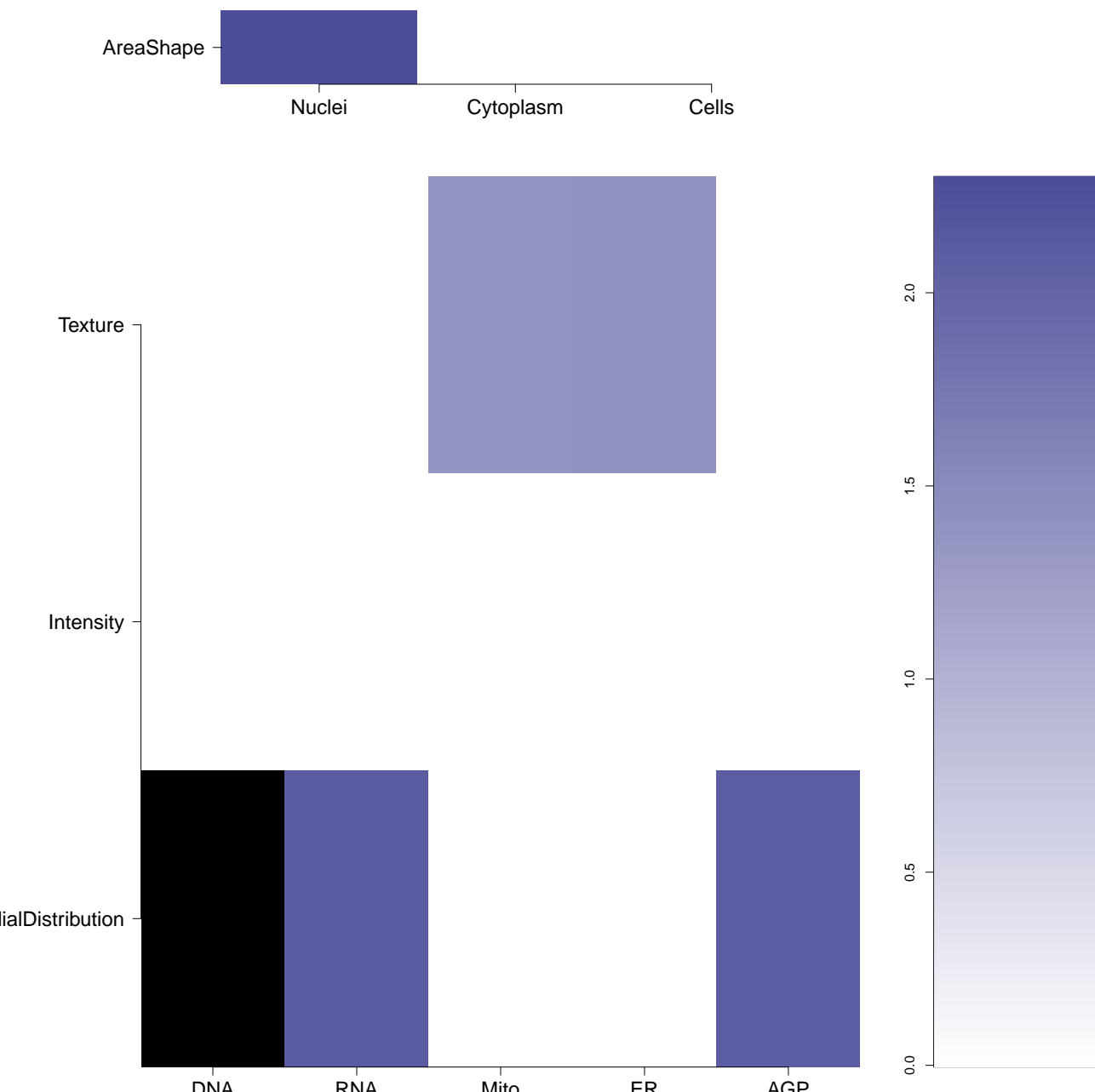

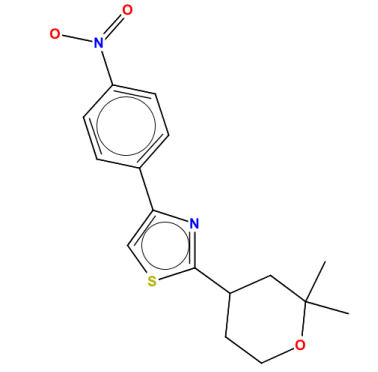
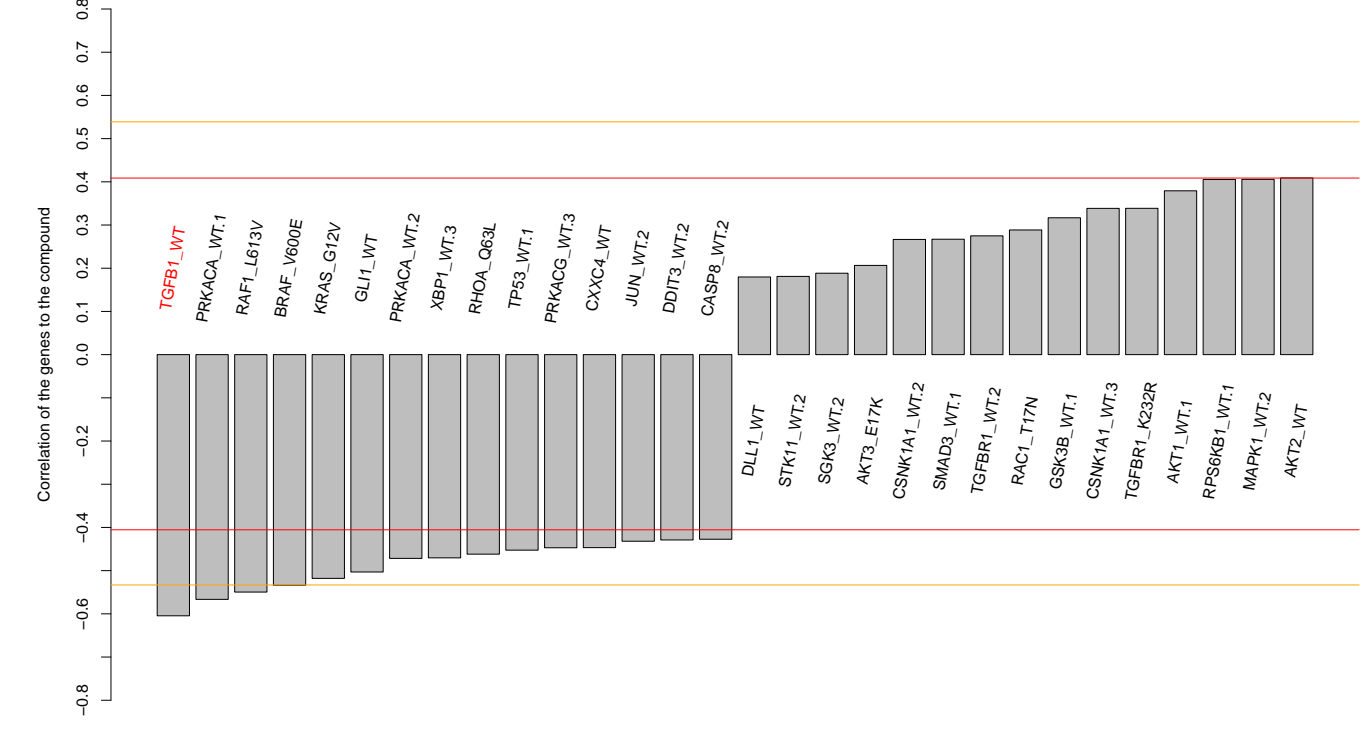
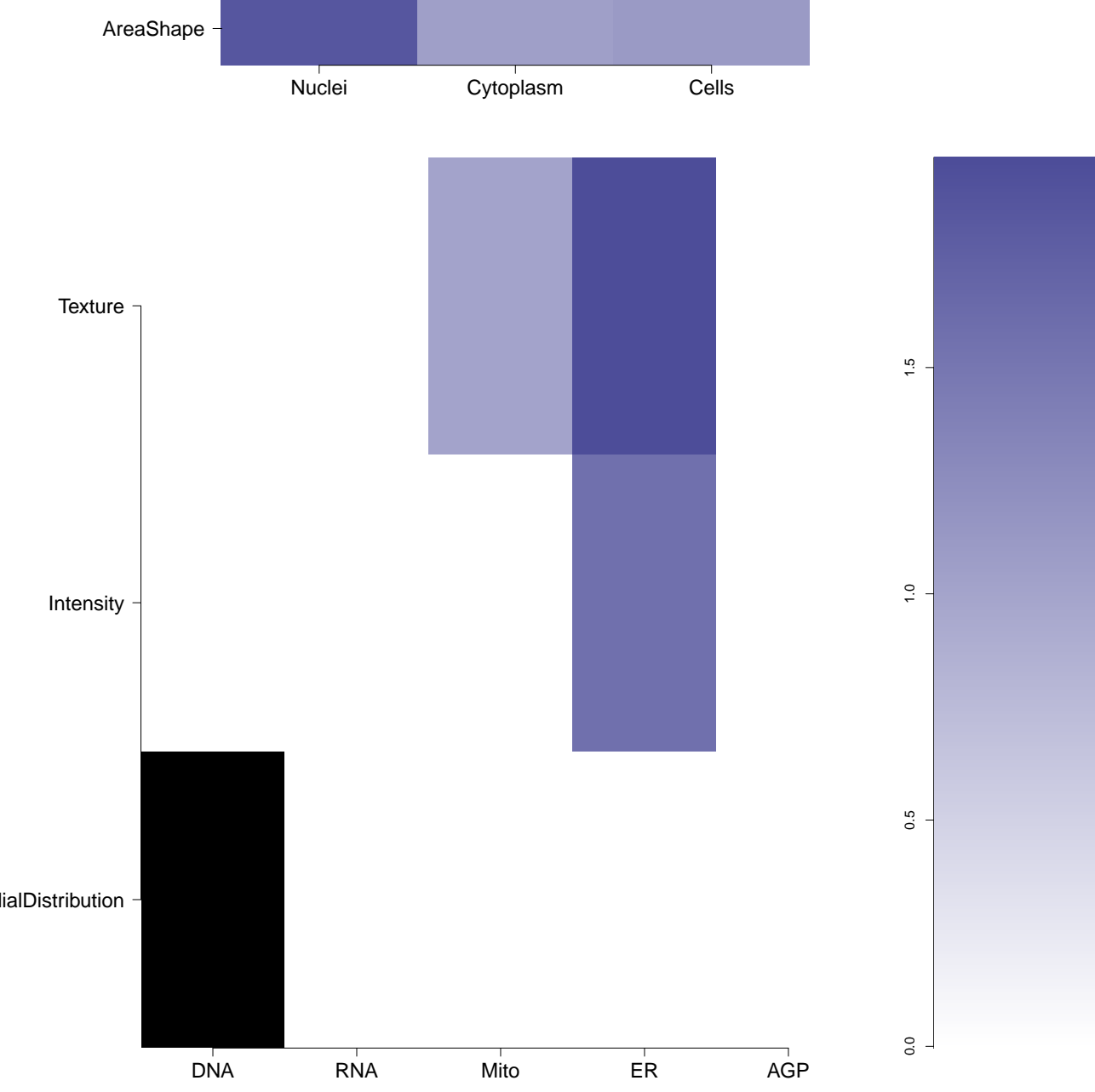

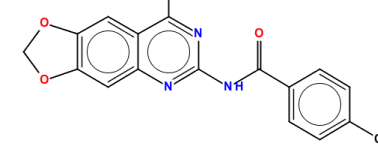
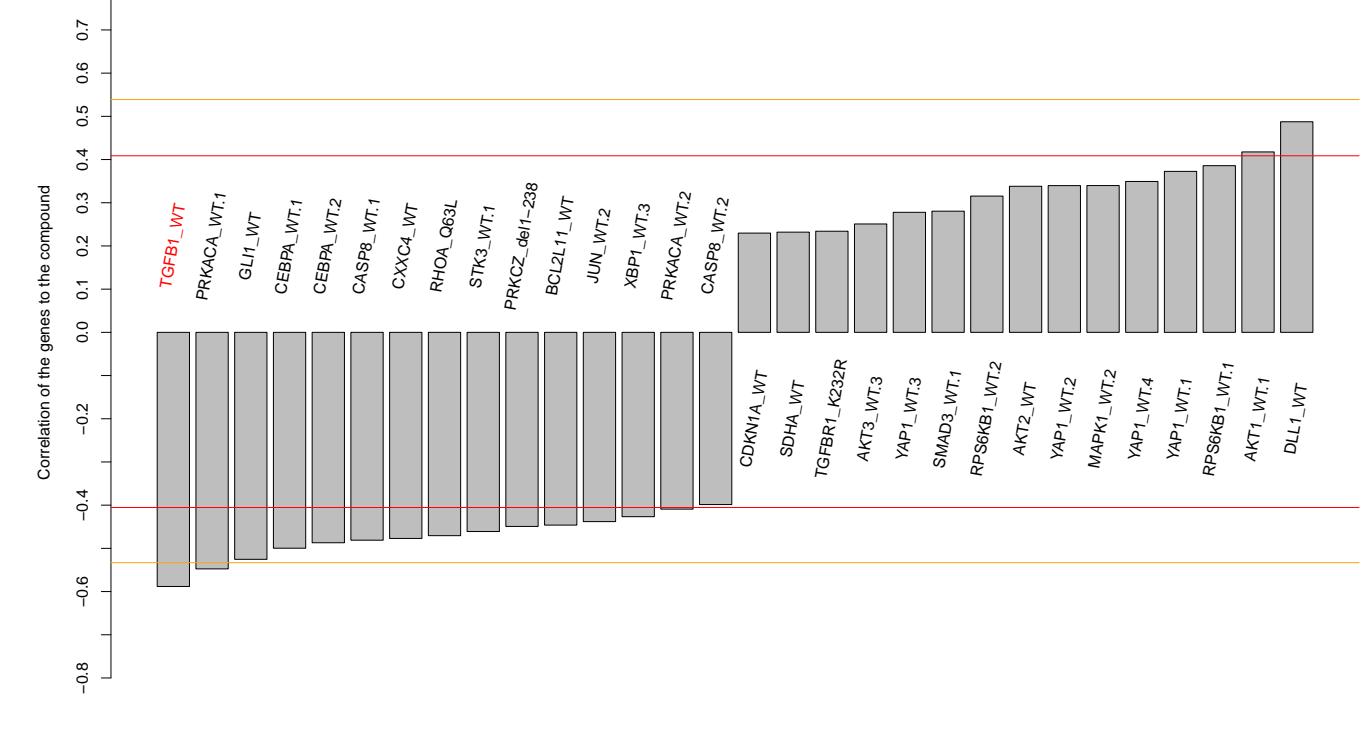
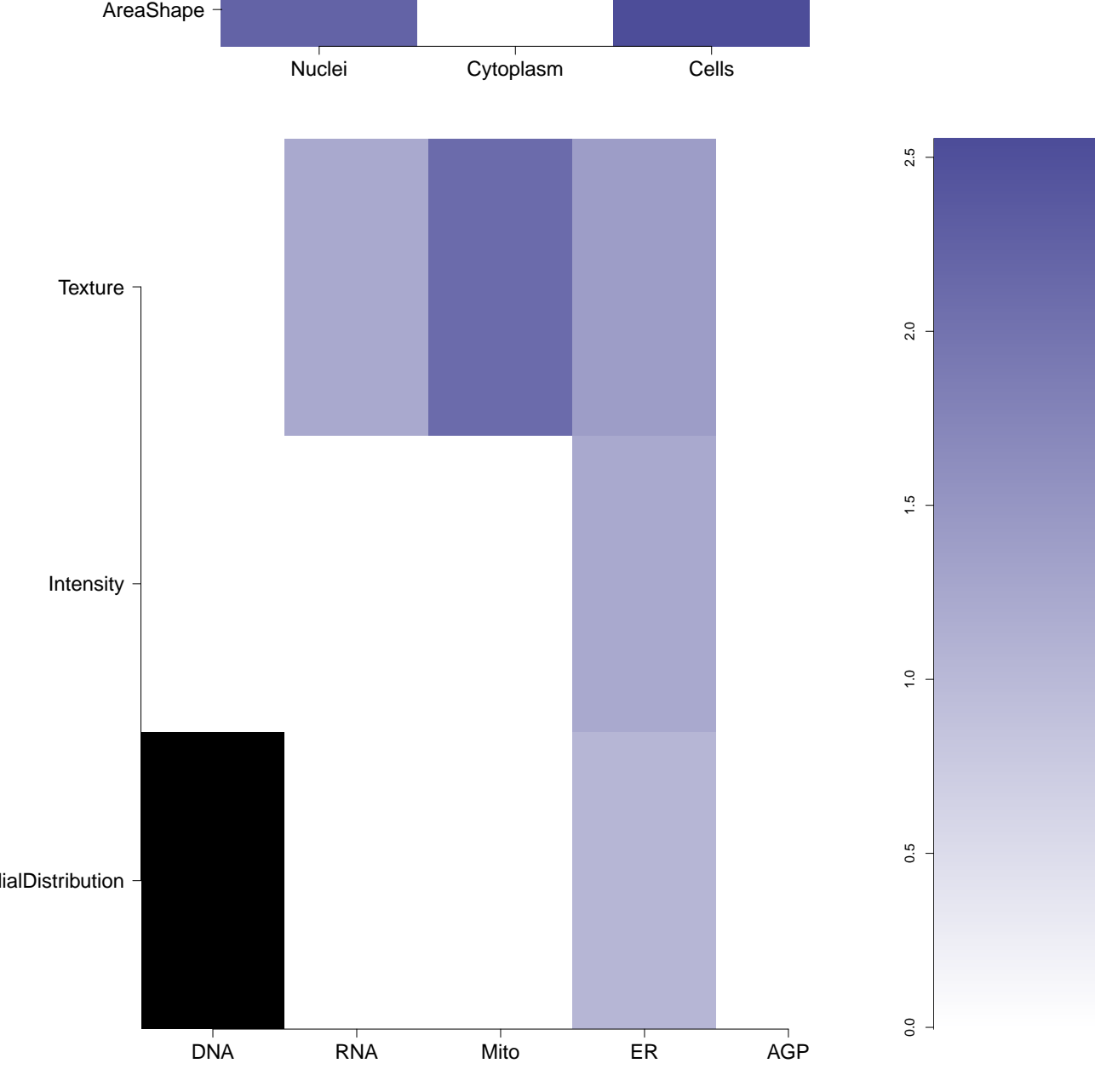
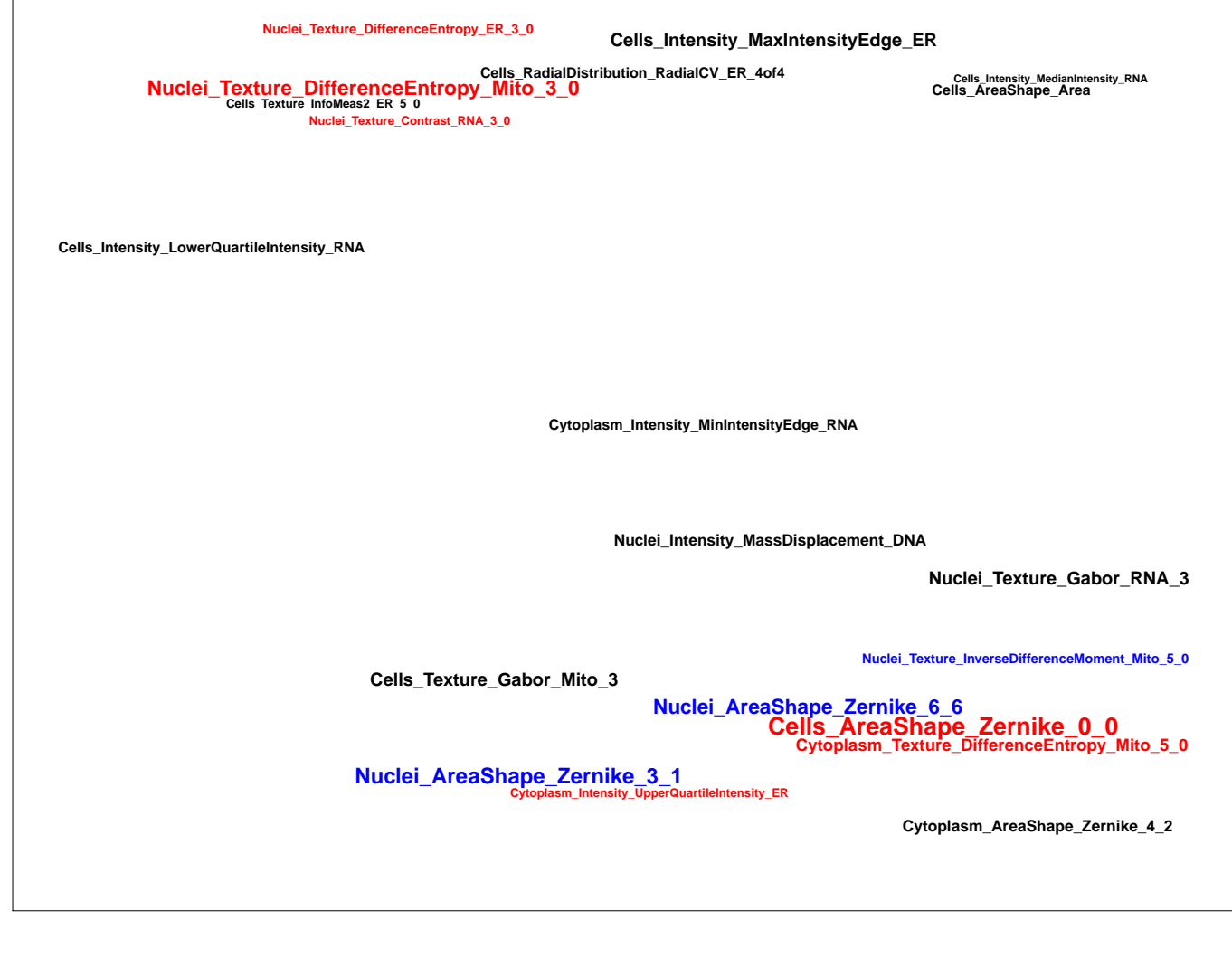
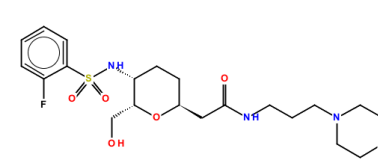
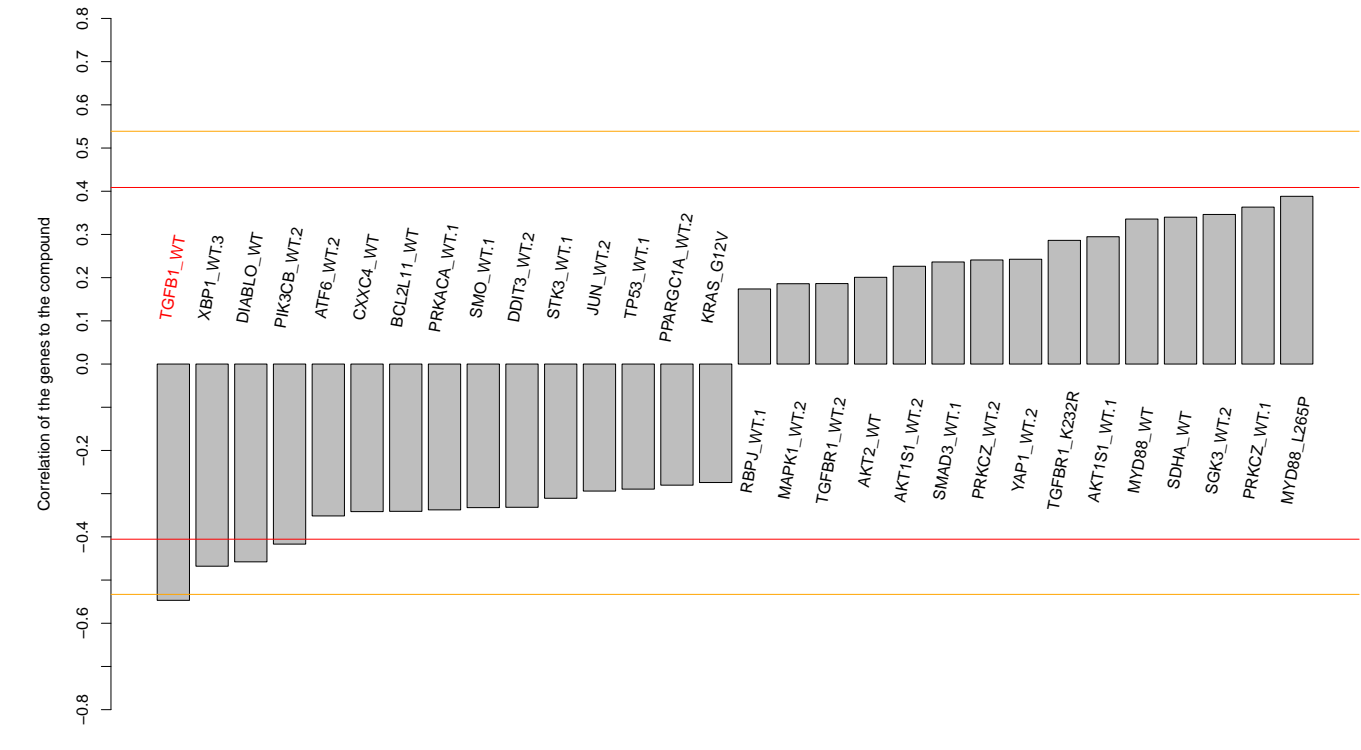
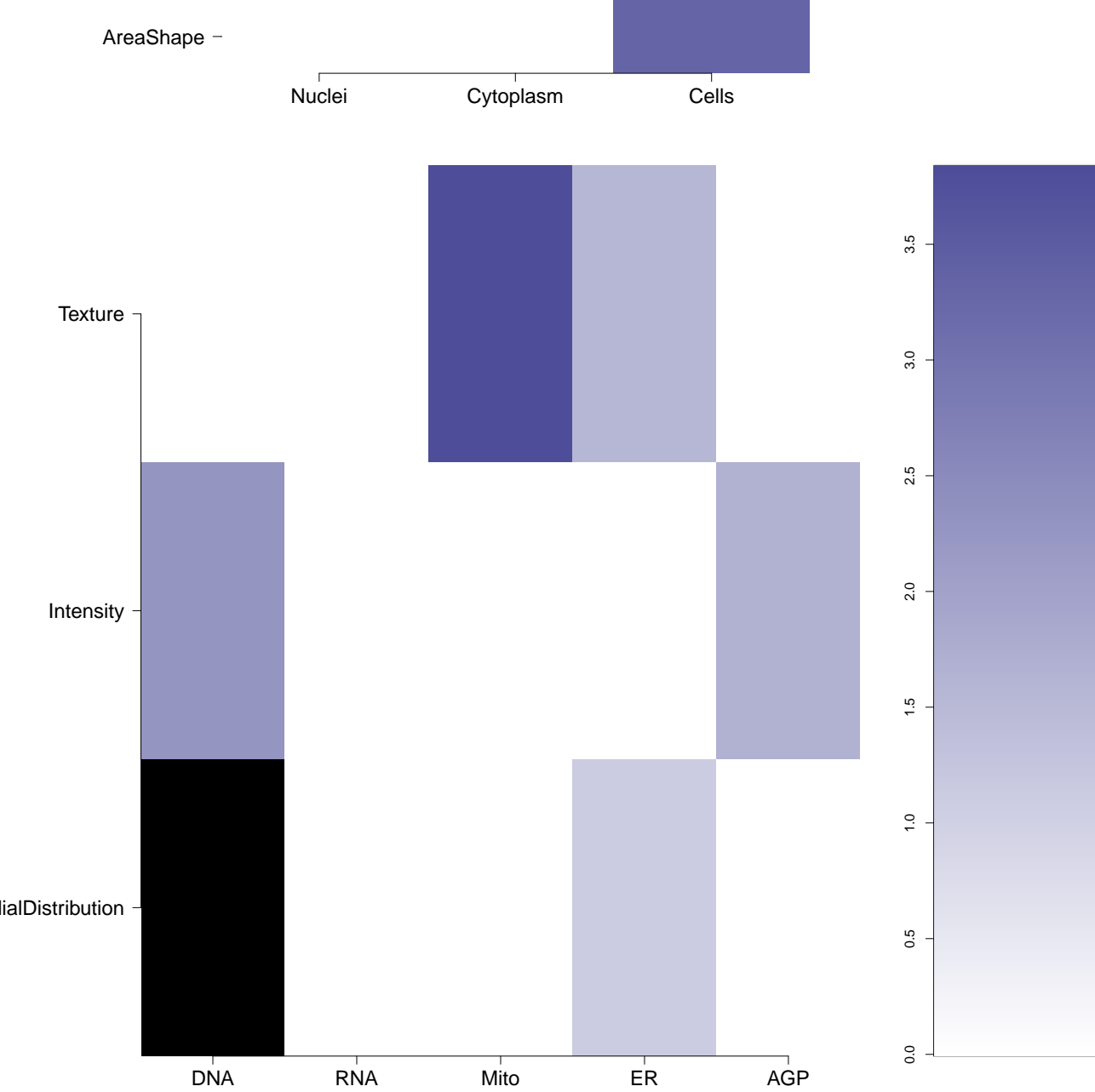
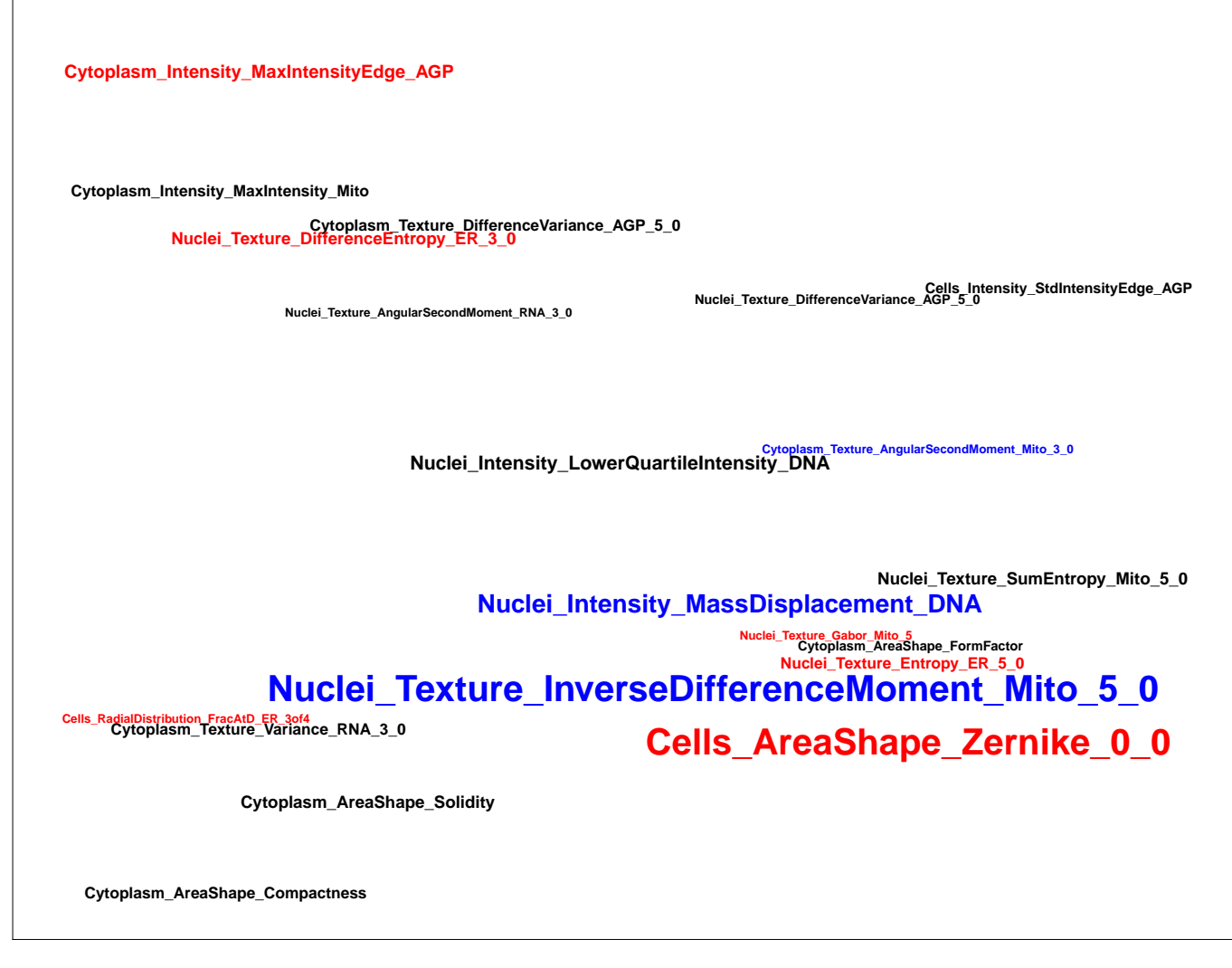
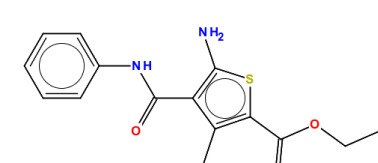
