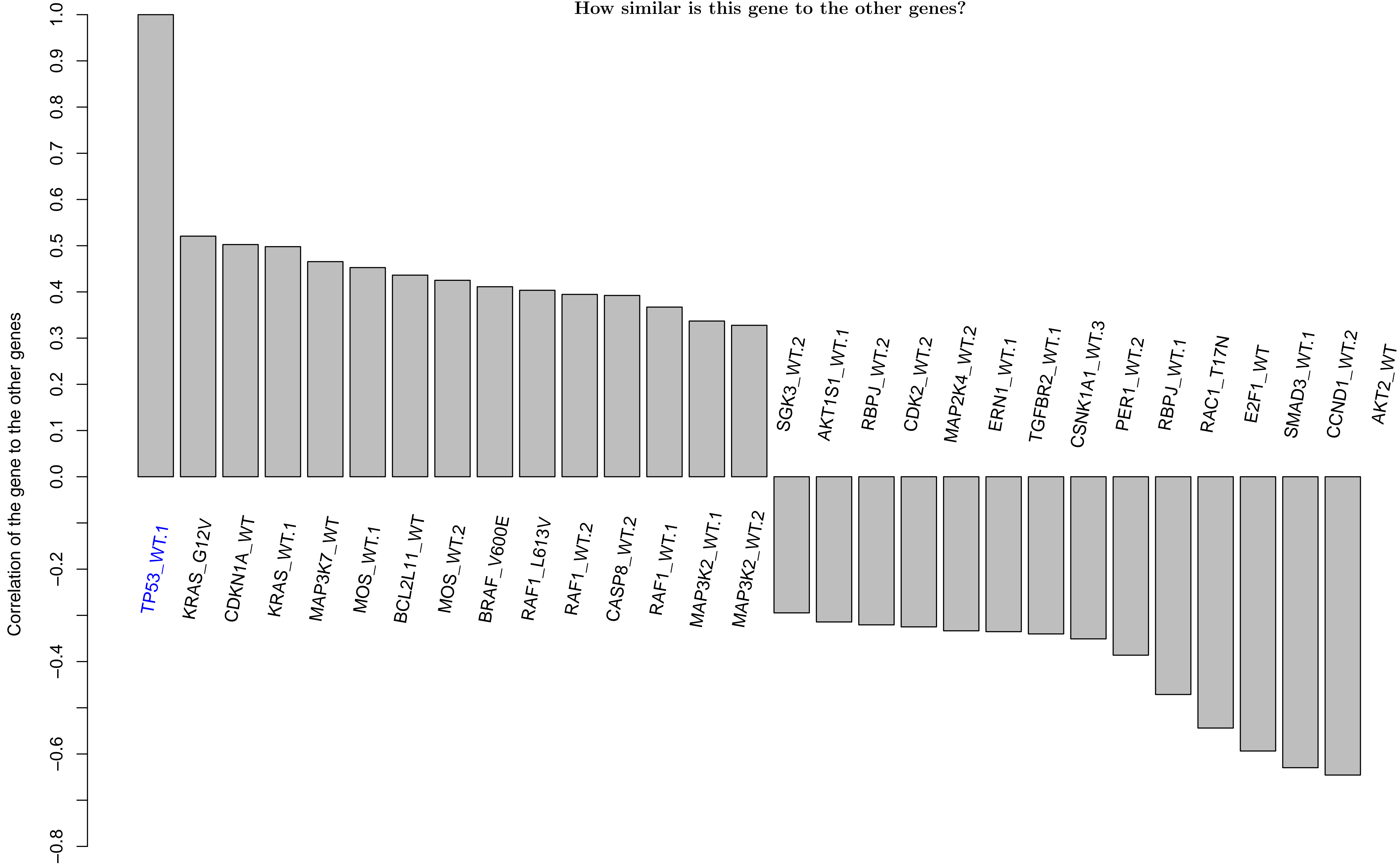
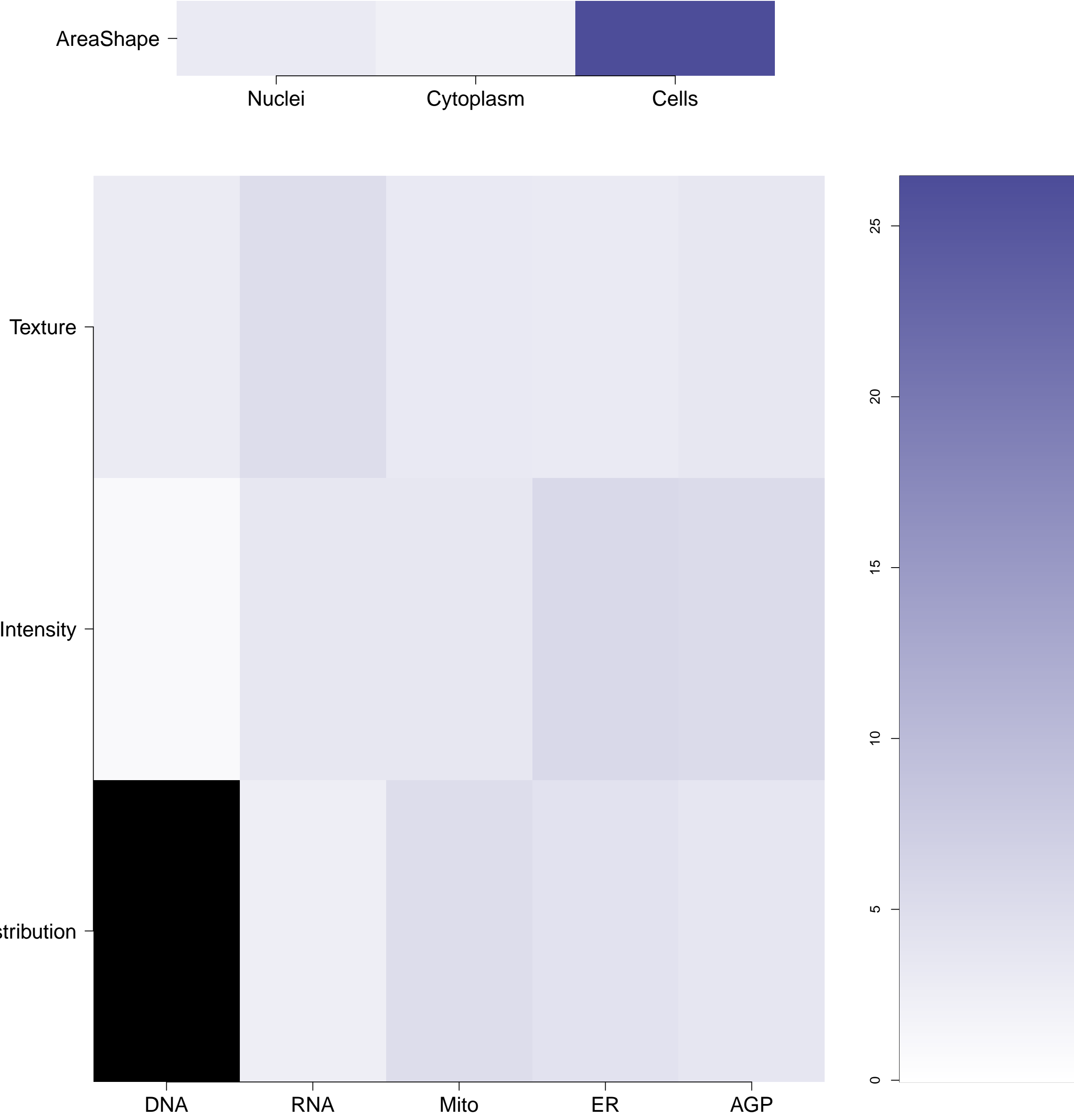


How similar is this gene to the other genes?



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

TP53.WT.1 (41744)

