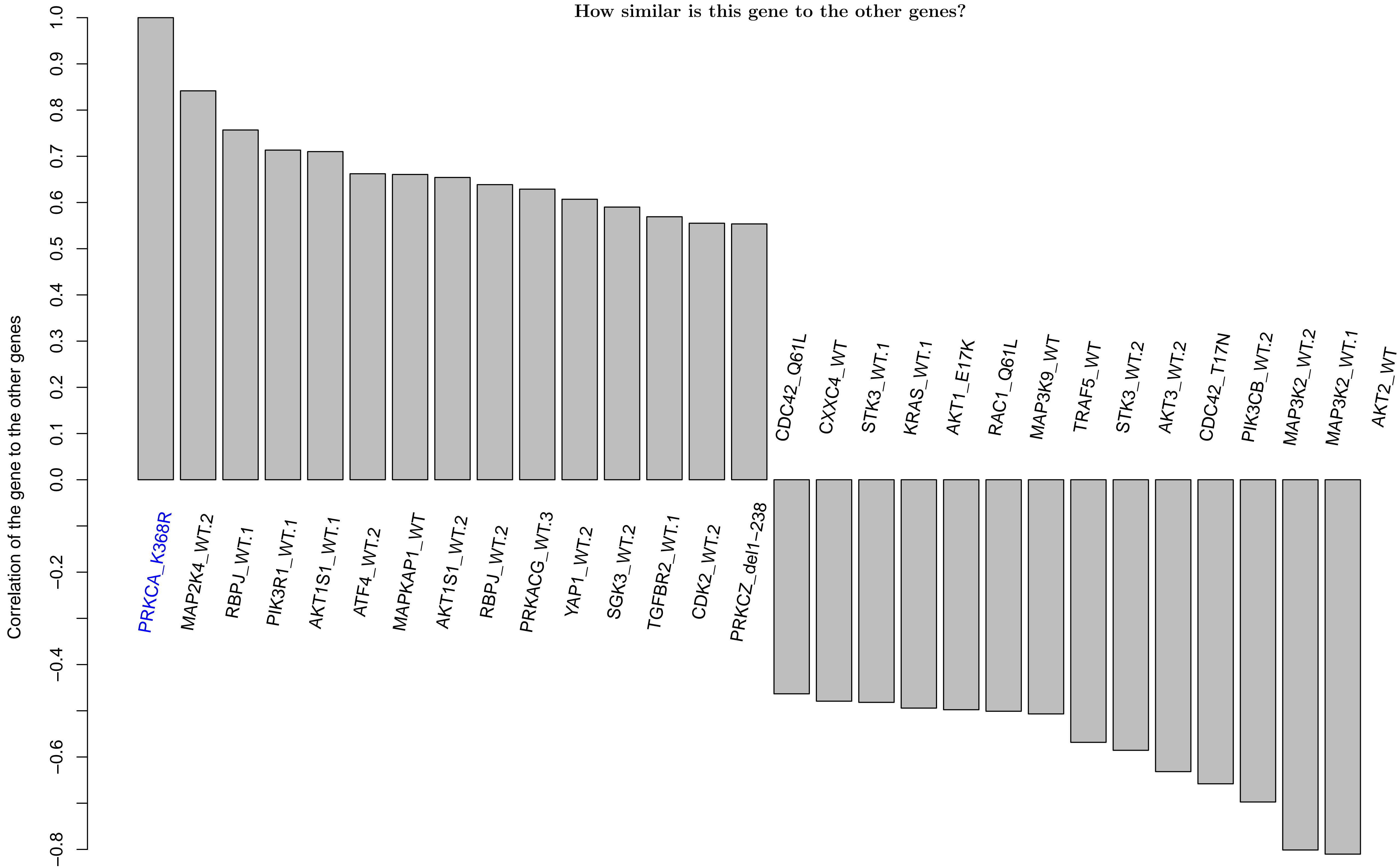
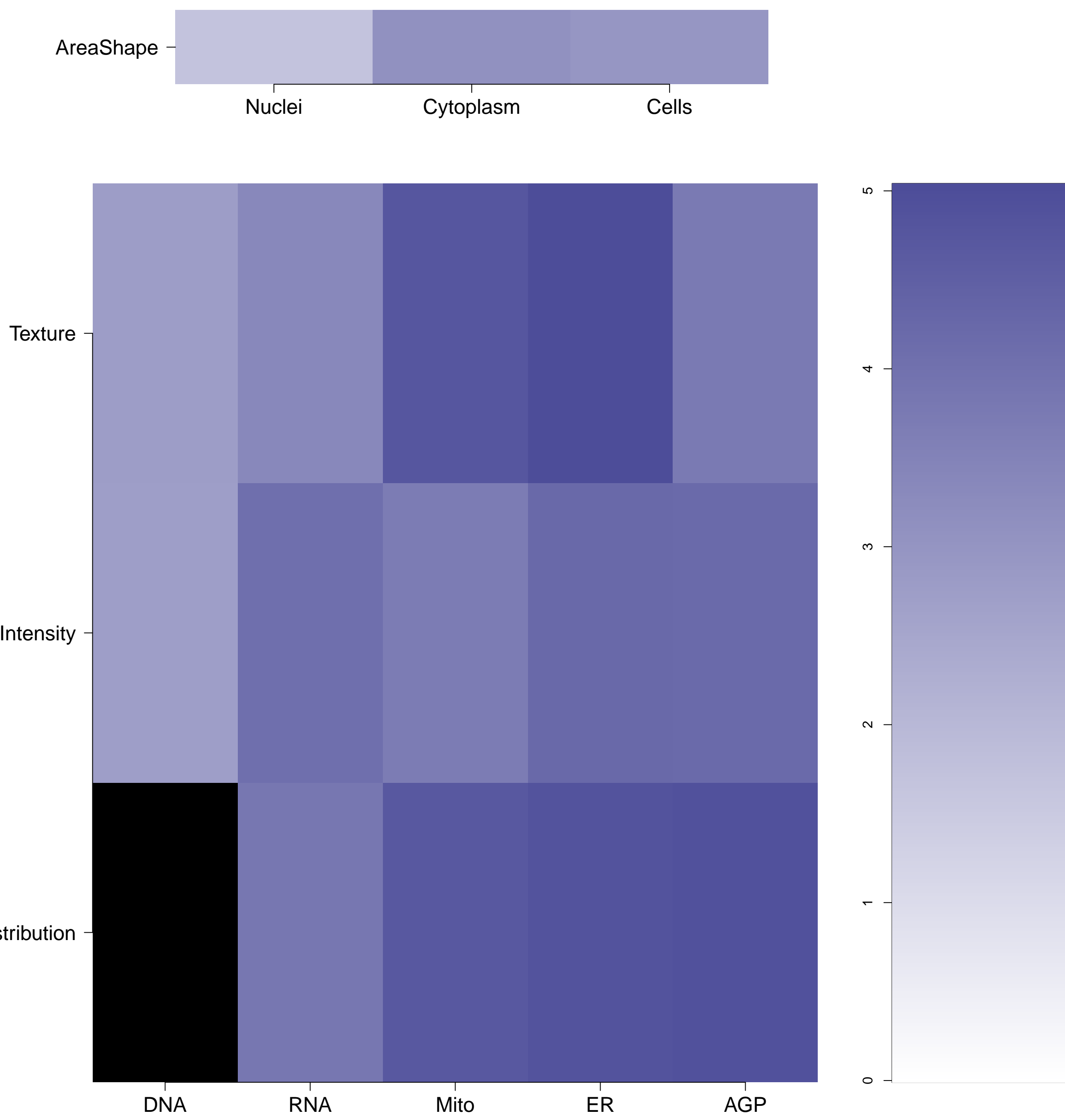


PRKCA.K368R - in Canonical PKC

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