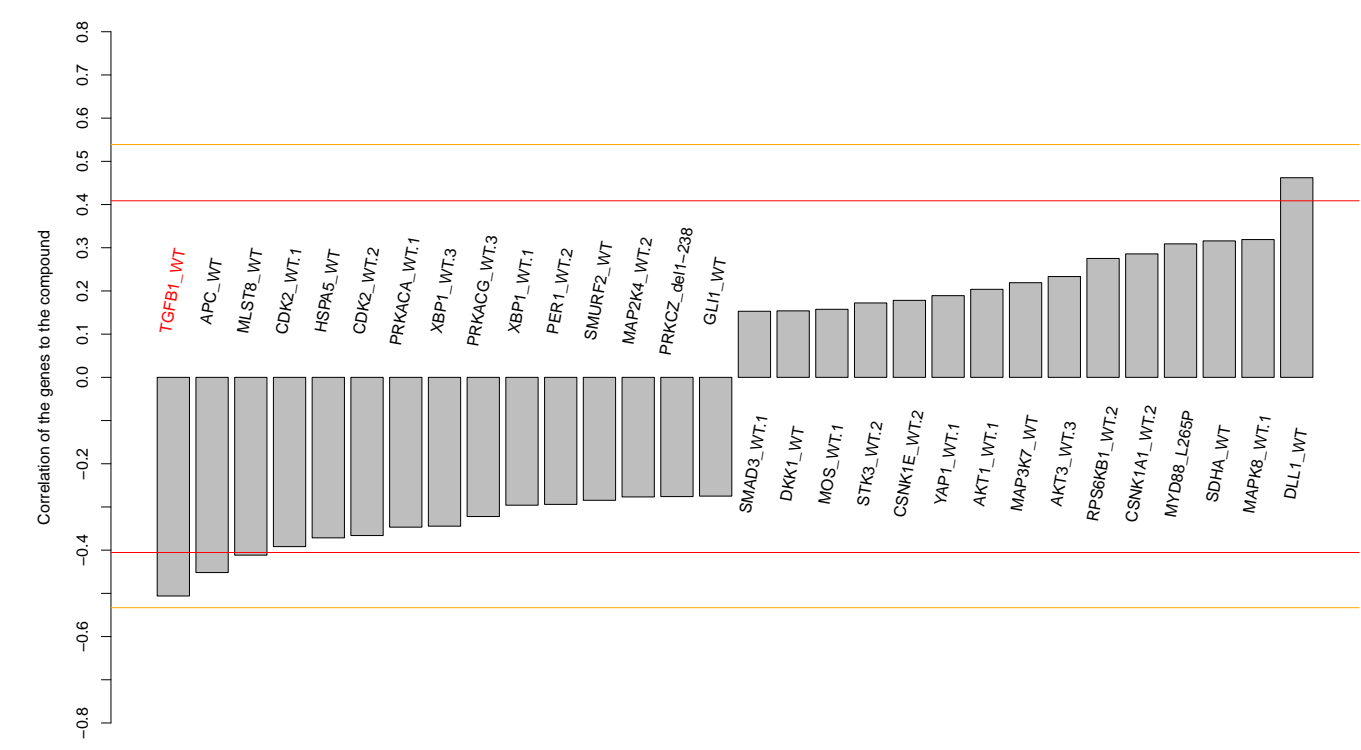
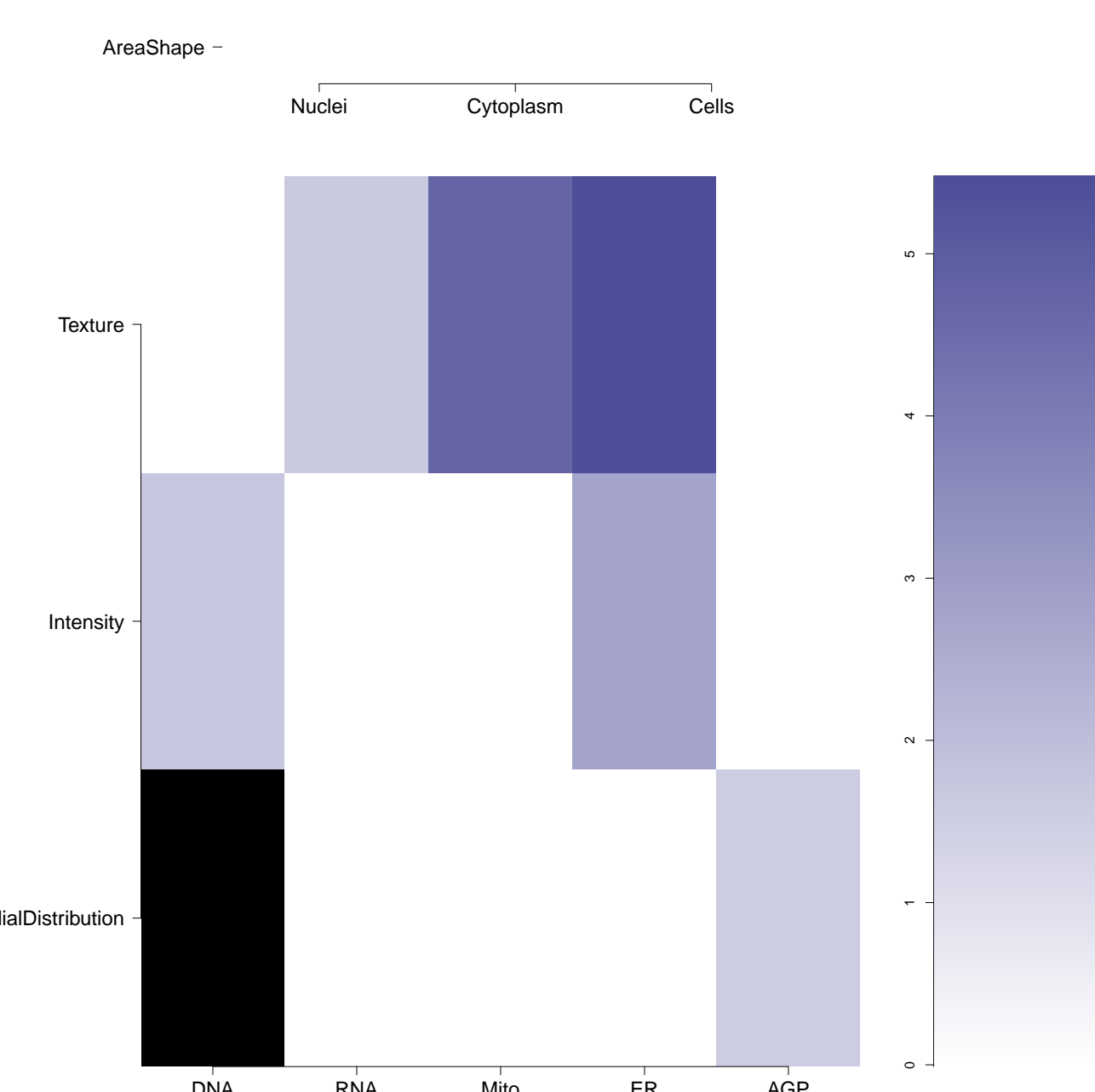
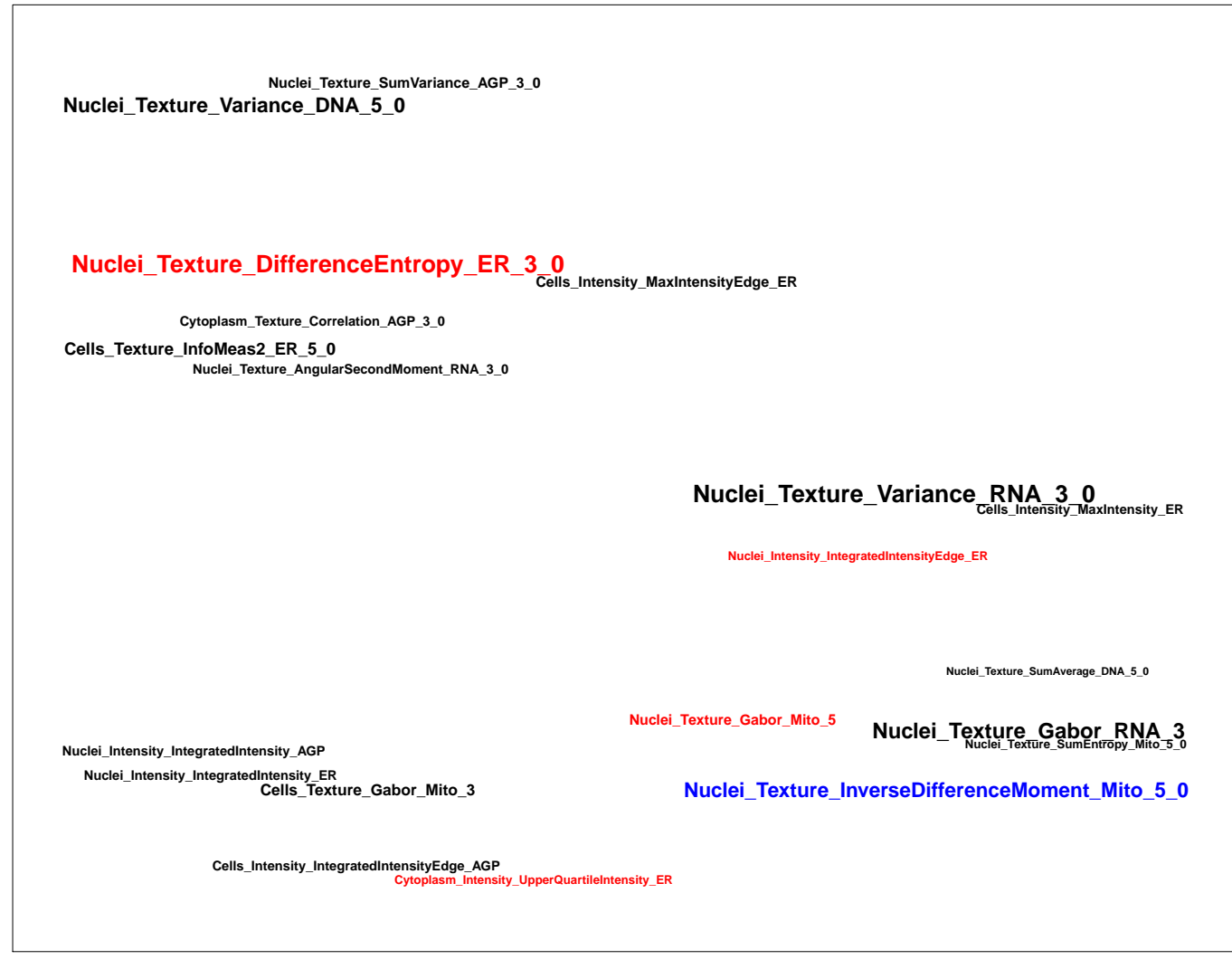
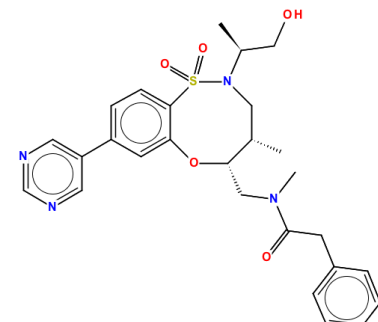
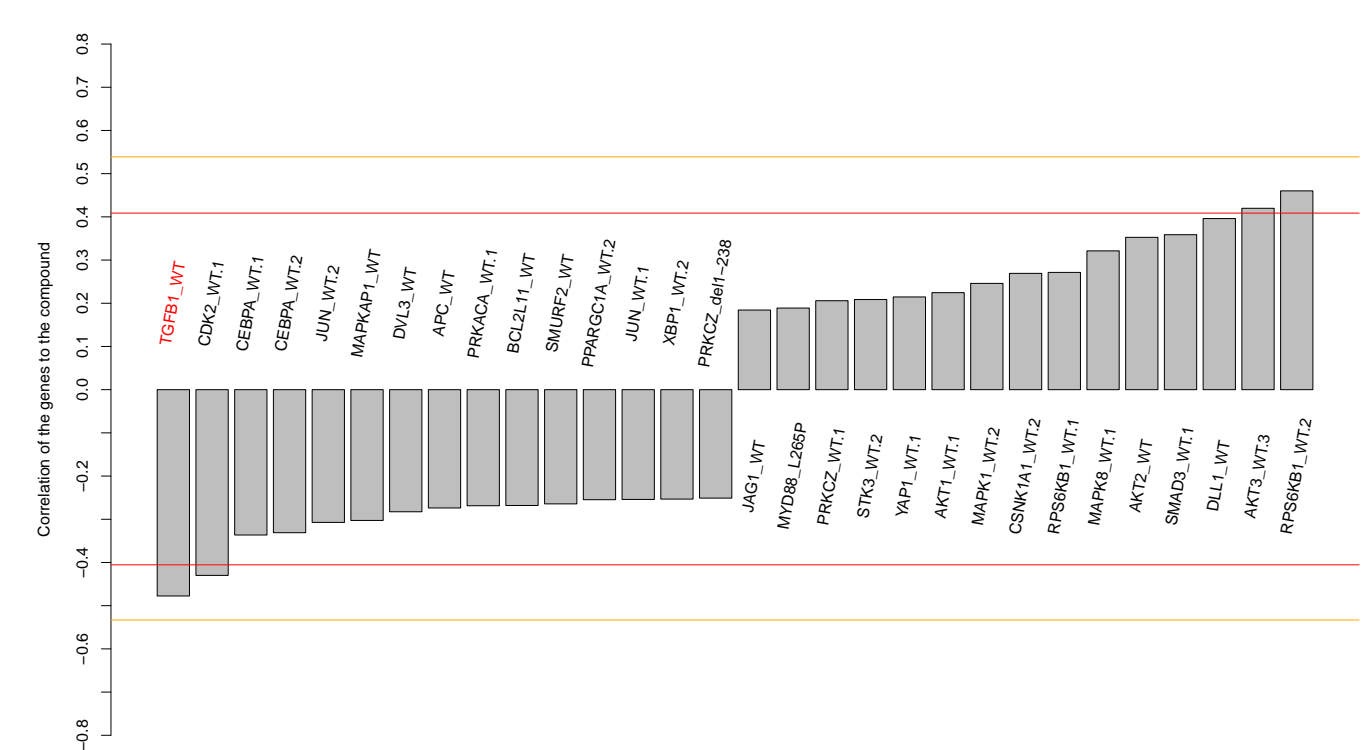
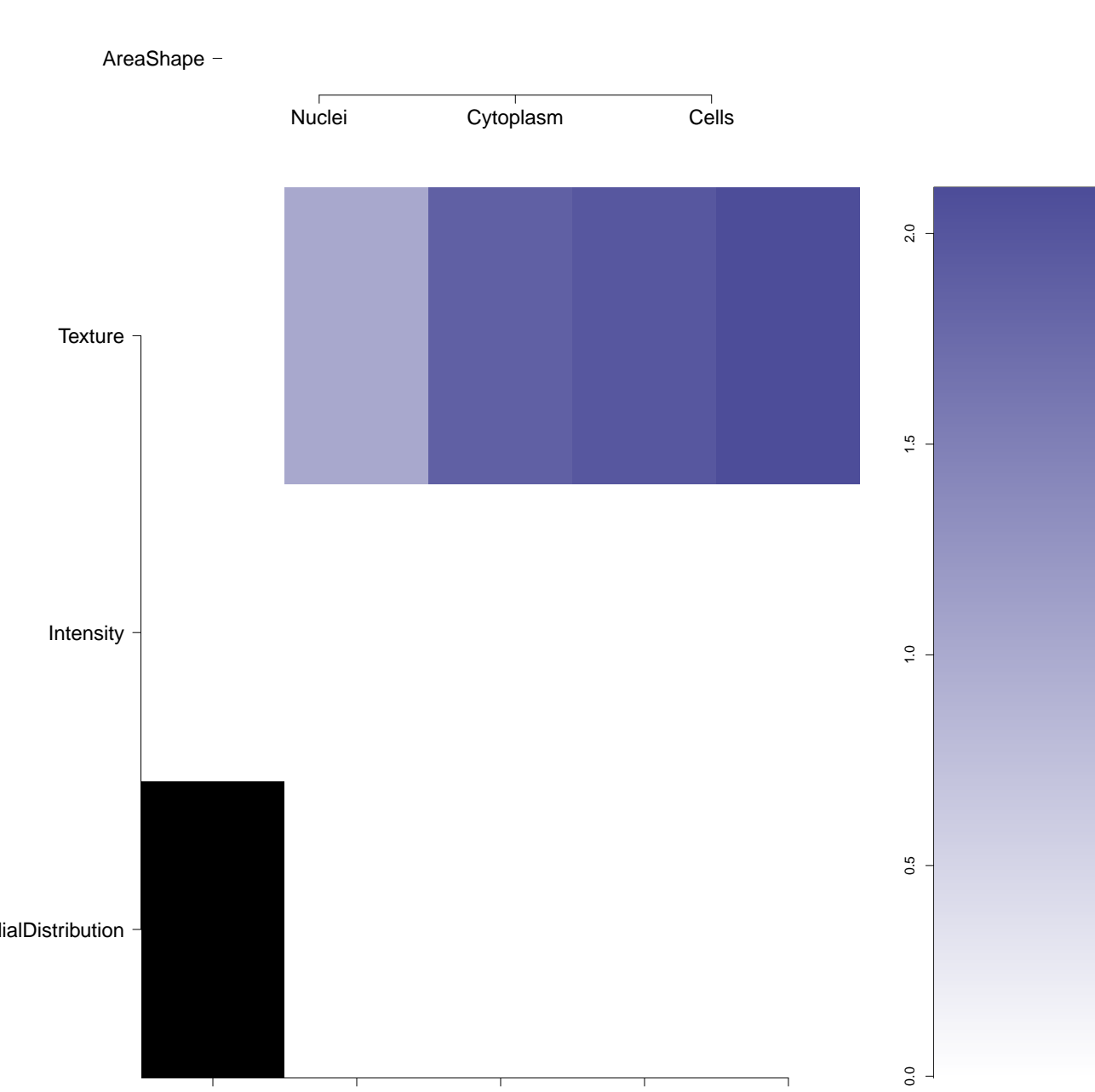
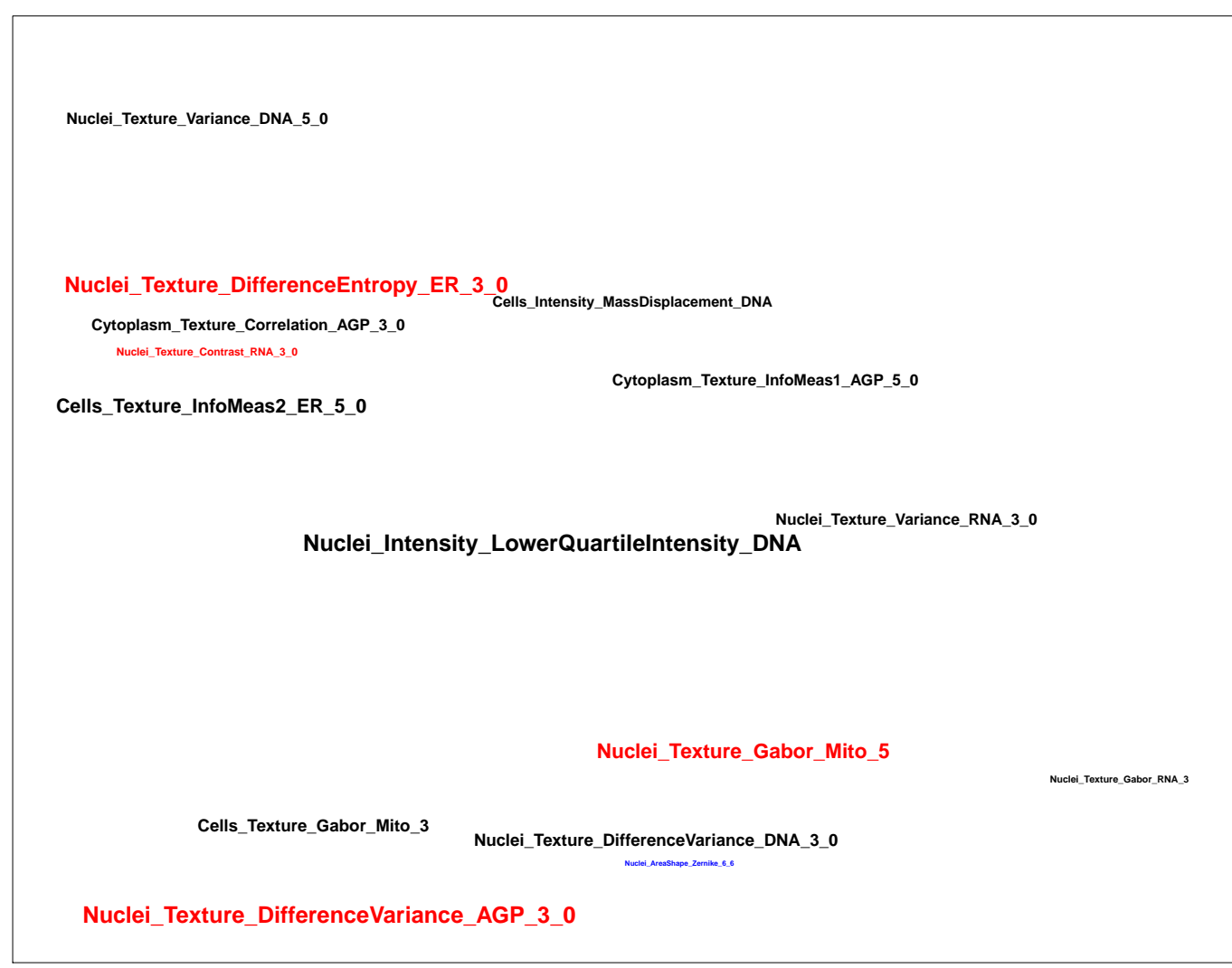
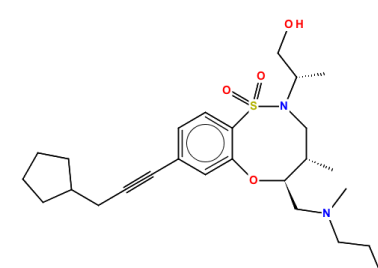
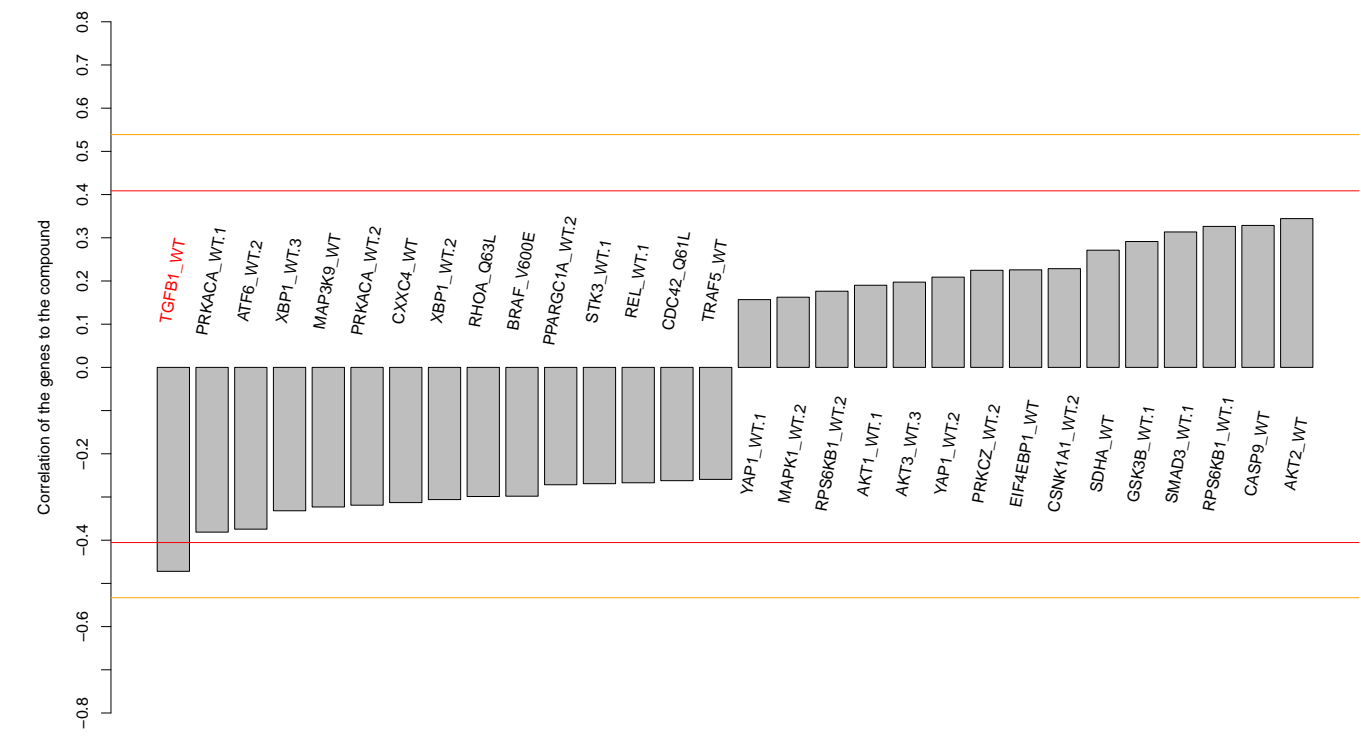
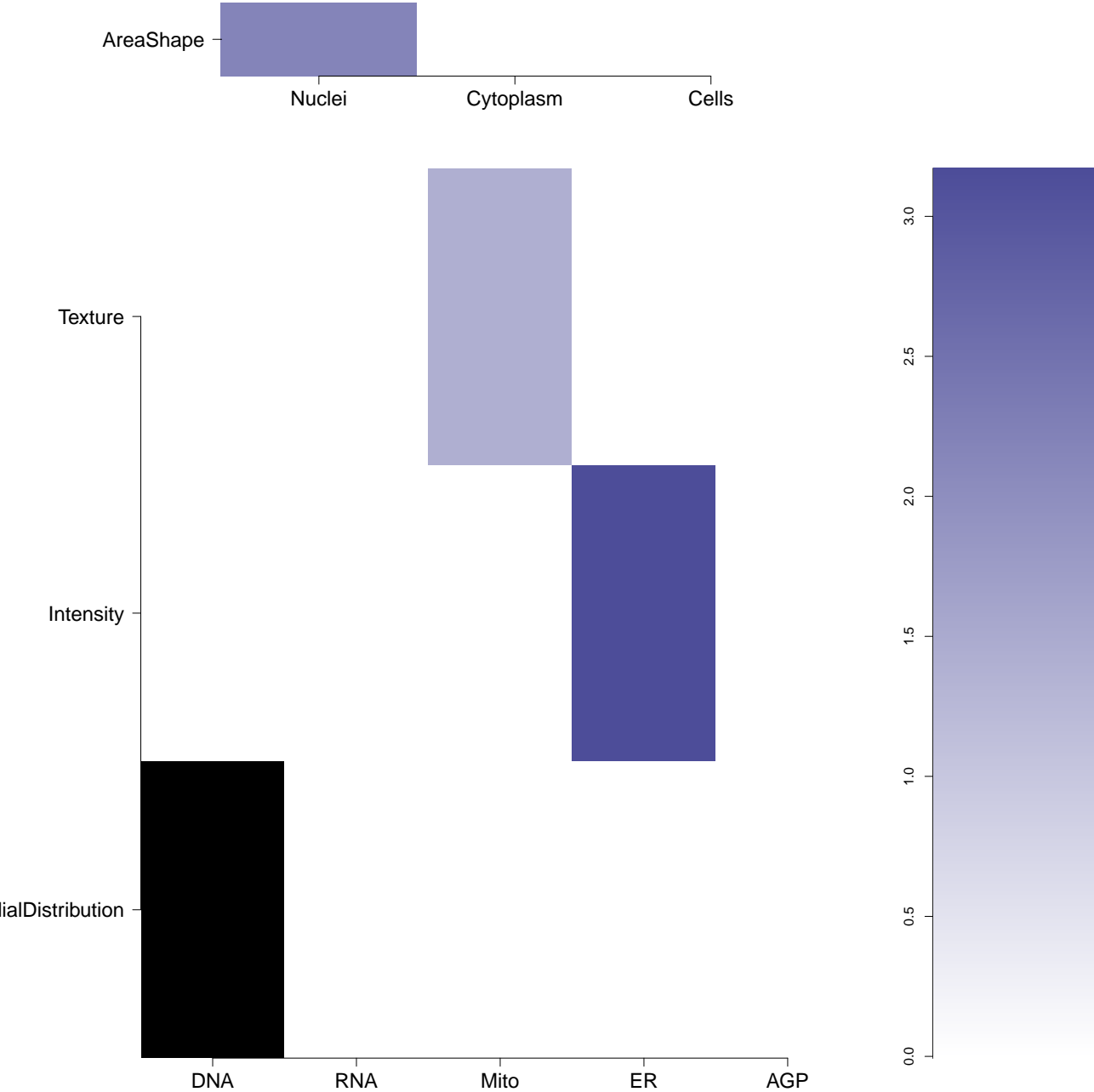
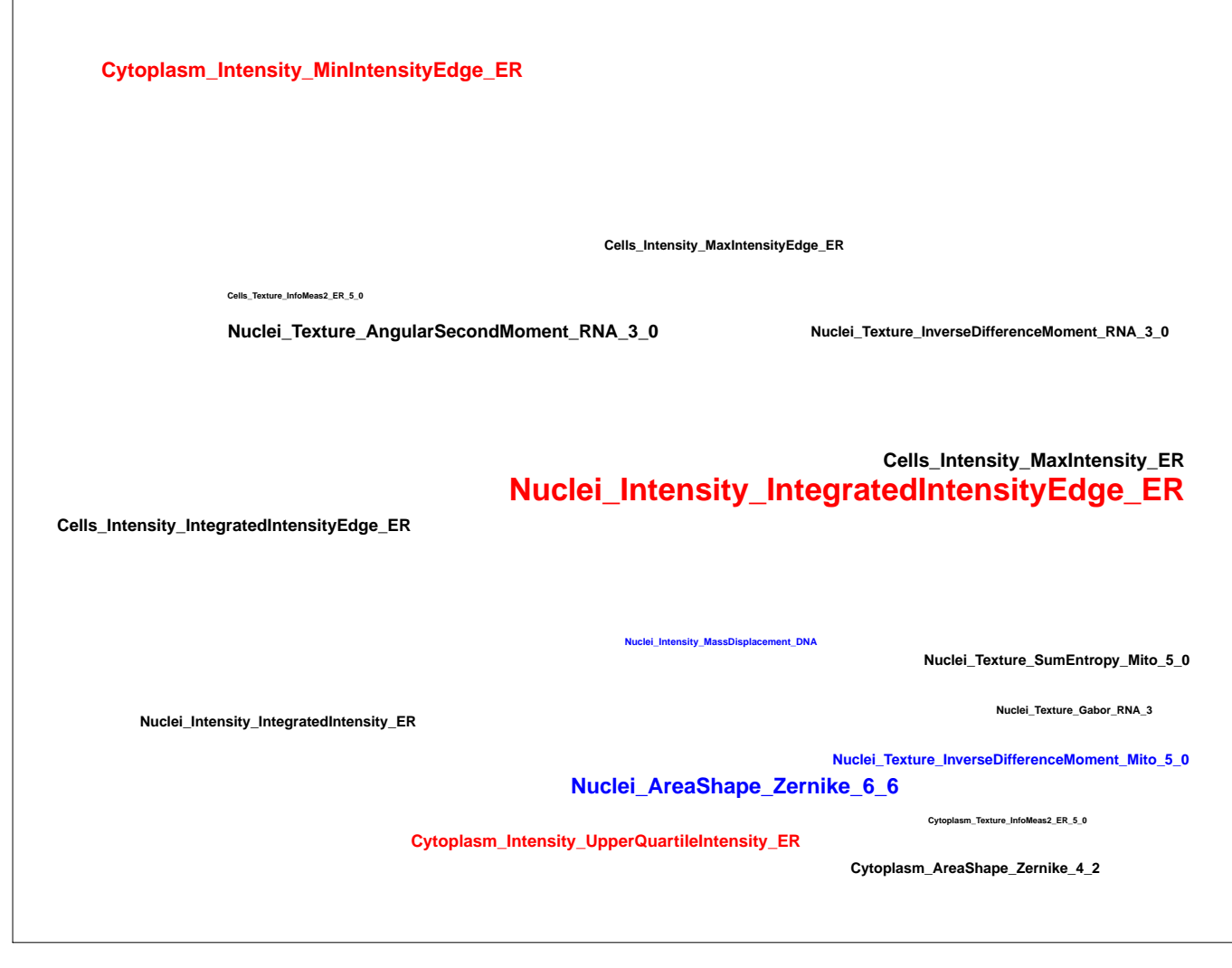


ER



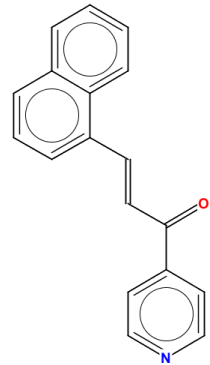
Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.51)	Correlation between compound 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-K78252315-001-01-7 PubChem CID : 44617768		0.59 (in 4 replicates)	0.44	0.833				Total number of assays tested in: 38.
BRD-A66152327-001-05-2 88571-92-0 ACMC-201bhf BAS 00608678 AC1MJ5G MLS000765969 CTK3A9458 HMS2670G19 STK838874 HE404219 SMR000279675 ST50235644 PubChem CID : 3112830		NA (in 1 replicates)	-0.60	NA				Total number of assays tested in: 639. Active in the following assays: <ul style="list-style-type: none"> <li>qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)</li> <li>Aqueous Solubility from MLSMR Stock Solutions (AID 1996)</li> <li>Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)</li> <li>Primary cell-based high-throughput screening assay for identification of compounds that inhibit KCNQ1 potassium channels (AID 2642)</li> <li>qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)</li> <li>Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651718)</li> <li>HTS for Bacterial rRNA inhibitors Measured in Microorganism-Based System Using Plate Reader - 7056-01_Inhibitor_SinglePoint_HTS_Activity (AID 720706)</li> </ul>
BRD-K38456289-001-05-6 MLS000331943 AC1LZ5RU HMS2565B23 ZINC2327565 STK203135 ZINC02327565 BAS 14602169 SMR000221396 ST50133243 PubChem CID : 1942336		NA (in 1 replicates)	-0.59	NA				Total number of assays tested in: 641. Active in the following assays: <ul style="list-style-type: none"> <li>MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)</li> <li>Luminescence-based primary cell-based high throughput screening assay to identify activators of the Aryl Hydrocarbon Receptor (AHR) (AID 2796)</li> <li>Luminescence-based cell-based high throughput confirmation assay for activators of the Aryl Hydrocarbon Receptor (AHR) (AID 2845)</li> <li>Counterscreen for activators of the Aryl Hydrocarbon Receptor (AHR): luminescence-based cell-based high throughput screening assay to identify activators of the Pregnane X Receptor (PXR) (AID 434939)</li> </ul>
BRD-K69655916-001-01-5 PubChem CID : 54641262		NA (in 1 replicates)	-0.55	NA				Total number of assays tested in: 43.