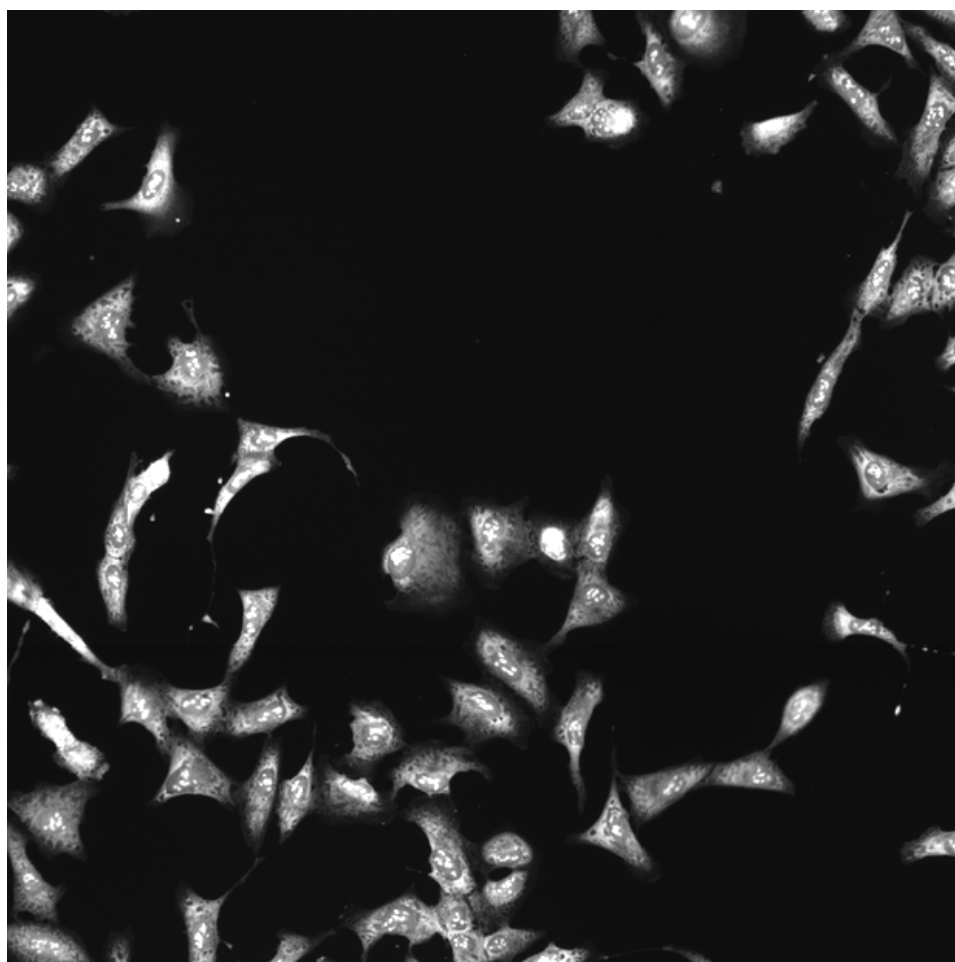
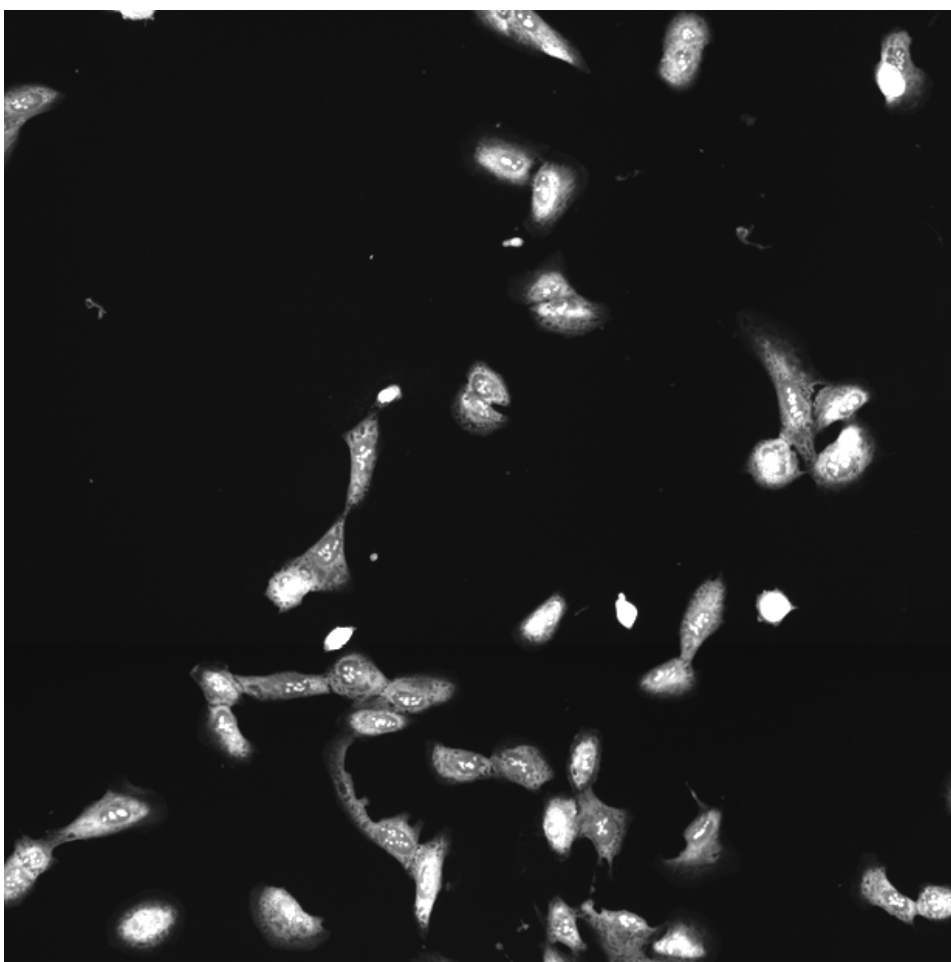
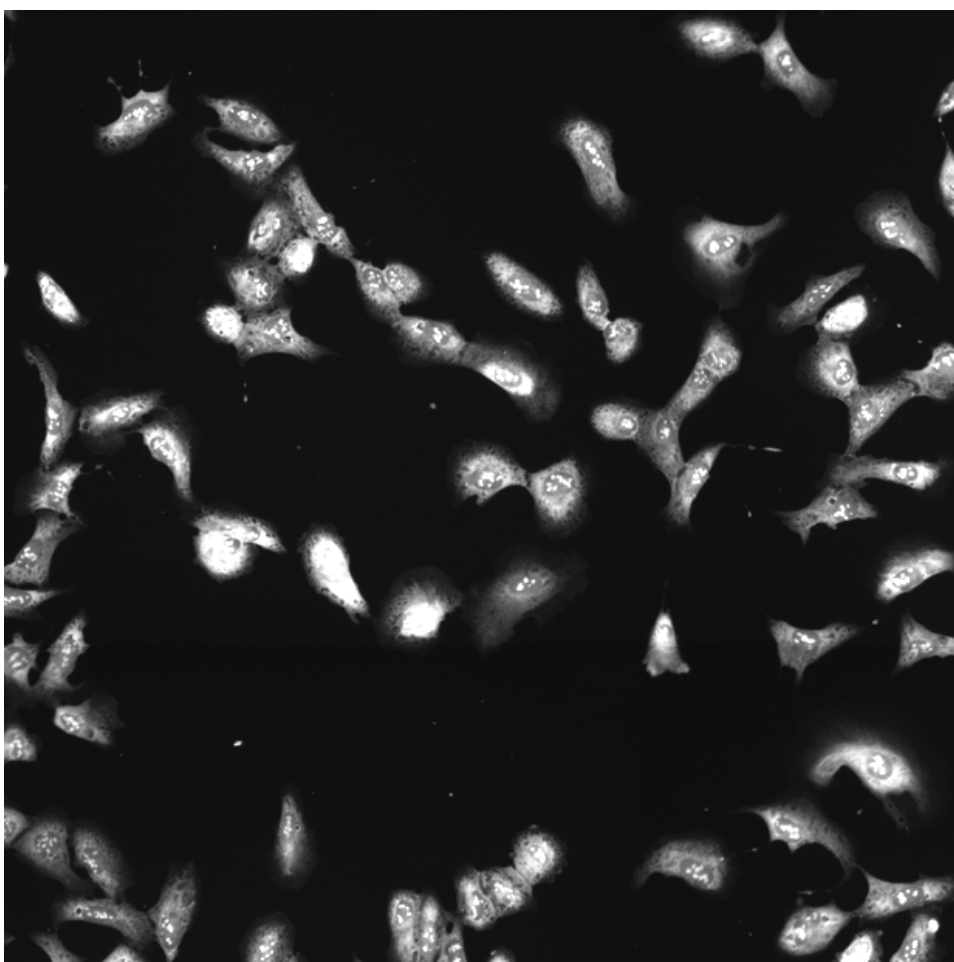
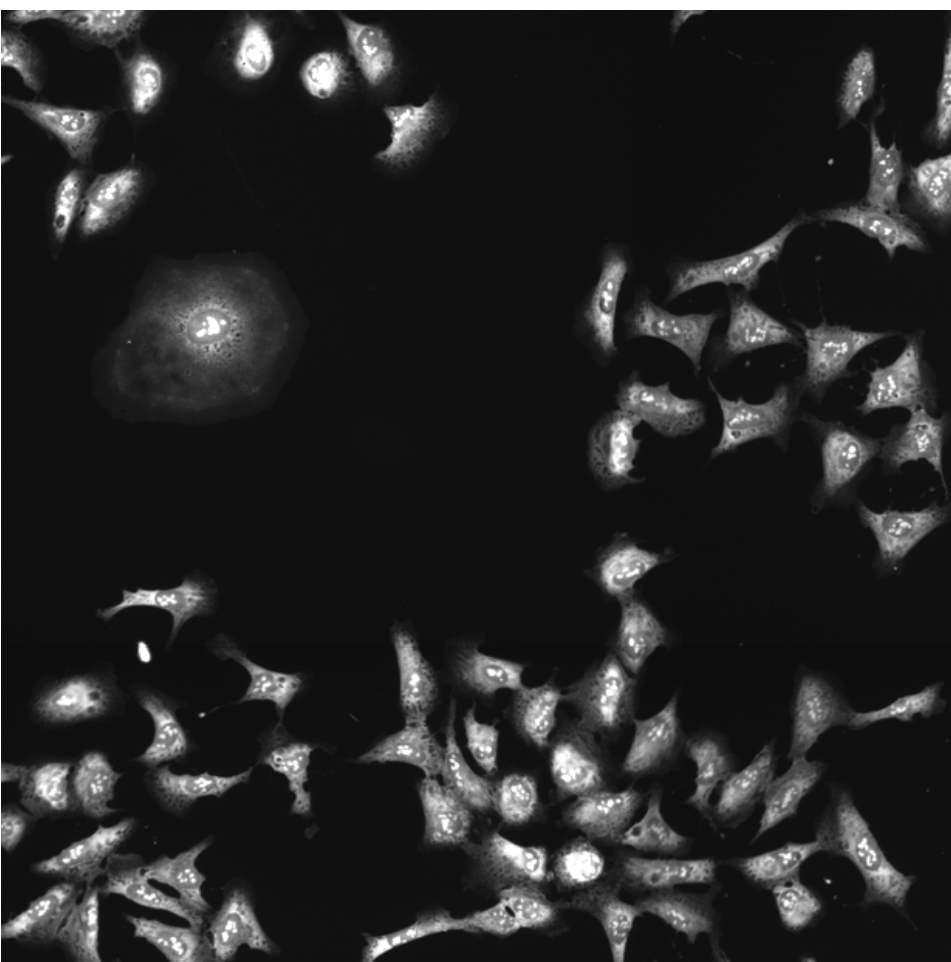
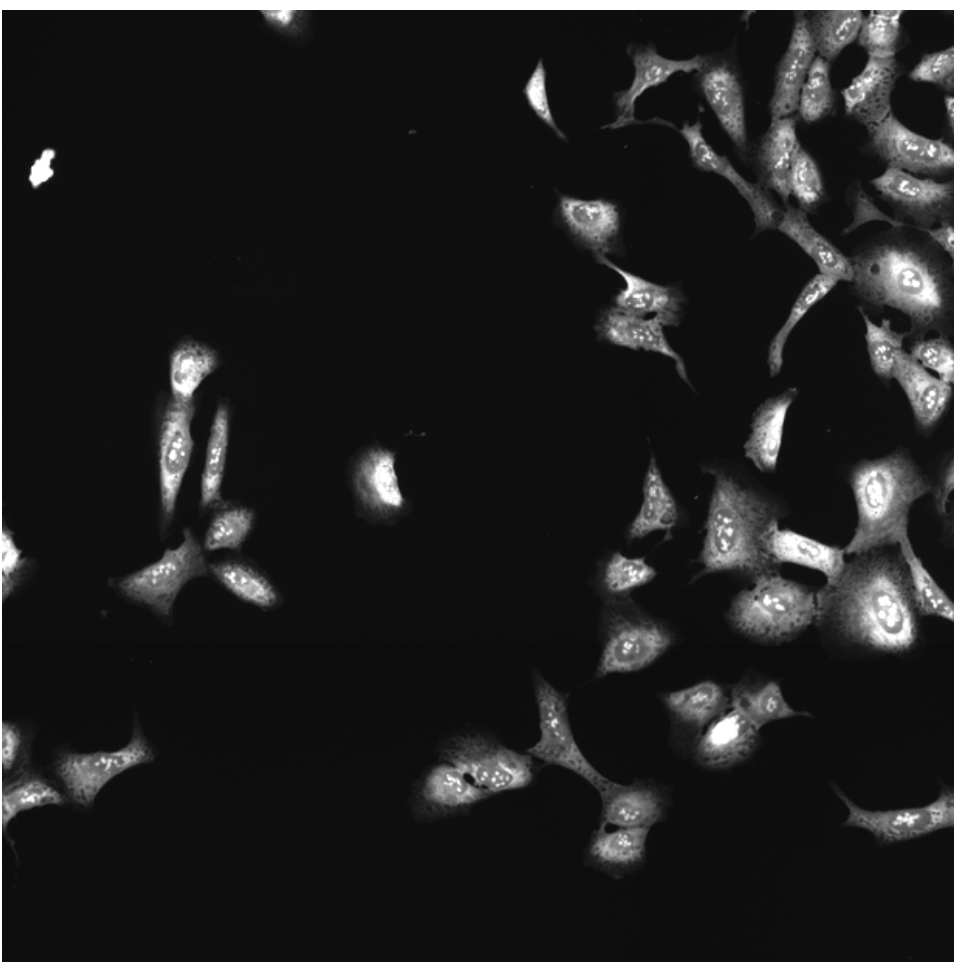
TP53.WT.1 (41755)