PRKCA.K368R (41744)

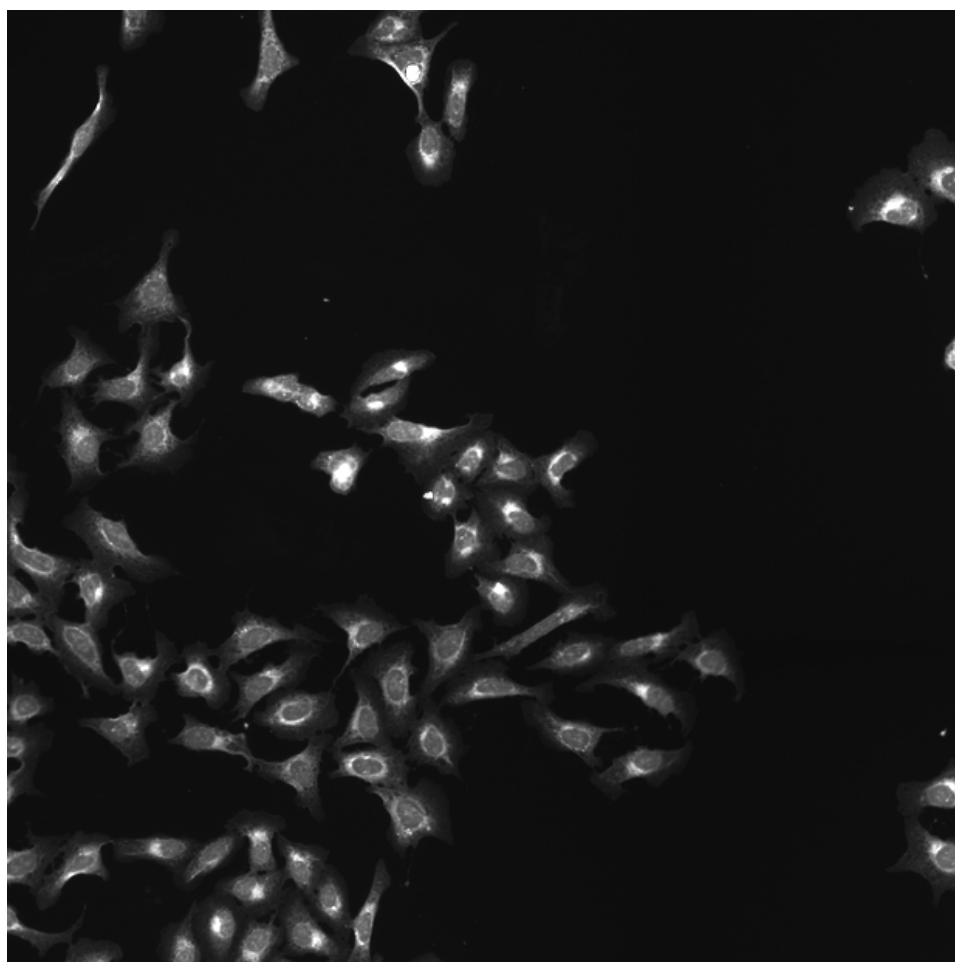
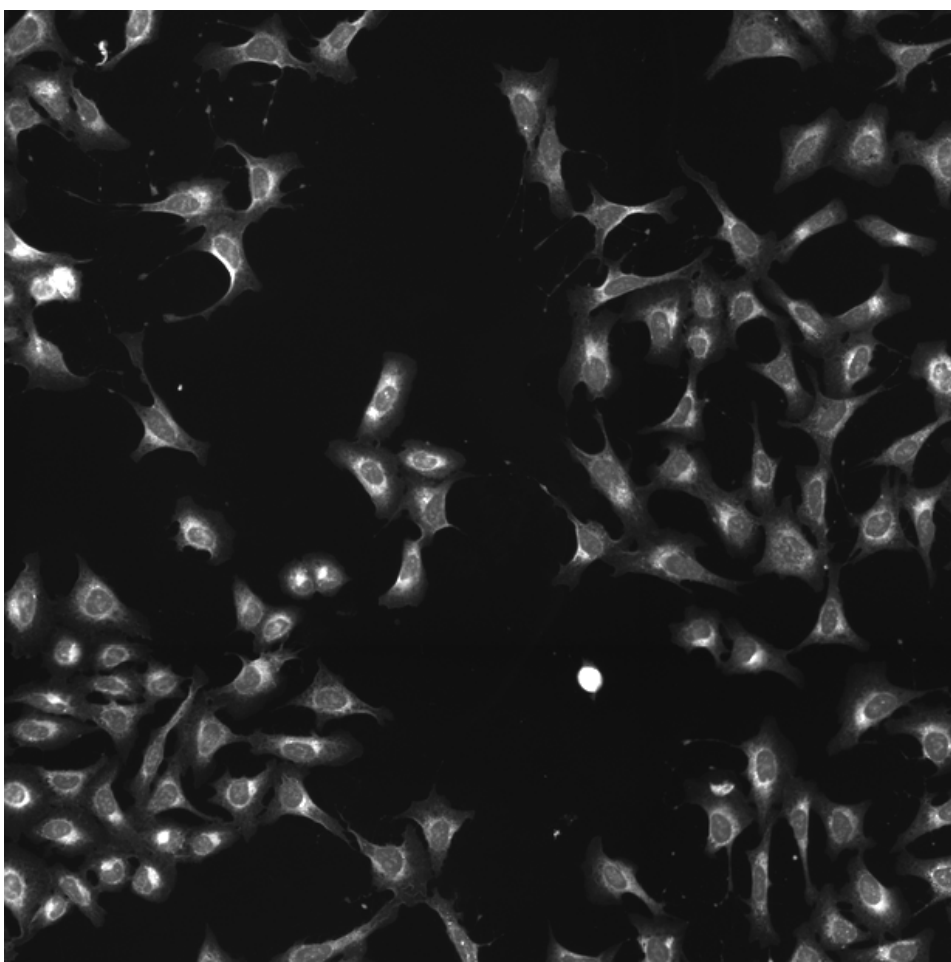
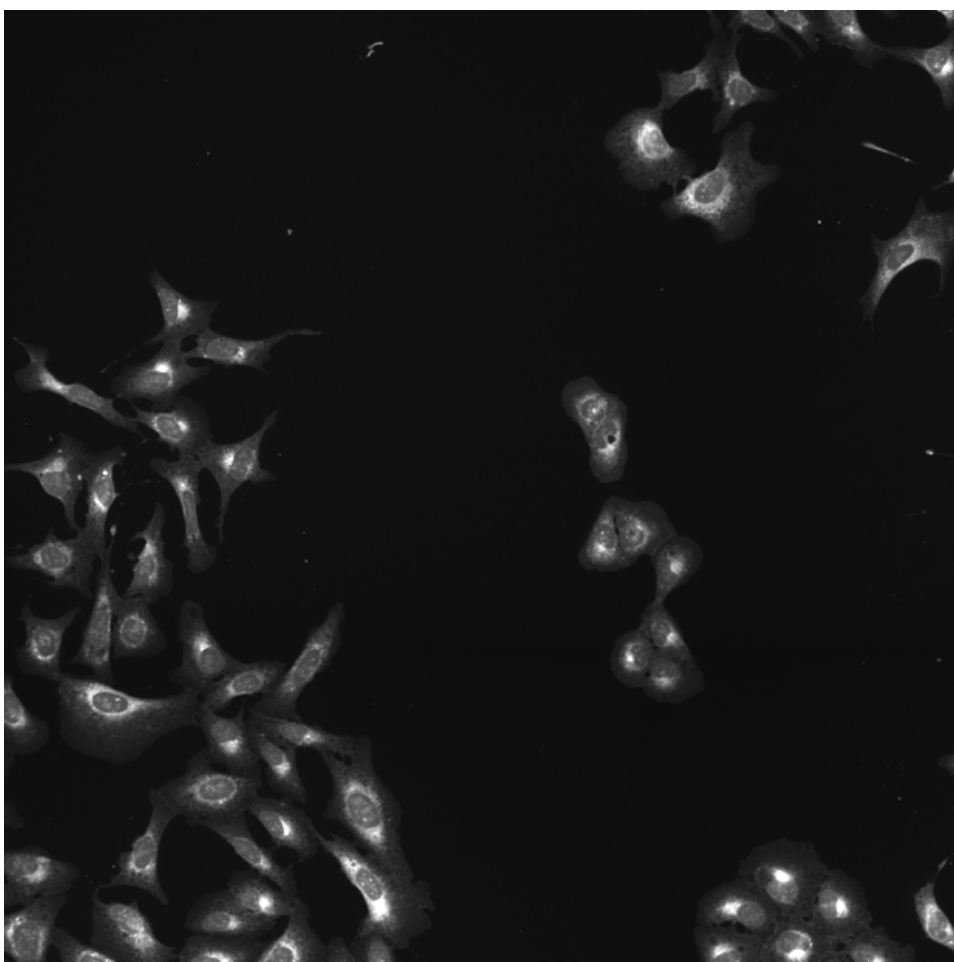