BRD-K33766520-001-05-2 BAS 06339517 AC1LLH82 MLS000764722 CTK6F7903 HMS2694M18 ZINC800800 BBL026305 STL375723 ZINC00800800 SMR000290327 H4830 PubChem CID : 1084374		NA (in 1 replicates)	-0.51	NA				Total number of assays tested in: 632. Active in the following assays: <ul style="list-style-type: none"> <li>qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)</li> <li>qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490)</li> <li>qFRET-based primary biochemical high throughput screening assay to identify inhibitors of the Plasmodium falciparum M18 Aspartyl Aminopeptidase (PFM18AAP). (AID 1822)</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 Assay for Rab9 Promoter Activators (AID 485297)</li> <li>qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)</li> <li>nHTS identification of small molecule inhibitors of Plasmodium falciparum Glucose-6-phosphate dehydrogenase via a fluorescence intensity assay (AID 504690)</li> <li>qHTS Assay to Identify Small Molecule Activators of BRCA1 Expression (AID 624202)</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 PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720504)</li> </ul>
BRD-K05992469-001-01-0 PubChem CID : 54619366		0.55 (in 4 replicates)	-0.48	0.165				Total number of assays tested in: 37.
BRD-K11752384-001-01-2 PubChem CID : 54619363		0.57 (in 4 replicates)	-0.47	0.878				Total number of assays tested in: 22.



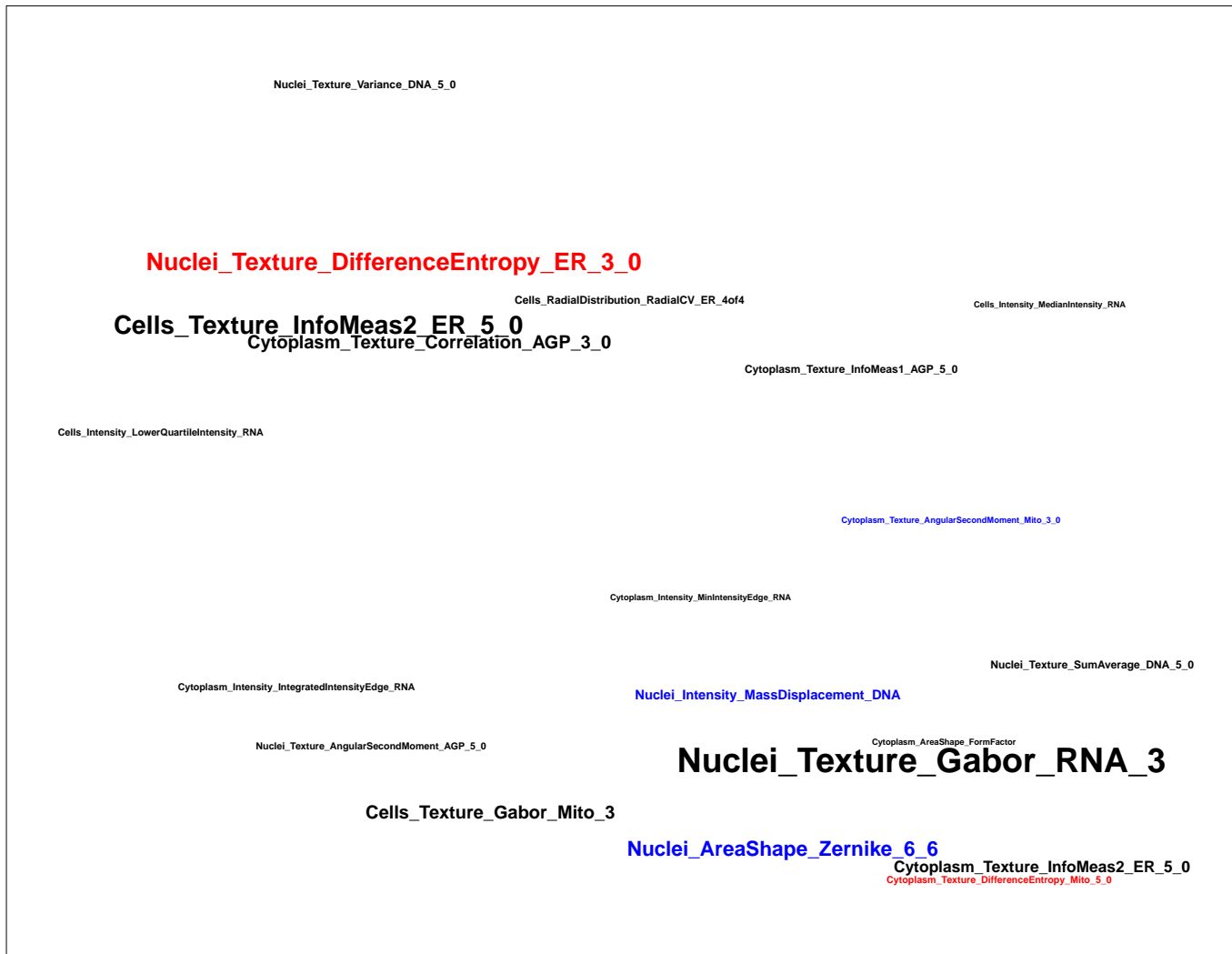
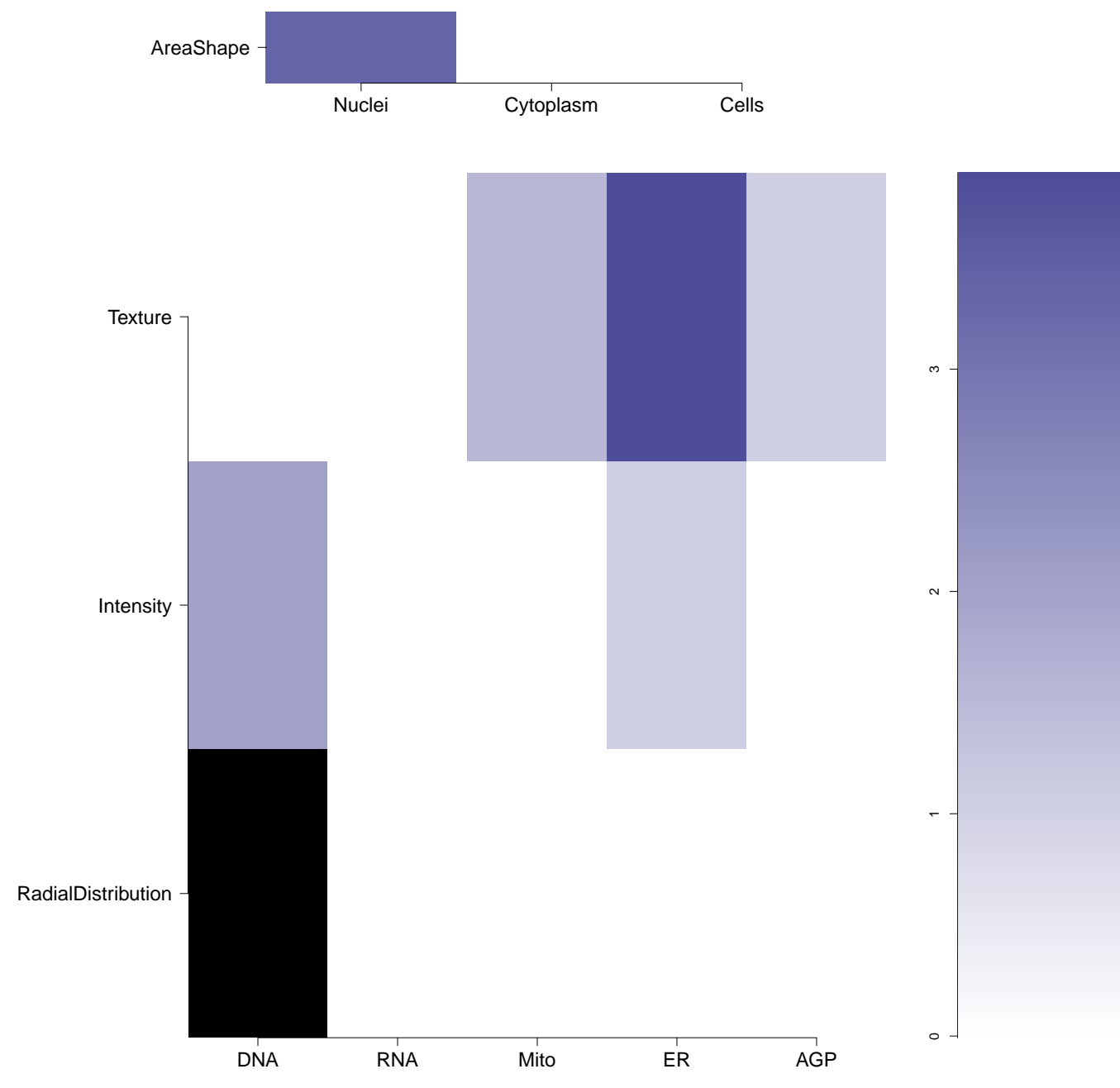
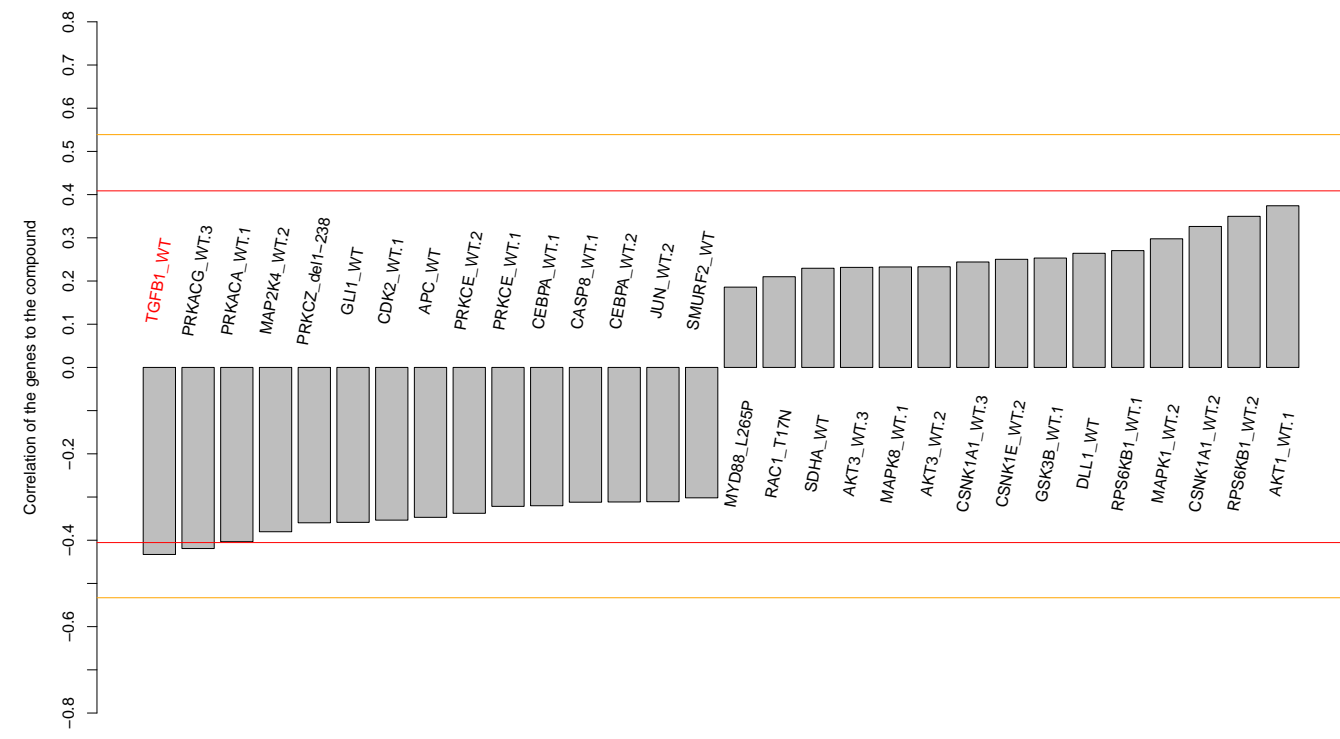
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NA (in 1 replicates)

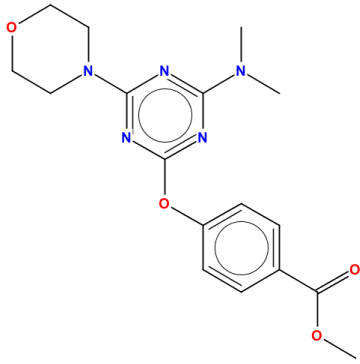
-0.43

NA



- Total number of assays tested in: 646. Active in the following assays:
- Primary cell based high-throughput screening assay for antagonists of neuropeptide Y receptor Y2 (NPY-Y2) (AID 793)
  - High Throughput Screen to Identify Compounds that Suppress the Growth of Human Colon Tumor Cells Lacking Oncogenic Beta Catenin Expression (AID 818)
  - High Throughput Screen to Identify Compounds that Suppress the Growth of Cells with a Deletion of the PTEN Tumor Suppressor (AID 827)
  - High Throughput Screen to Identify Compounds that Suppress the Growth of Human Colon Tumor Cells Lacking Oncogenic Beta Catenin Expression - Dose Response (AID 1045)
  - High Throughput Screen to Identify Compounds that Suppress the Growth of Cells with a Deletion of the PTEN Tumor Suppressor - Dose Response (AID 1047)
  - Leishmania major promastigote HTS (AID 1063)