TP53.WT.1 (41756)

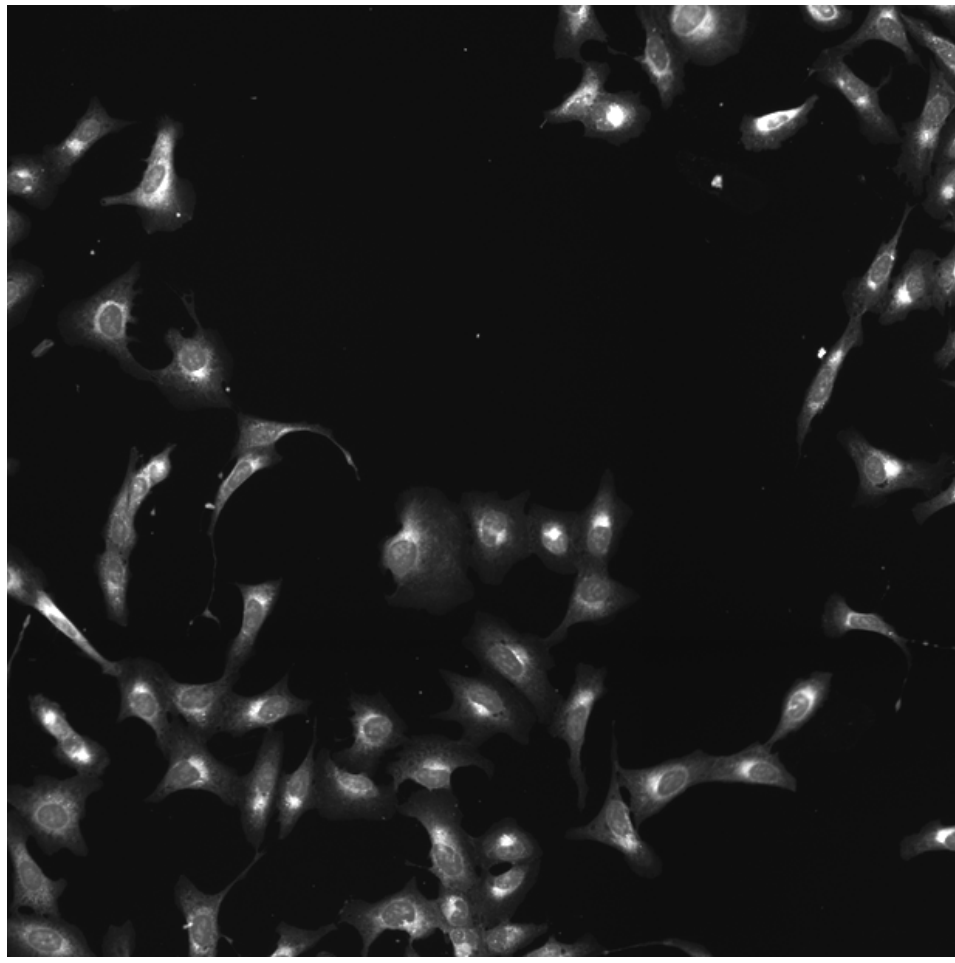
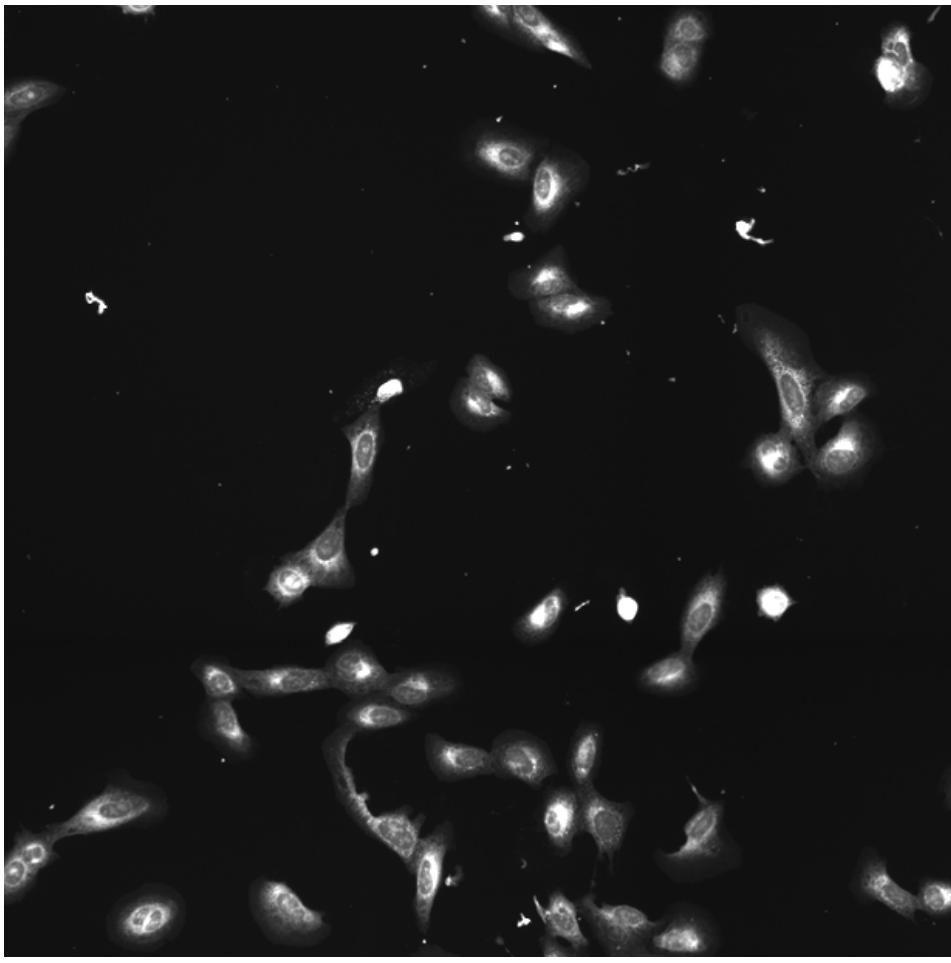
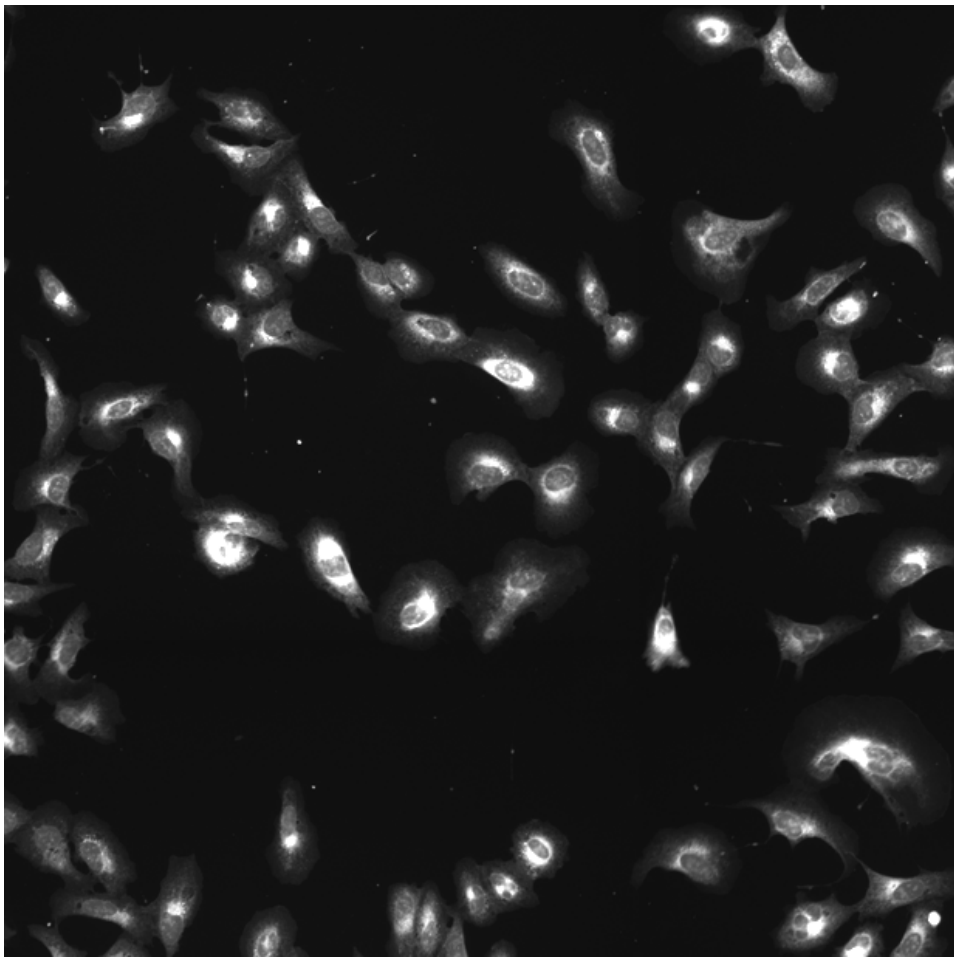
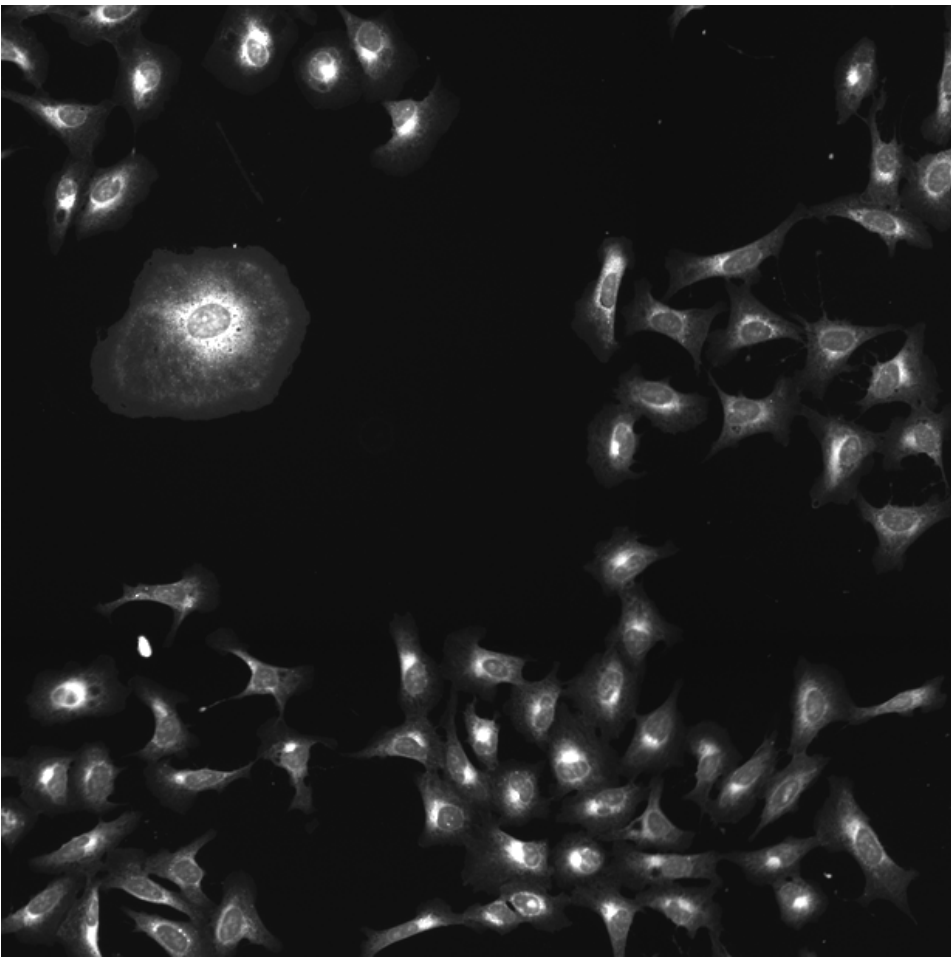
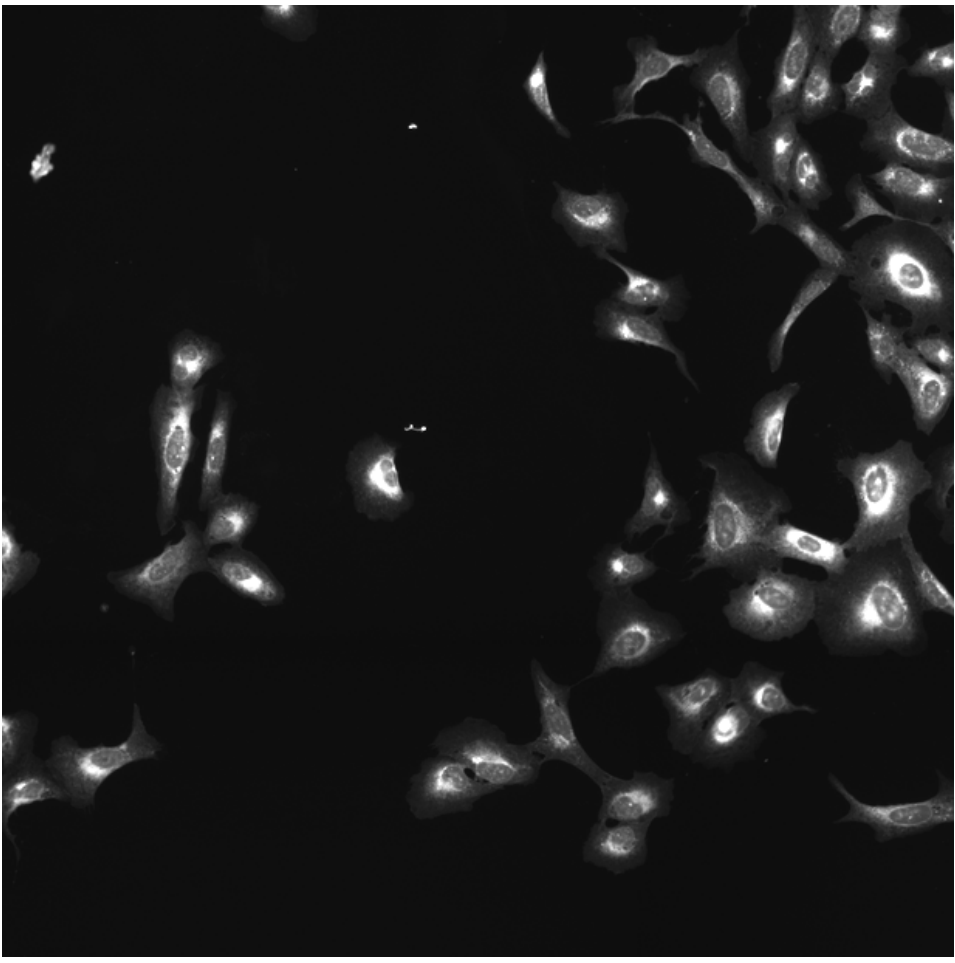
TP53.WT.1 (41757)