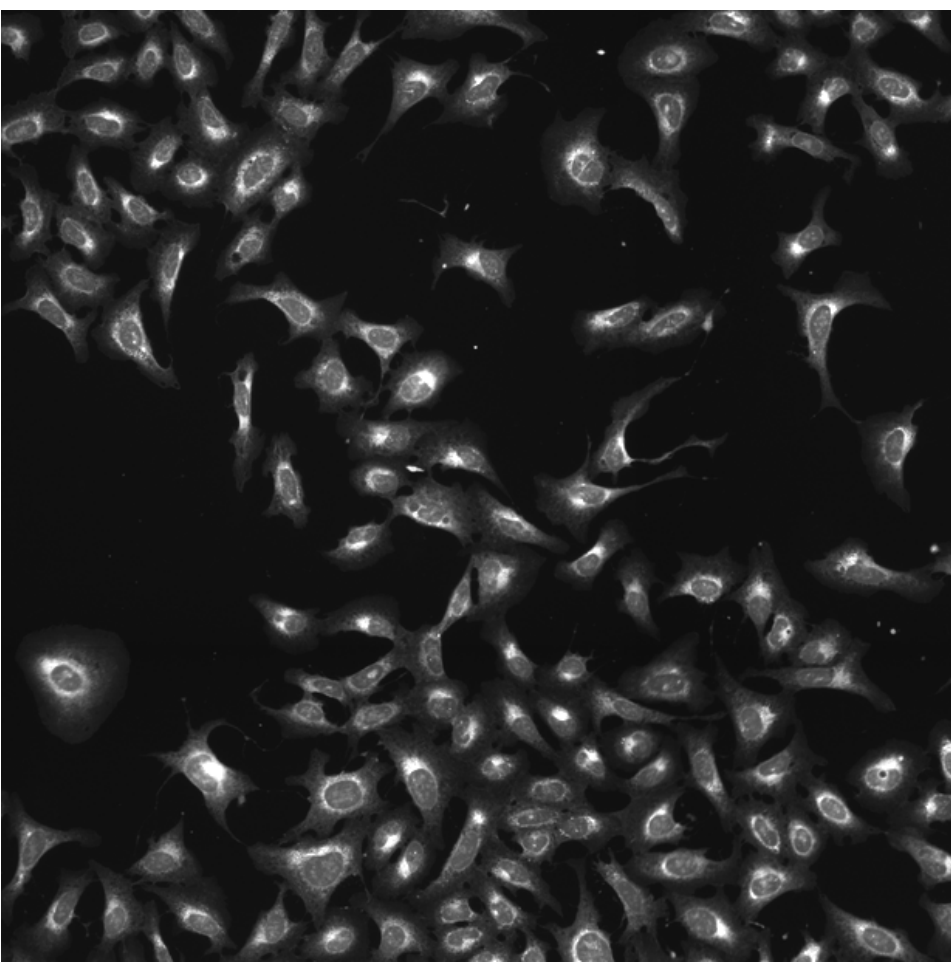
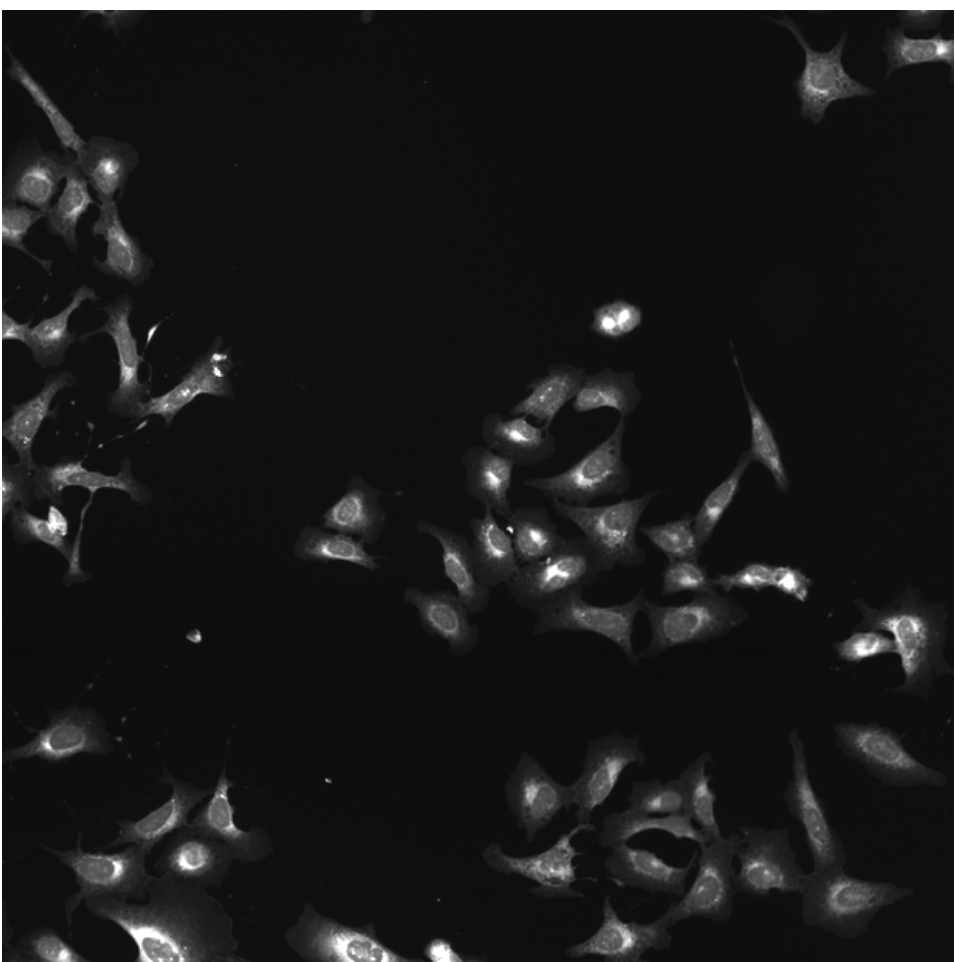
PRKCA.K368R (41755)

PRKCA.K368R (41756)