  - Cell-based high throughput confirmation assay for antagonists of neuropeptide Y receptor Y2 (NPY-Y2) (AID 1257)
  - Dose response cell-based screening assay for antagonists of neuropeptide Y receptor Y2 (NPY-Y2) (AID 1272)
  - Dose response counterscreen for neuropeptide Y receptor Y2 (NPY-Y2): Cell-based high throughput assay to measure NPY-Y1 antagonism (AID 1279)
  - qHTS Assay for Inhibitors of Bacillus subtilis Sp phosphotransferase (PPTase) (AID 1490)
  - MLPCN Ras selective lethality-BleRL viability (AID 1554)
  - High Throughput Screen to Identify Inhibitors of Mycobacterium tuberculosis H37Rv (AID 1626)
  - Luminescence Cell-Based Dose Response HTS to Identify Compounds Cytotoxic to DRD Non-Viral Oncogenic Fibroblast (AID 1934)
  - VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546)
  - Inhibitors of the vitamin D receptor (VDR): qHTS (AID 504847)
  - qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)
  - qHTS for Inhibitors of TGF- $\beta$  (AID 588855)
  - qHTS for Inhibitors of TGF- $\beta$ : Cytotox Counterscreen (AID 588856)
  - 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)
  - Single concentration confirmation of uHTS antagonist hits from Gb-SUFU in a luminescent reporter assay (AID 602428)
  - A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296)
  - qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417)
  - Luminescence-based biochemical high throughput confirmation assay for inhibitors of the interaction of the lipase co-activator protein, abhydrolase domain containing 5 (ABHD5) with perilipin-5 (MLDP; PLIN5) (AID 651612)
  - Counterscreen for inhibitors of the interaction of the lipase co-activator protein, abhydrolase domain containing 5 (ABHD5) with perilipin-5 (MLDP; PLIN5): Luminescence-based biochemical high throughput assay to identify inhibitors of Hepatocyte nuclear factor 4 (HNF4) dimerization (AID 651674)
  - qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
  - Single concentration validation of nHTS antagonist hits from Gb-SUFU in a luminescent cytotoxicity assay (AID 651994)
  - 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)
  - qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)
  - High Throughput Screening for Foot and Mouth Disease Virus Antivirals (AID 1159524)

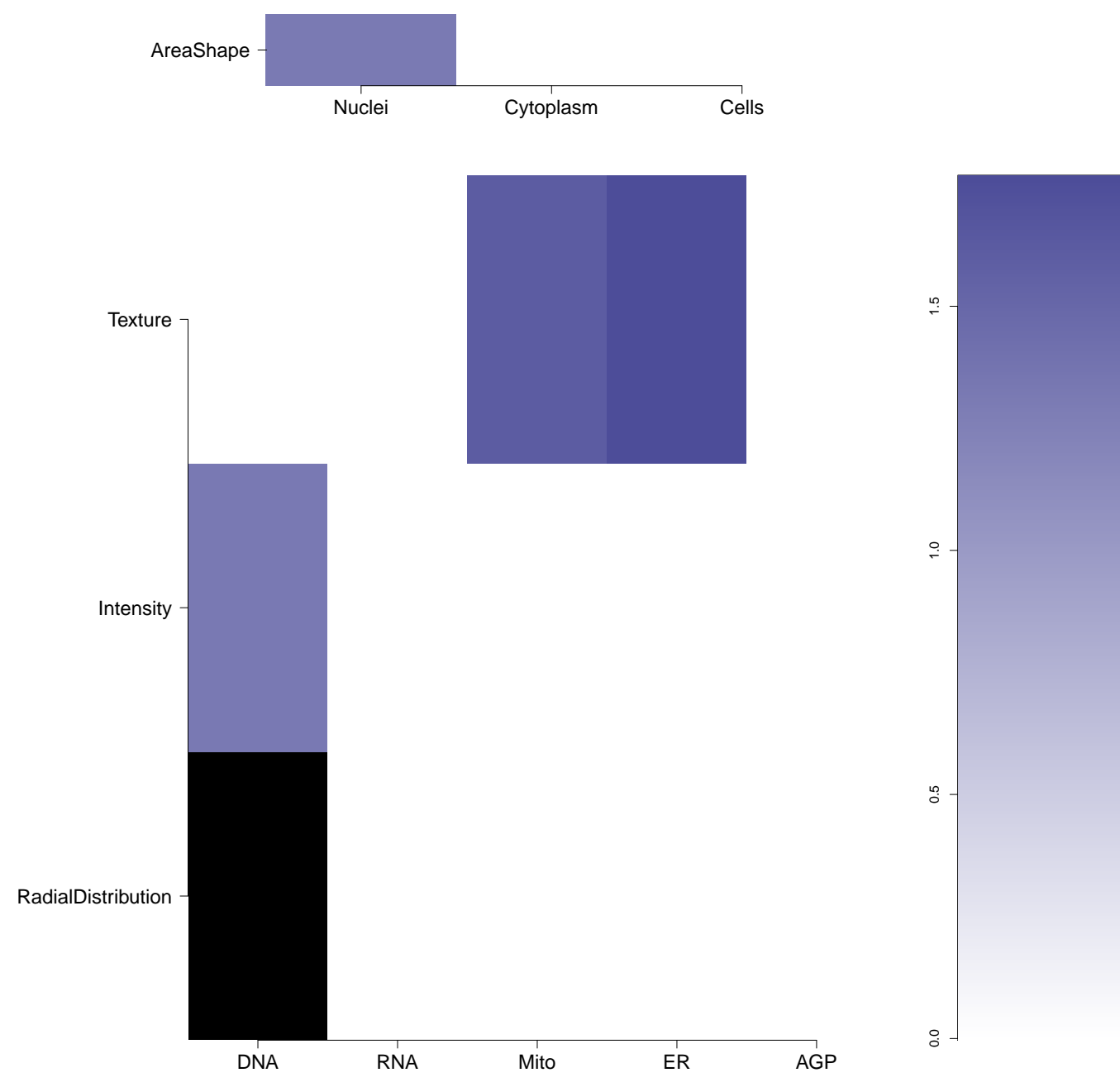
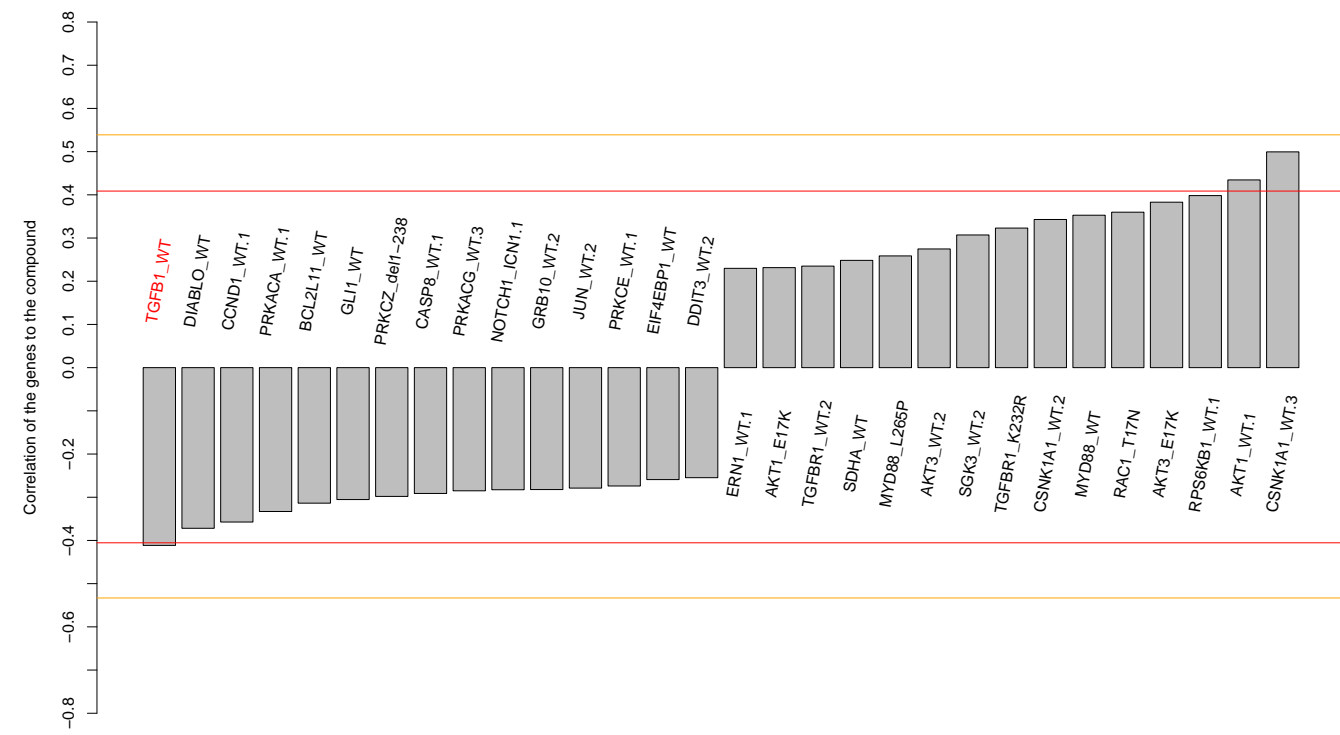
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NA (in 1 replicates)

-0.41

NA



- Total number of assays tested in: 685. Active in the following assays:
- Cytochrome panel assay with activity outcomes (AID 1851)