TP53.WT.1 (41754)

RNA

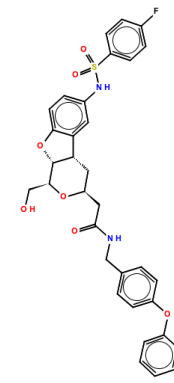
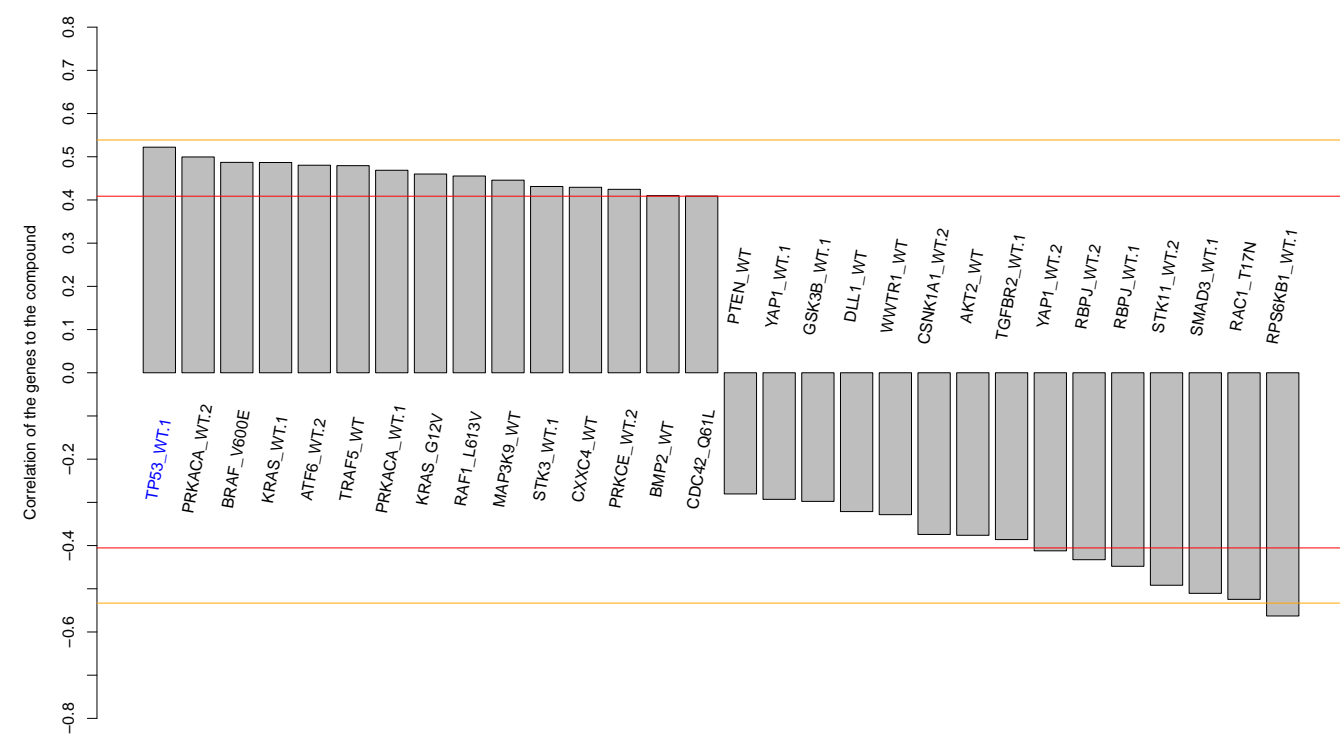
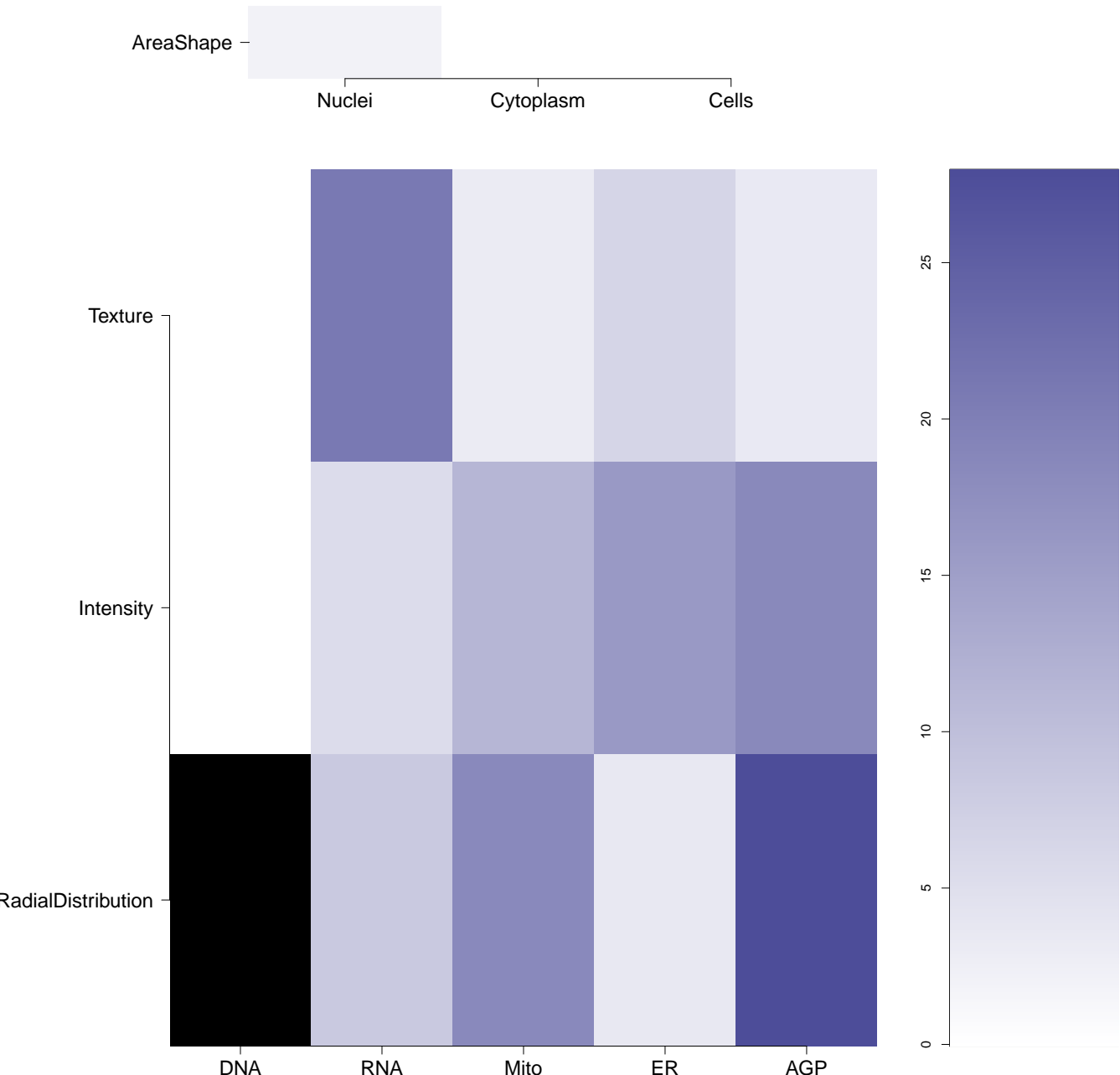