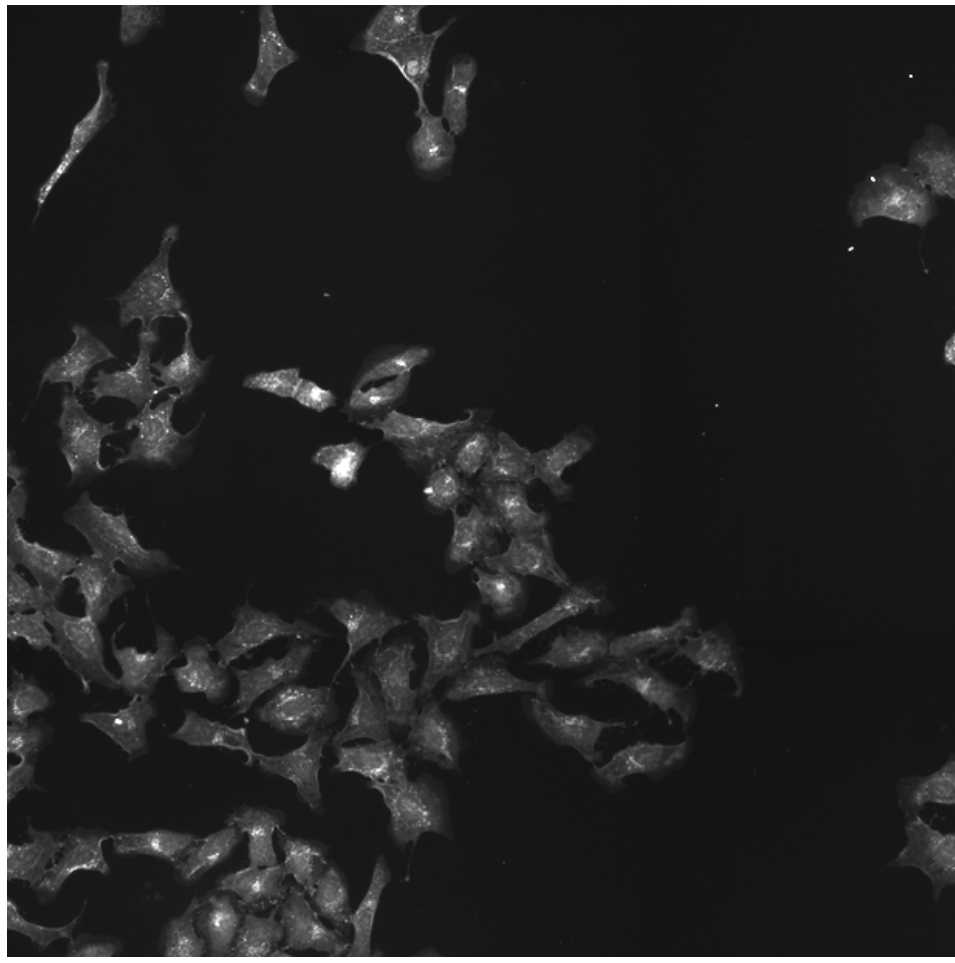
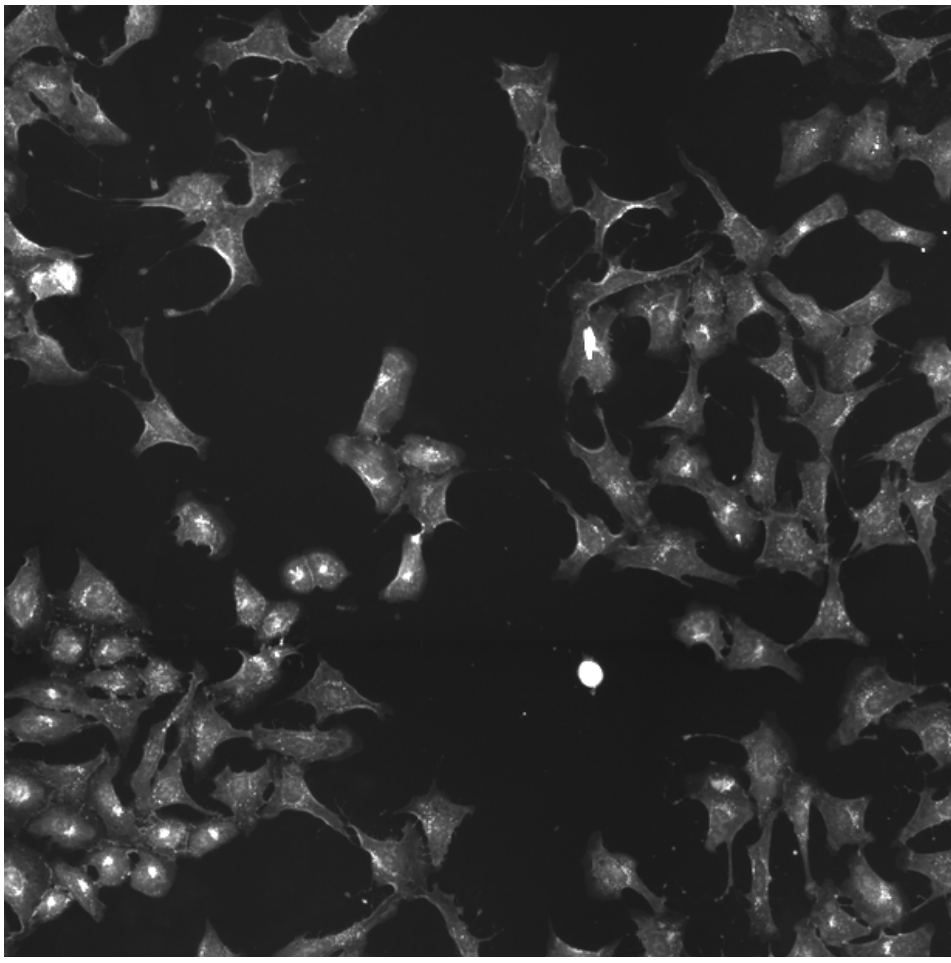
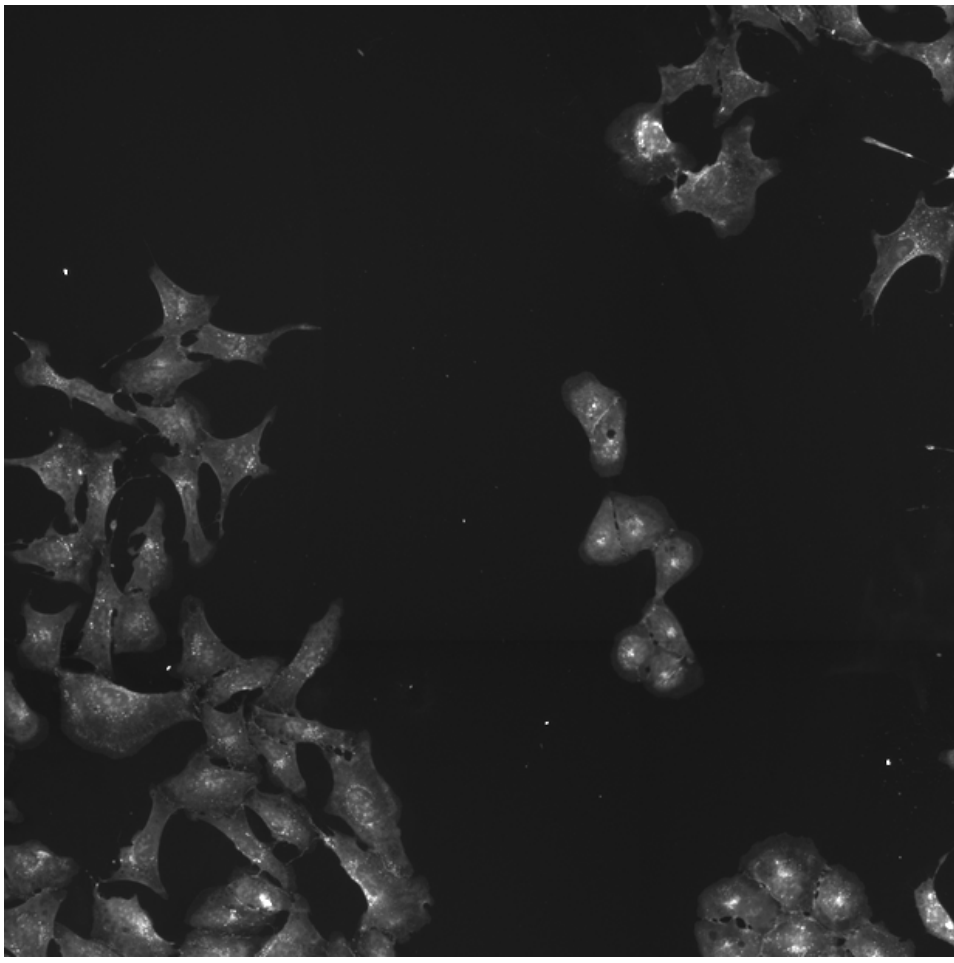
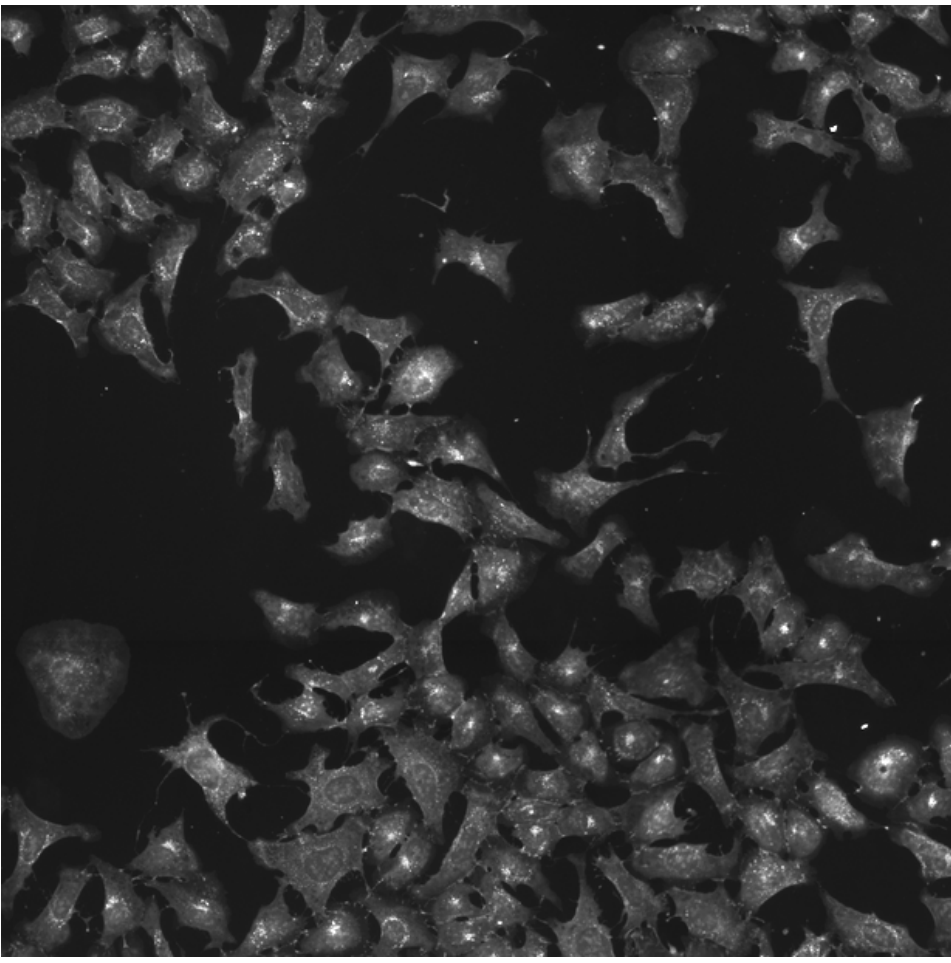