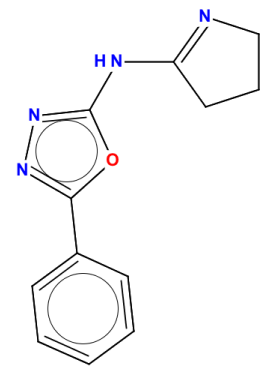
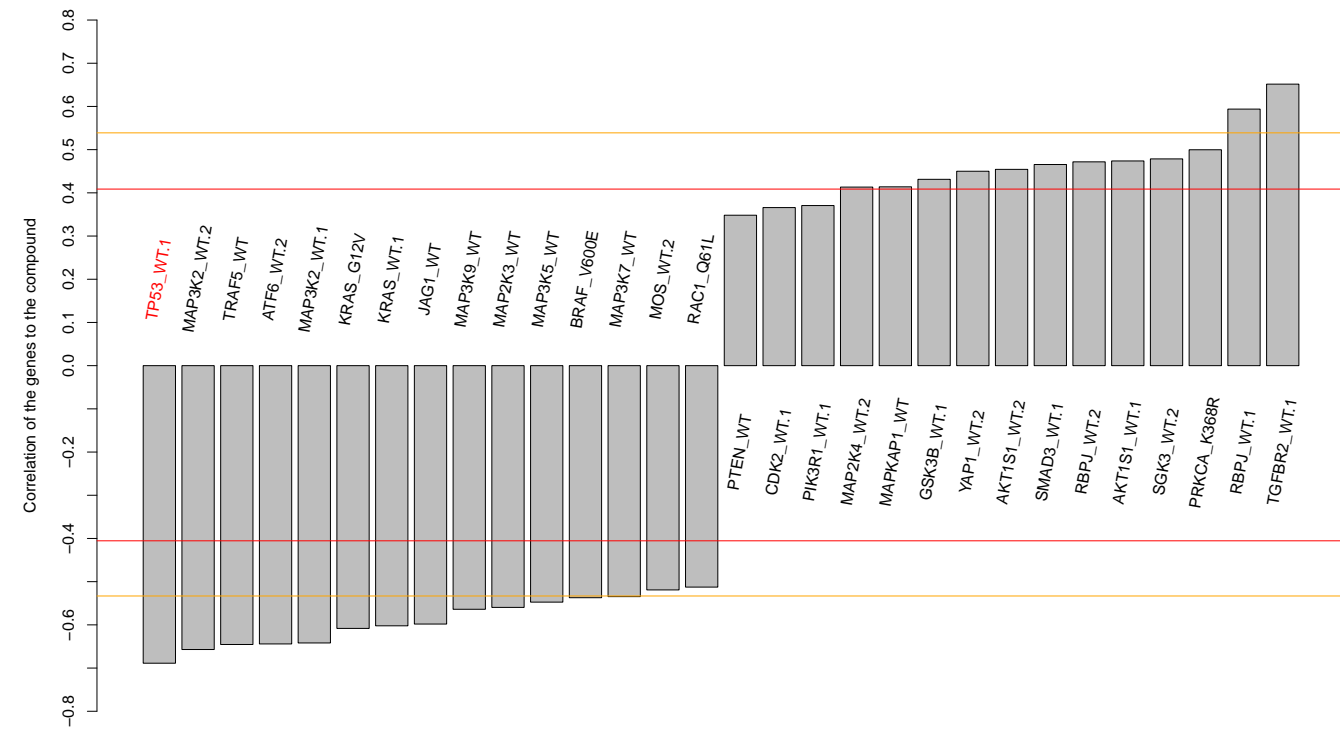
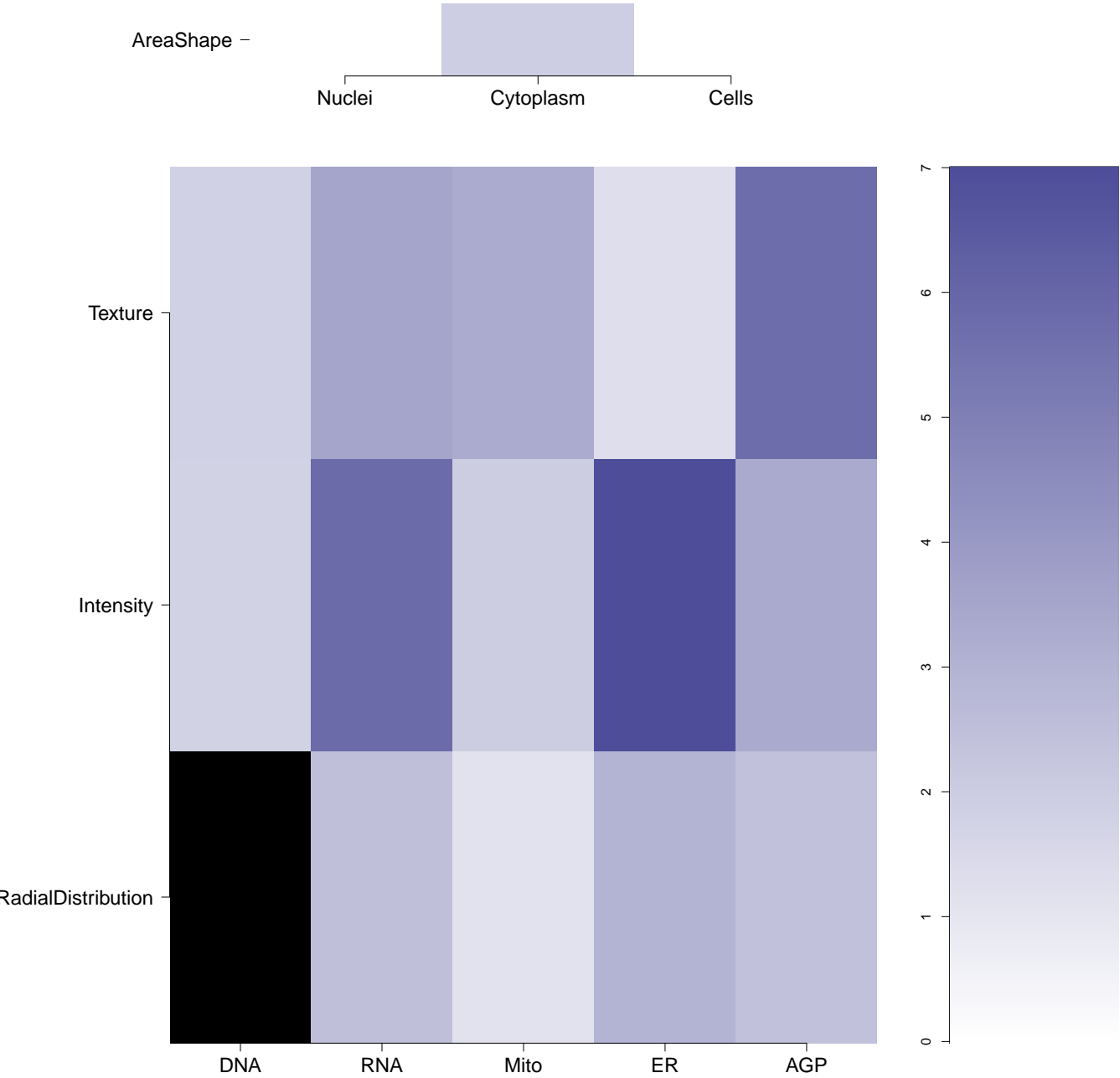

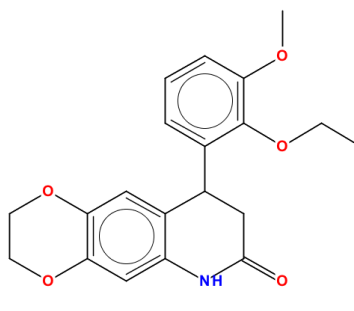
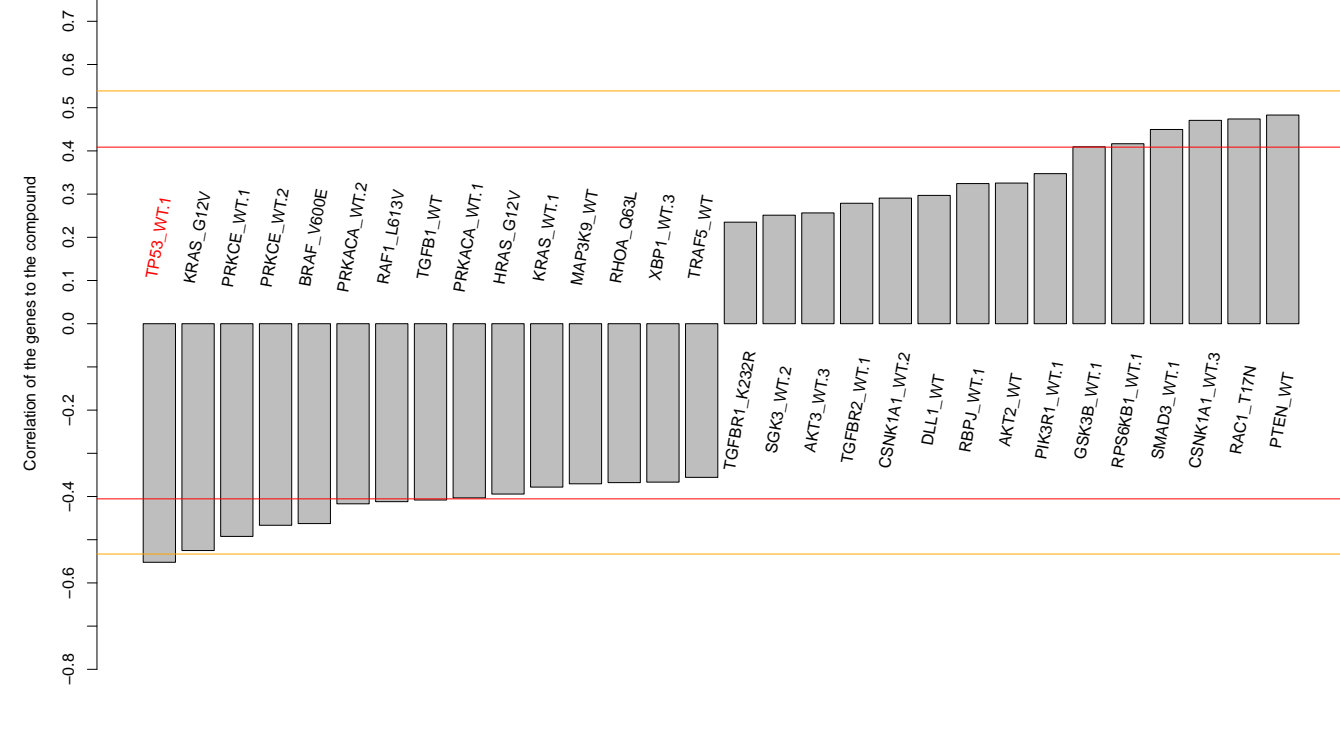
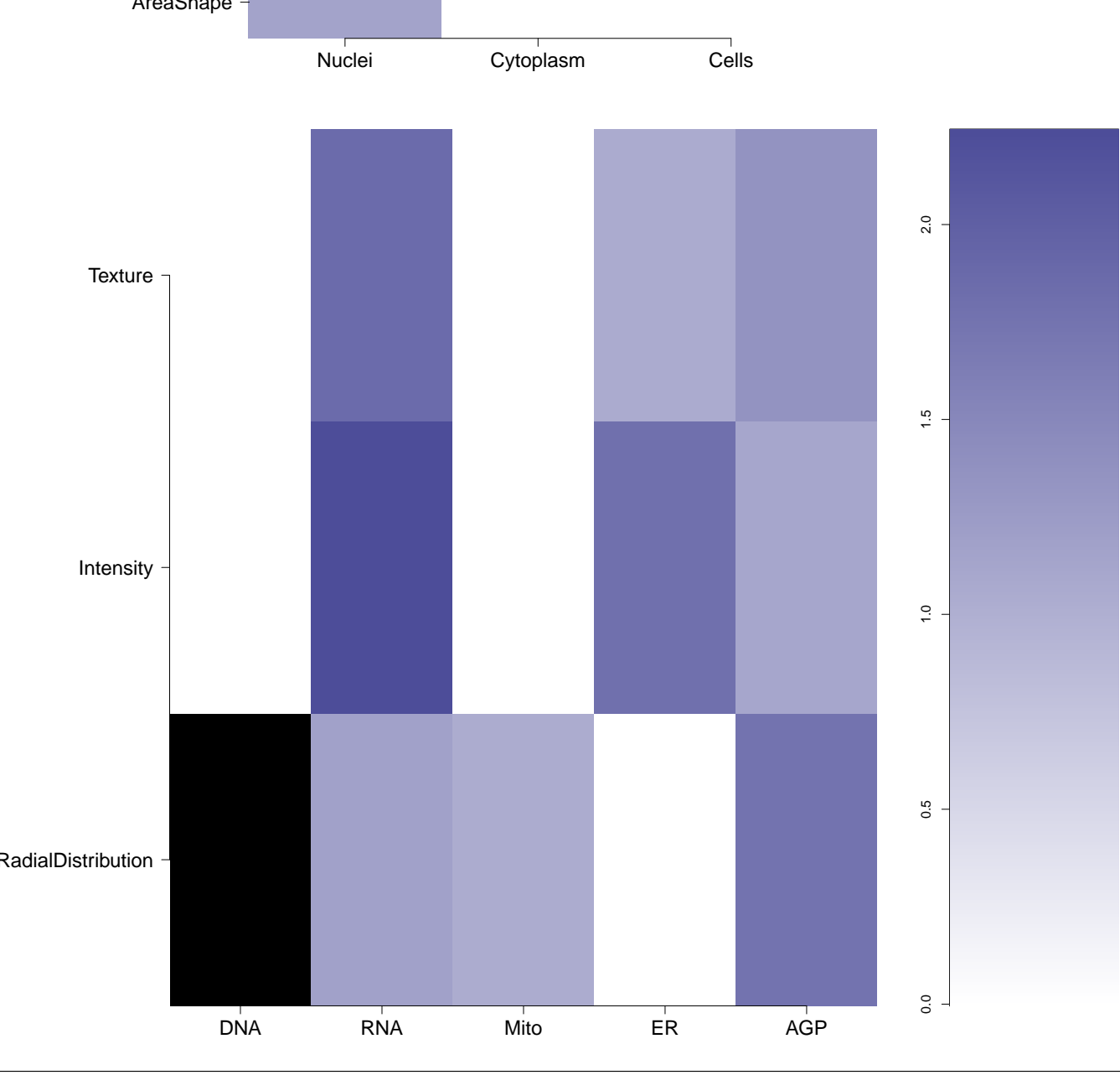