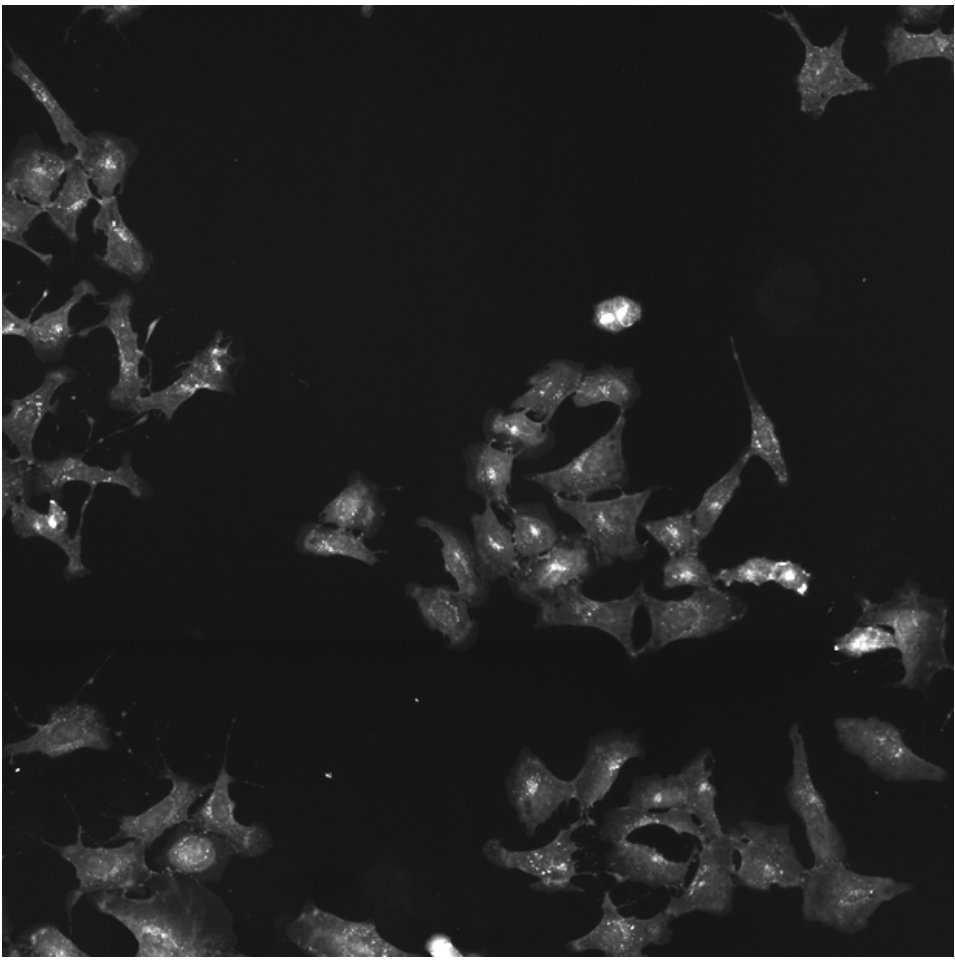
PRKCA.K368R (41757)

PRKCA.K368R (41754)

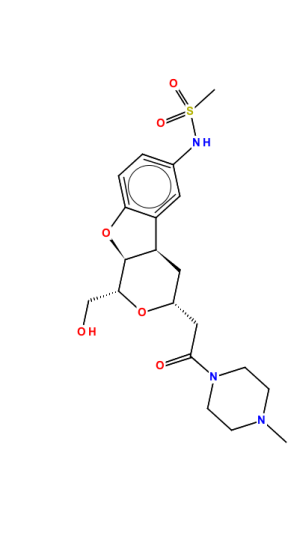