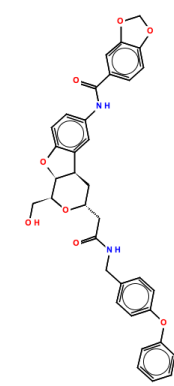
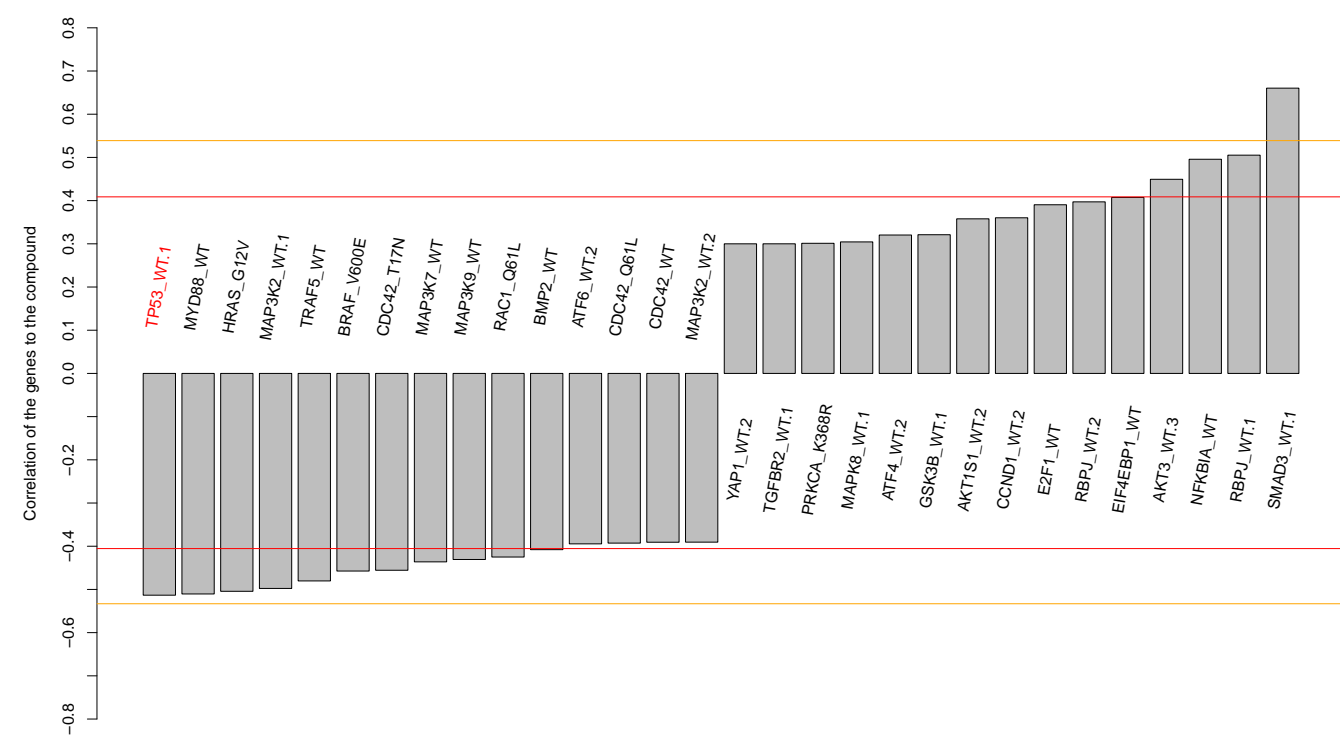
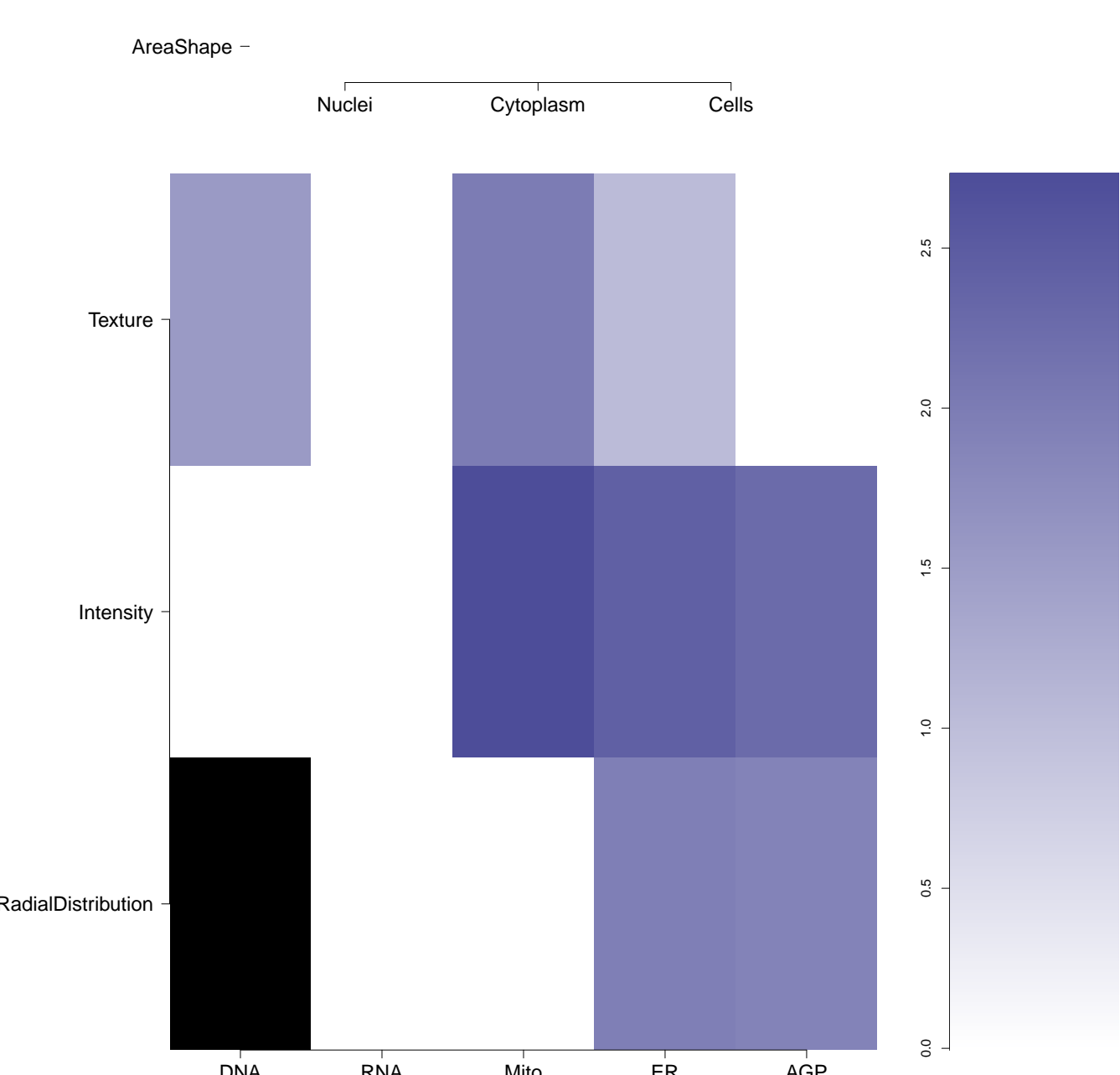

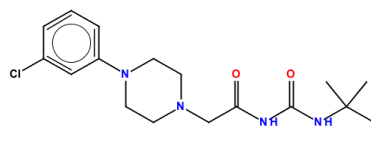
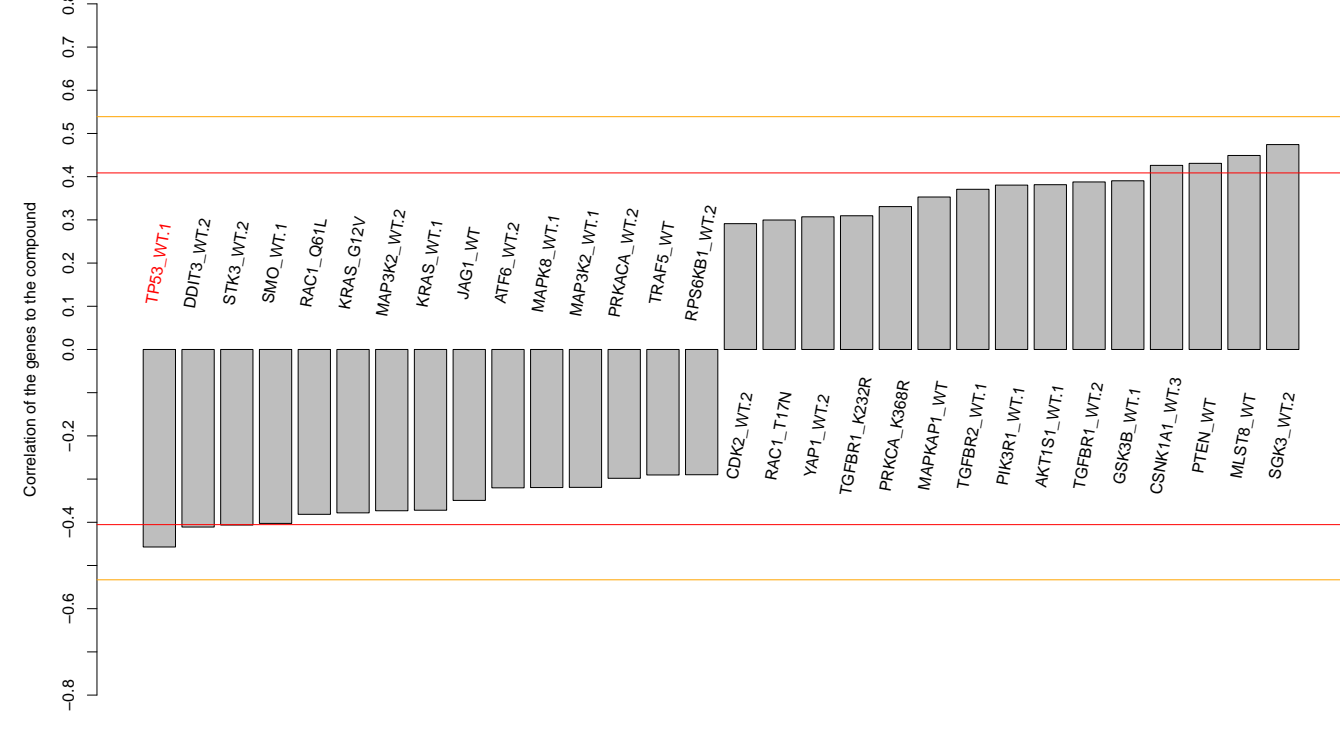
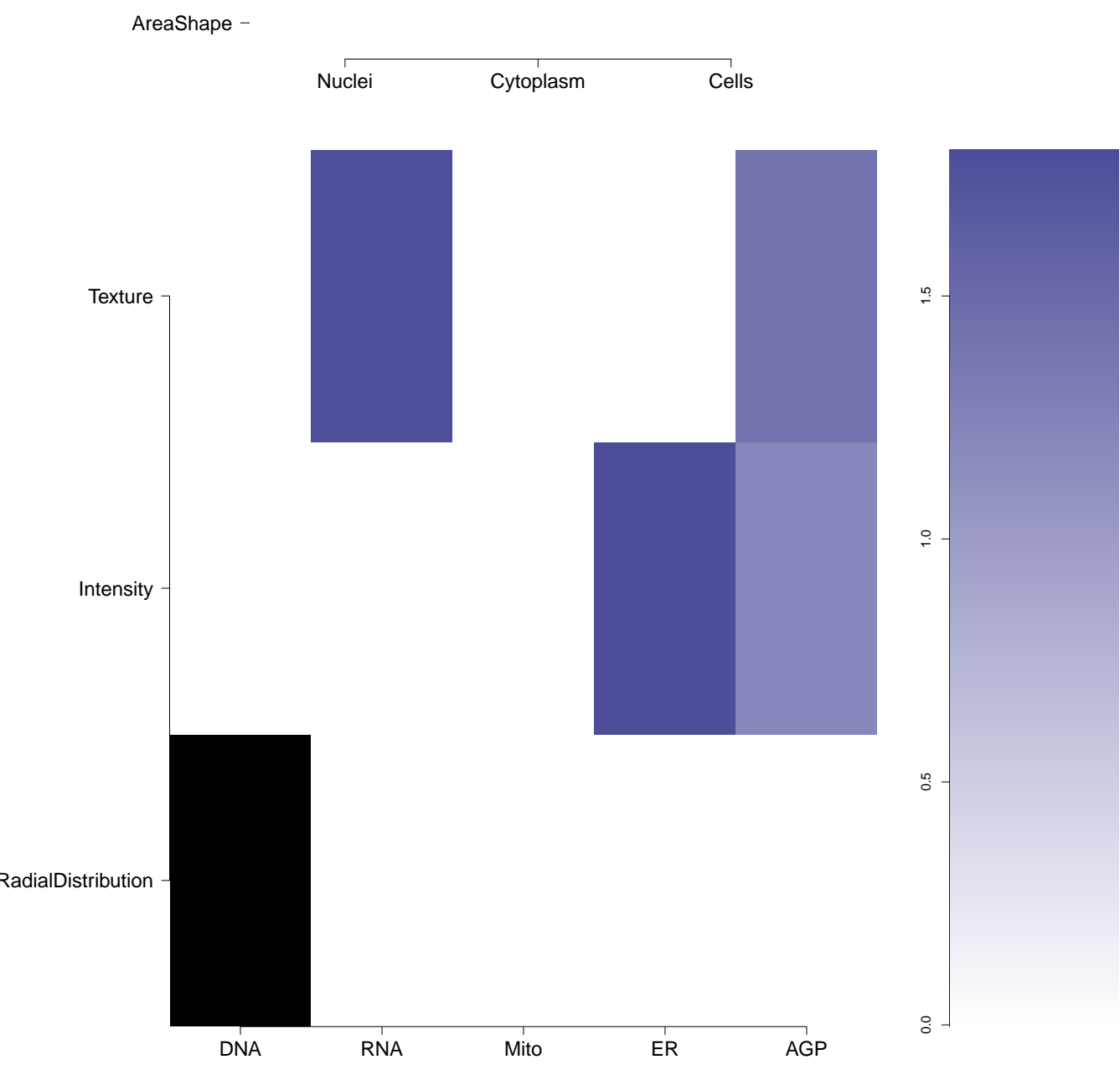
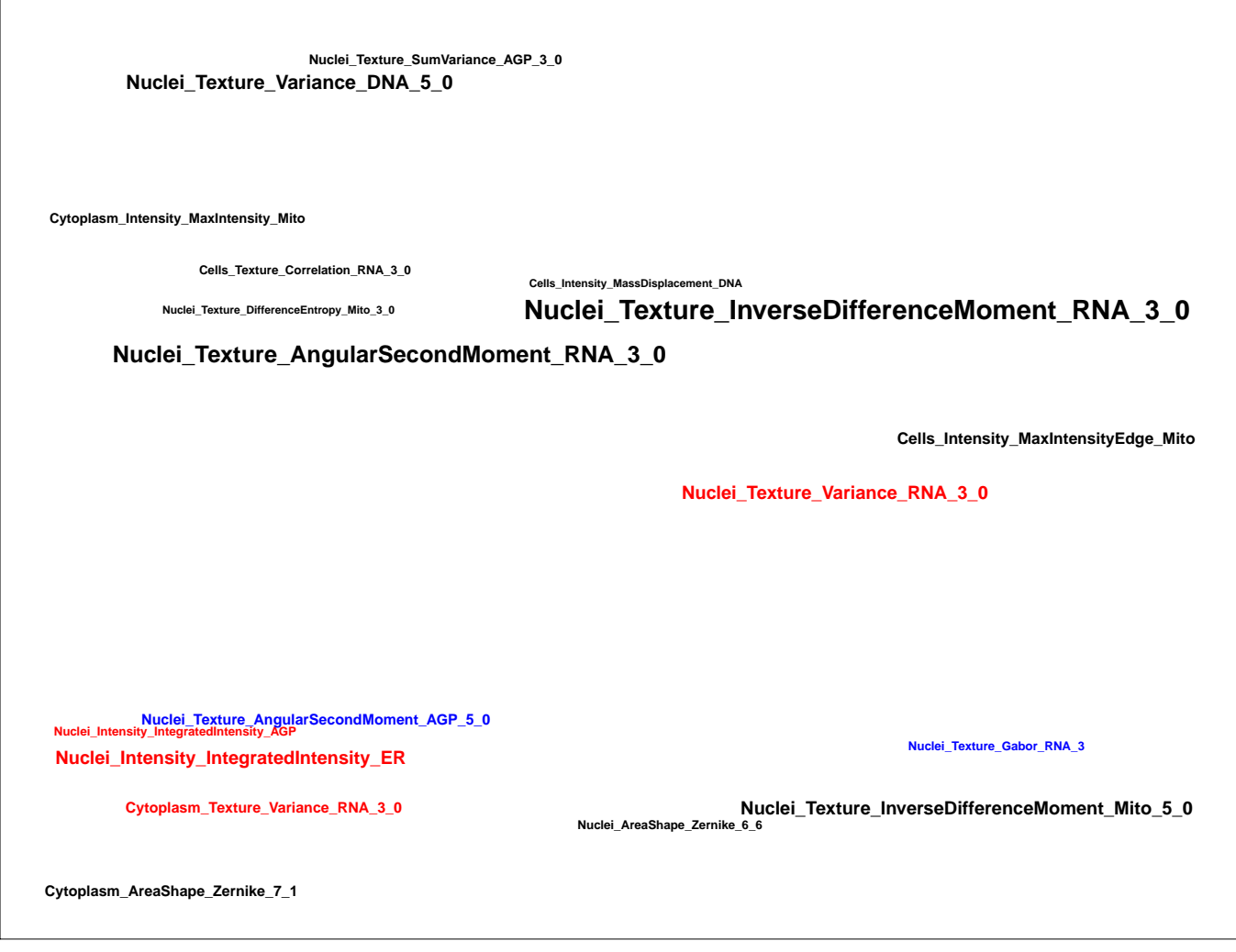