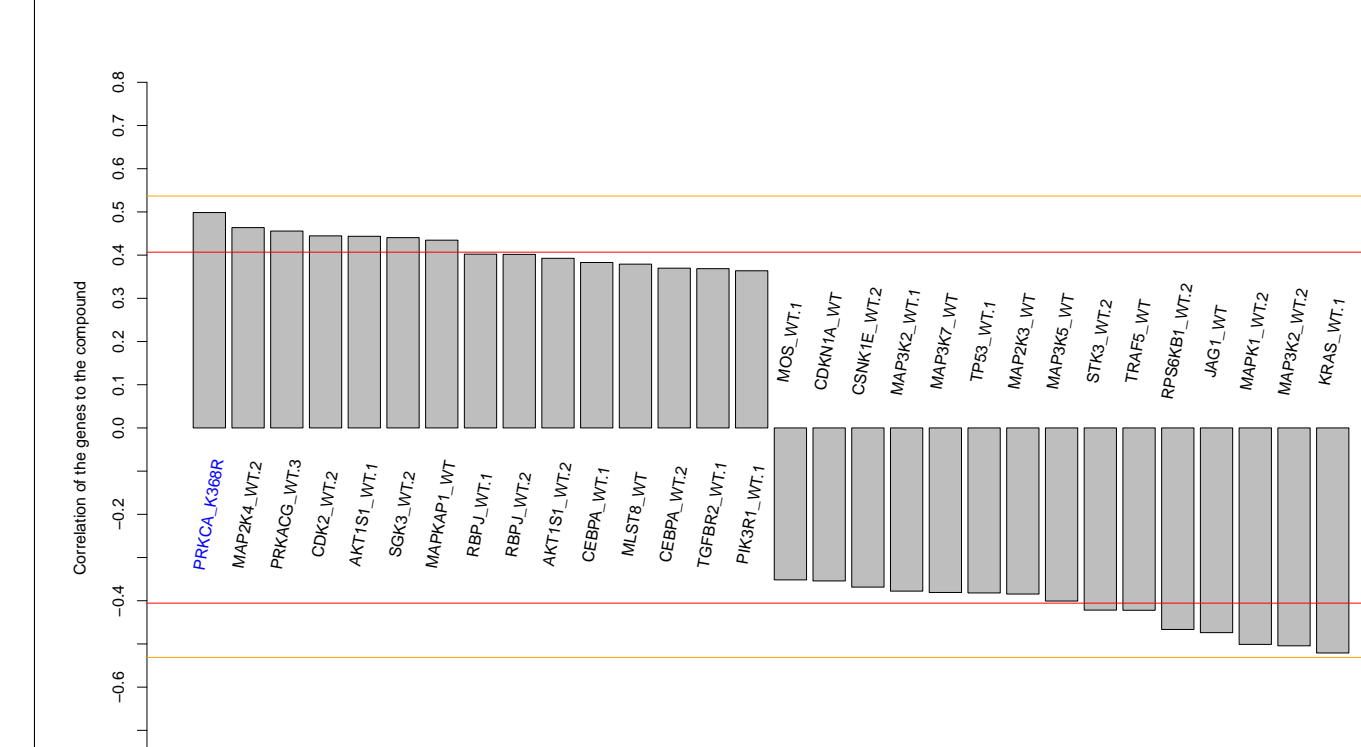
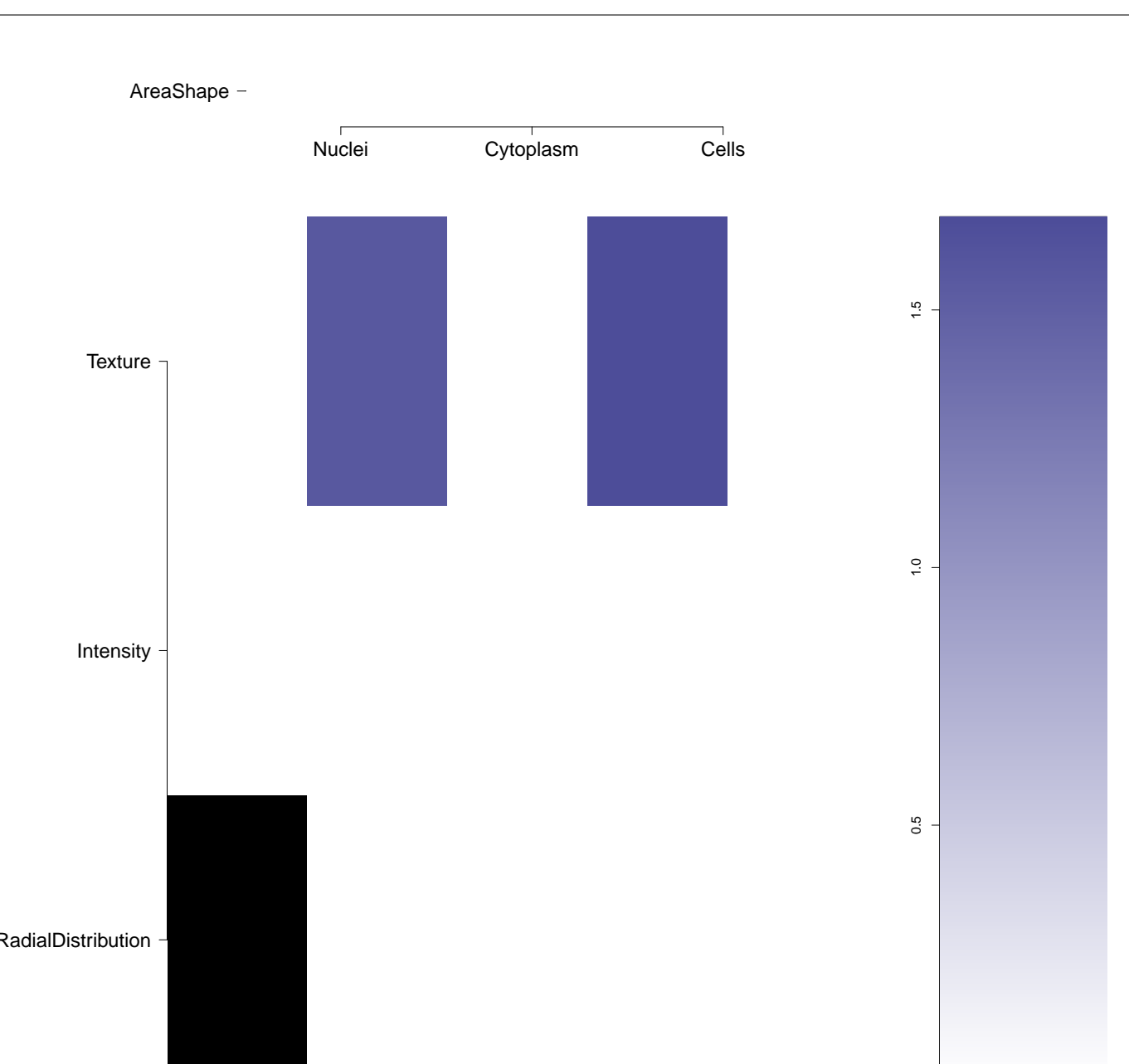
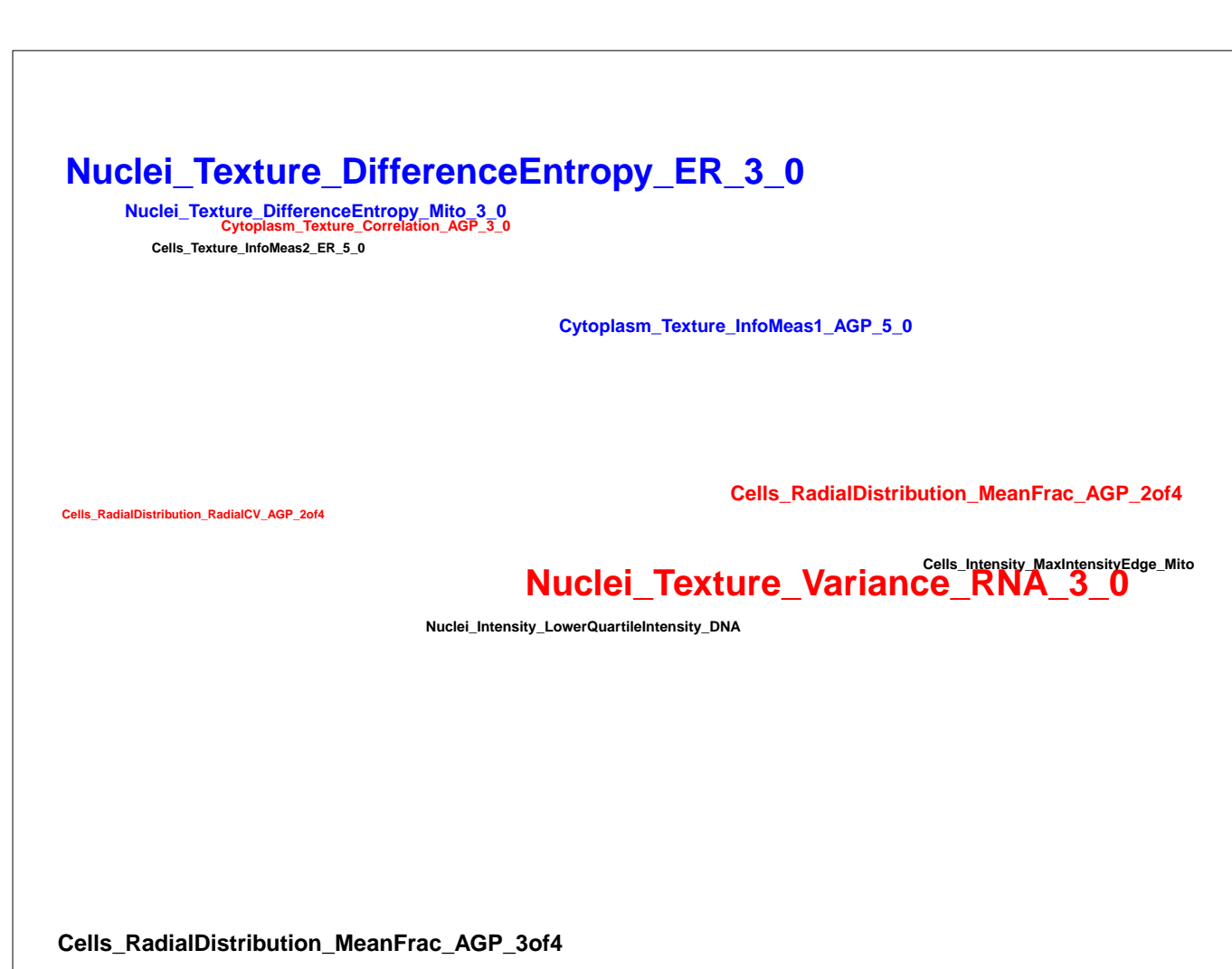
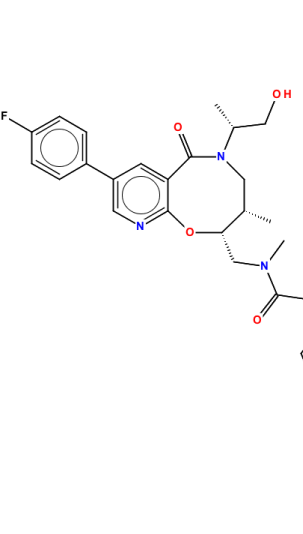
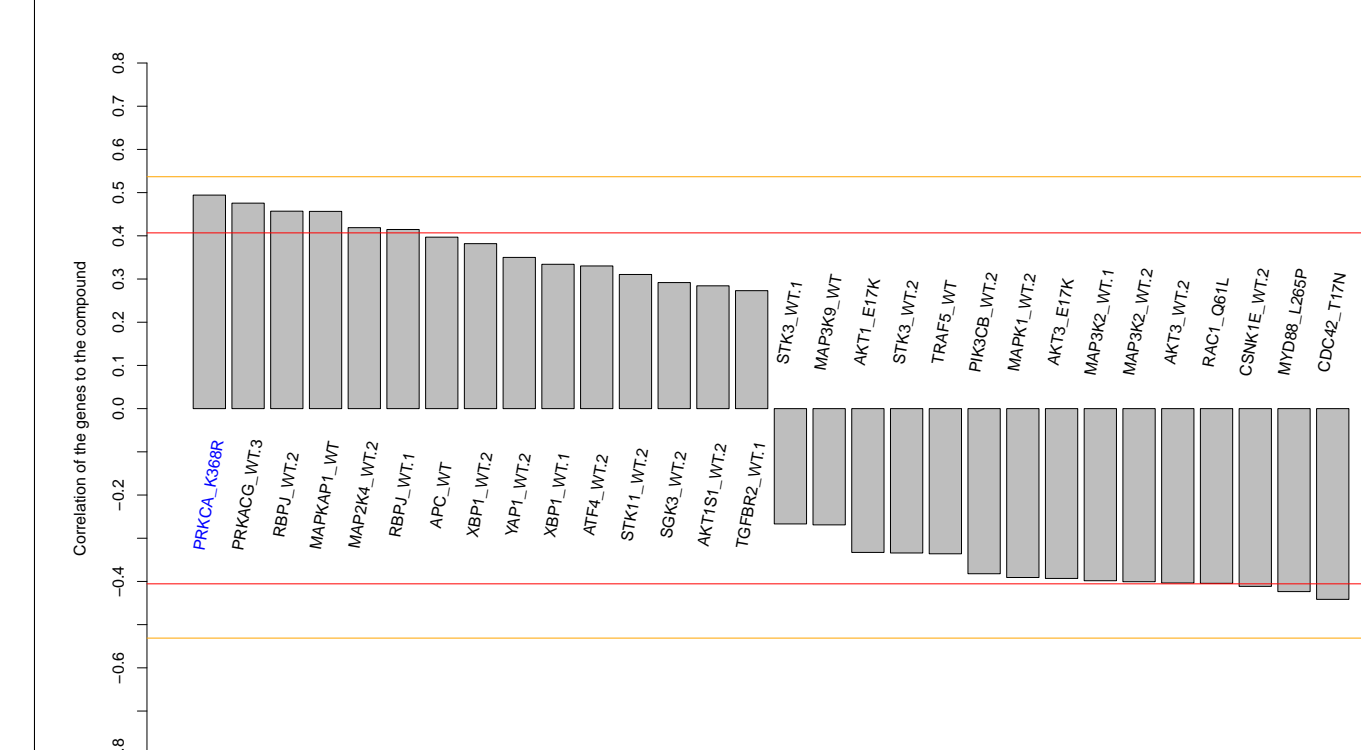
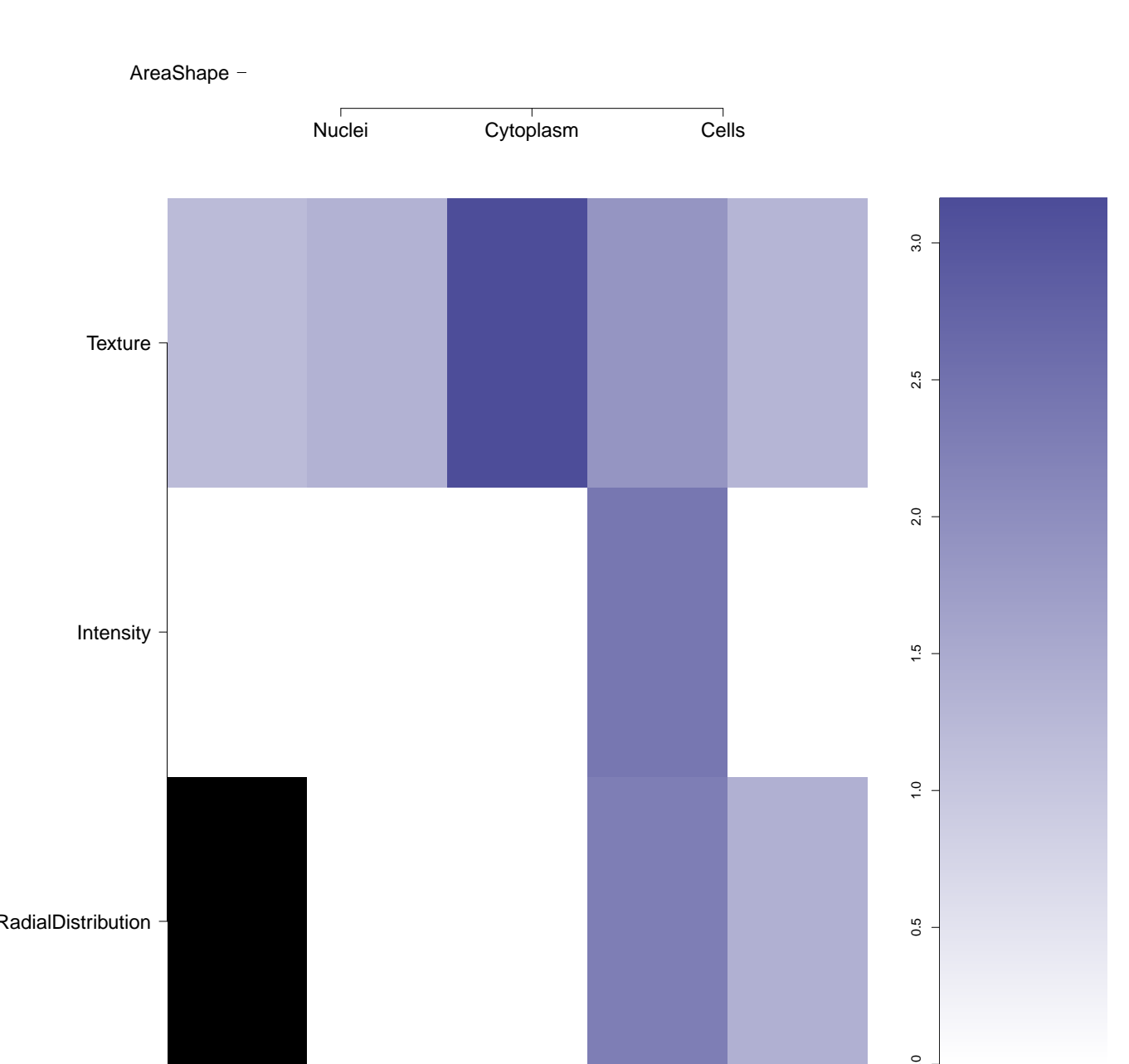
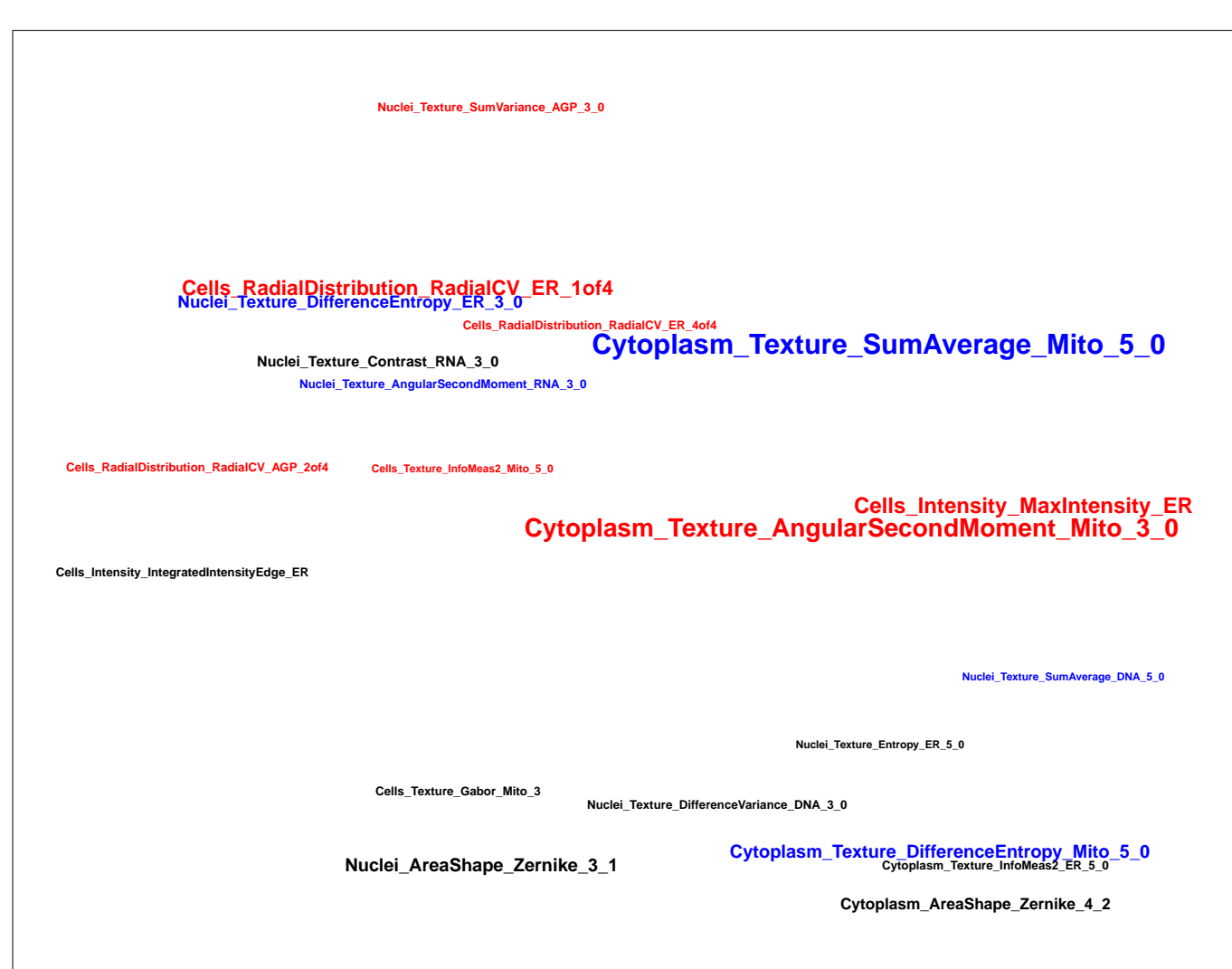