ER



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 0.52)	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-K19876534-001-01-0 PubChem CID : 54646516		0.96 (in 4 replicates)	0.52	0.689				<p>Total number of assays tested in: 44. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01.Inhibitor.SinglePoint.HTS.Activity (AID 602342)</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>Luminescence Cell-Based Primary HTS to identify inhibitors of the oncoprotein EWS/Flt transcriptional activity Measured in Cell-Based System Using Plate Reader - 703-01.Inhibitor.SinglePoint.HTS.Activity (AID 651661)</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-K15827540-001-05-0 T5250099 AC1M2QX1 MLS001010624 HMS1774C11 HMS2718E22 ZINC12531006 SMR000352827 PubChem CID : 2123280		NA (in 1 replicates)	-0.69	NA				<p>Total number of assays tested in: 643. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Primary cell-based high throughput screening assay to measure STAT3 inhibition (AID 862)</li> <li>Counter Screen for Luciferase-based Primary Inhibition Assays (AID 1006)</li> <li>qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458)</li> <li>qHTS Assay for Inhibitors of Leishmania Mexicana Pyruvate Kinase (LmPK) (AID 1721)</li> <li>Luminescence-based primary biochemical high throughput screening assay to identify inhibitors of the Heat Shock Protein 90 (HSP90) (AID 1789)</li> <li>qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)</li> <li>qHTS Assay for RaIb Promoter Activators (AID 485297)</li> <li>qHTS screen for small molecules that induce genotoxicity in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504466)</li> <li>qHTS for Inhibitors of binding or entry into cells for Lassa Virus (AID 504256)</li> <li>qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)</li> <li>Luminescence-based cell-based primary high throughput screening assay for inhibitors of the orphan nuclear receptor subfamily 0, group B, member 1 (DAX1; NR0B1): repression of SF-1 (NR5A1) activated StatAR promoter by full-length DAX-1 (AID 652010)</li> <li>qHTS for Inhibitors of PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720504)</li> </ul>
BRD-A85854481-001-04-5 ST50371429 SMR000093484 AC1MK5H MLS000116514 MLS002586593 HMS2248K13 STK405939 BAS 12519801 PubChem CID : 3162345		NA (in 1 replicates)	-0.55	NA				<p>Total number of assays tested in: 772. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Human H69AR Lung Tumor Cell Growth Inhibition Assay - 86K Screen (AID 598)</li> <li>CYP2C9 Assay (AID 777)</li> <li>CYP2C19 Assay (AID 778)</li> <li>qHTS Assay for Agonists of the Thyroid Stimulating Hormone Receptor (AID 926)</li> <li>HCS assay for microtubule stabilizers (AID 2205)</li> <li>Primary cell-based high-throughput screening for identification of compounds that antagonize MrgX1 receptor signaling (AID 588676)</li> <li>A cell based assay for assessing vero cell cytotoxicity of Inhibitors Targeting HIV-1 Vif-dependent Degradation of Human APOBEC3G (AID 1117358)</li> </ul>
BRD-K52184420-001-01-4 PubChem CID : 54645920		NA (in 1 replicates)	-0.51	0.071				<p>Total number of assays tested in: 44. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Inhibition of Trcuzi proliferation in culture Measured in Cell-Based System Using Plate Reader - 2138-01.Inhibitor.SinglePoint.HTS.Activity (AID 642555)</li> <li>Inhibition of Trcuzi proliferation in culture Measured in Cell-Based System Using Plate Reader - 2138-01.Inhibitor.SinglePoint.CherryPick.Activity (AID 651739)</li> <li>NIH/3T3 (mouse embryonic fibroblast) toxicity Measured in Cell-Based System Using Plate Reader - 2138-02.Inhibitor.SinglePoint.CherryPick.Activity.Set2 (AID 651744)</li> </ul>
BRD-K01370799-001-05-5 MLS000516892 SMR000343016 T5260106 AC1M15VQ BDBM75828 HMS2766118 ZINC36380231 PubChem CID : 2089384		NA (in 1 replicates)	-0.46	NA				<p>Total number of assays tested in: 564. Active in the following assays:</p> <ul style="list-style-type: none"> <li>qHTS for Small Molecule Inhibitors of Eukaryotic Translation Initiation (AID 782)</li> <li>qHTS Assay for Inhibitors of Influenza NS1 Protein Function (AID 2326)</li> <li>Fluorescence polarization-based cell-based primary high throughput screening assay to identify inhibitors of insulin-degrading enzyme (IDE) (AID 434962)</li> <li>Fluorescence polarization-based cell-based high throughput confirmation assay for inhibitors of insulin-degrading enzyme (IDE) (AID 435028)</li> <li>Primary cell-based screen for identification of compounds that inhibit the Choline Transporter (CHT) (AID 488975)</li> <li>Confirmatory screen for compounds that inhibit the Choline Transporter (CHT) (AID 493221)</li> <li>Dose responses of compounds that inhibit the Choline Transporter (CHT) - 5 point CRC (AID 504840)</li> <li>Dose responses of compounds that inhibit the Choline Transporter (CHT) - 10 point CRC (AID 588401)</li> <li>Confirmed inhibitors of the Choline Transporter (CHT) (AID 1053196)</li> </ul>