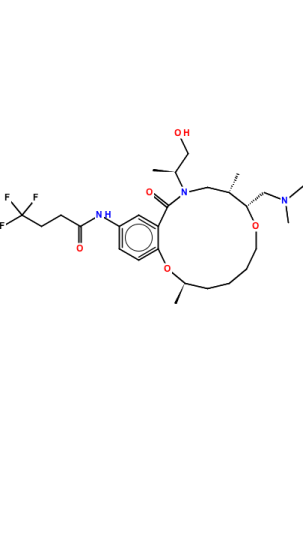
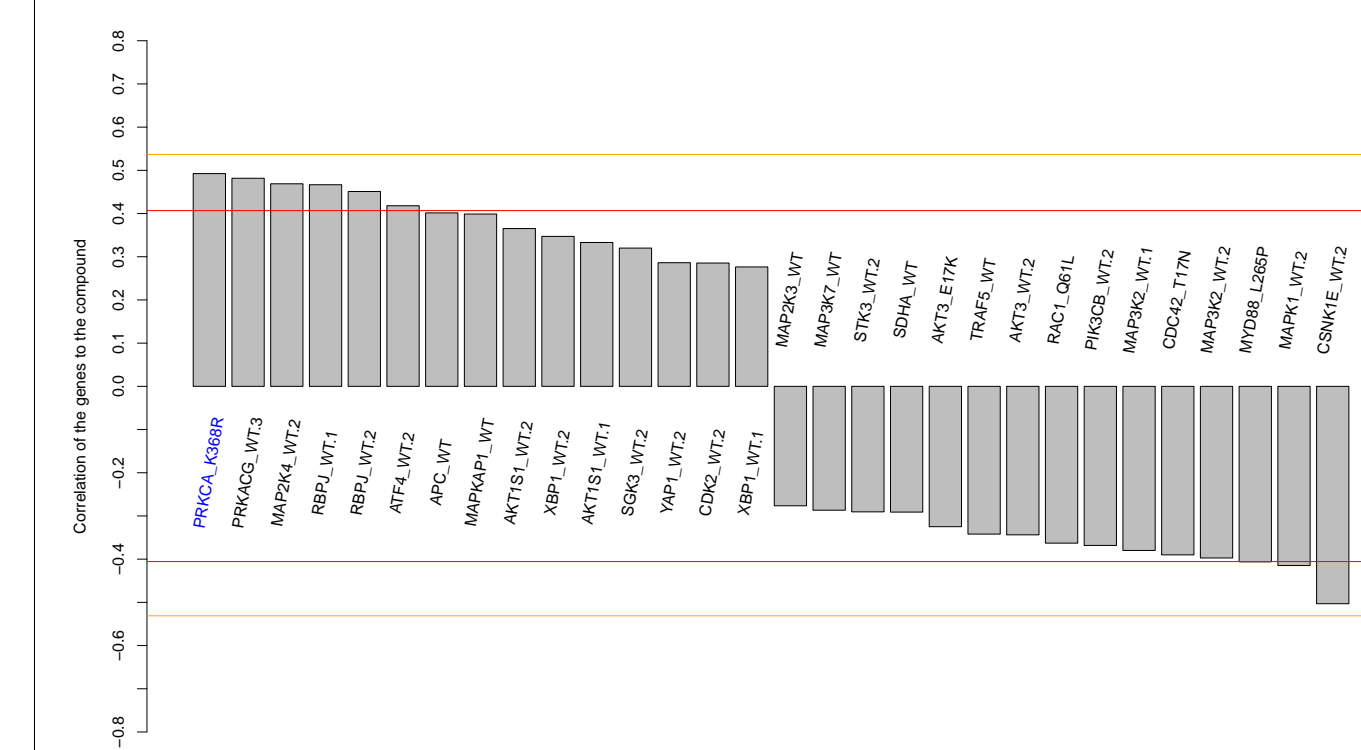
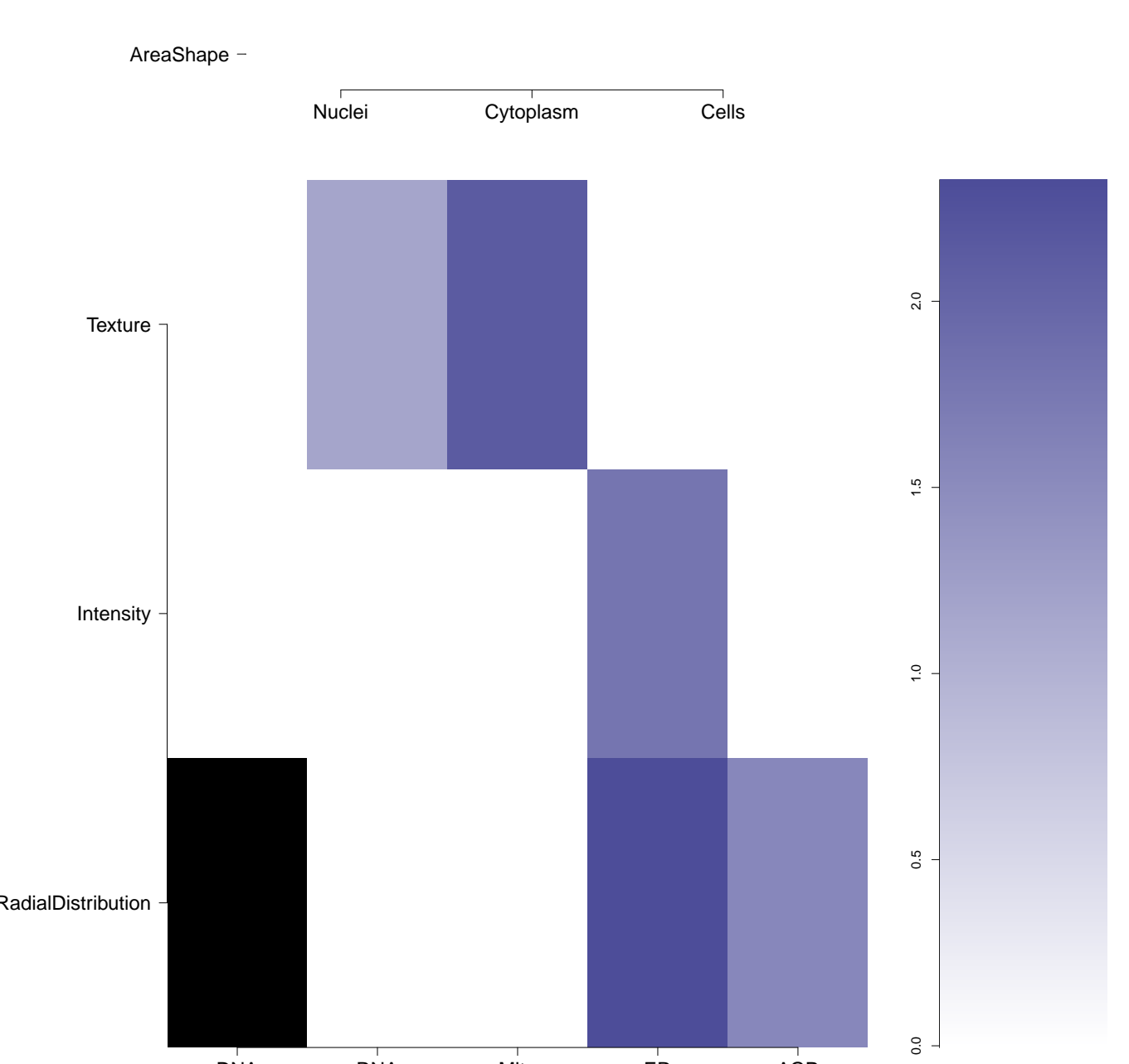

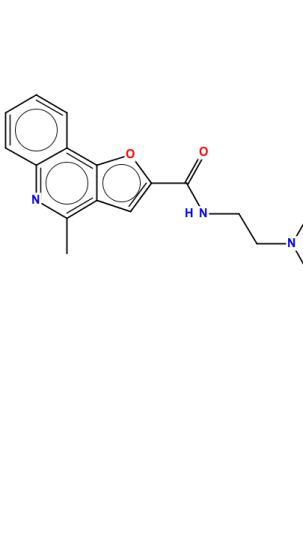
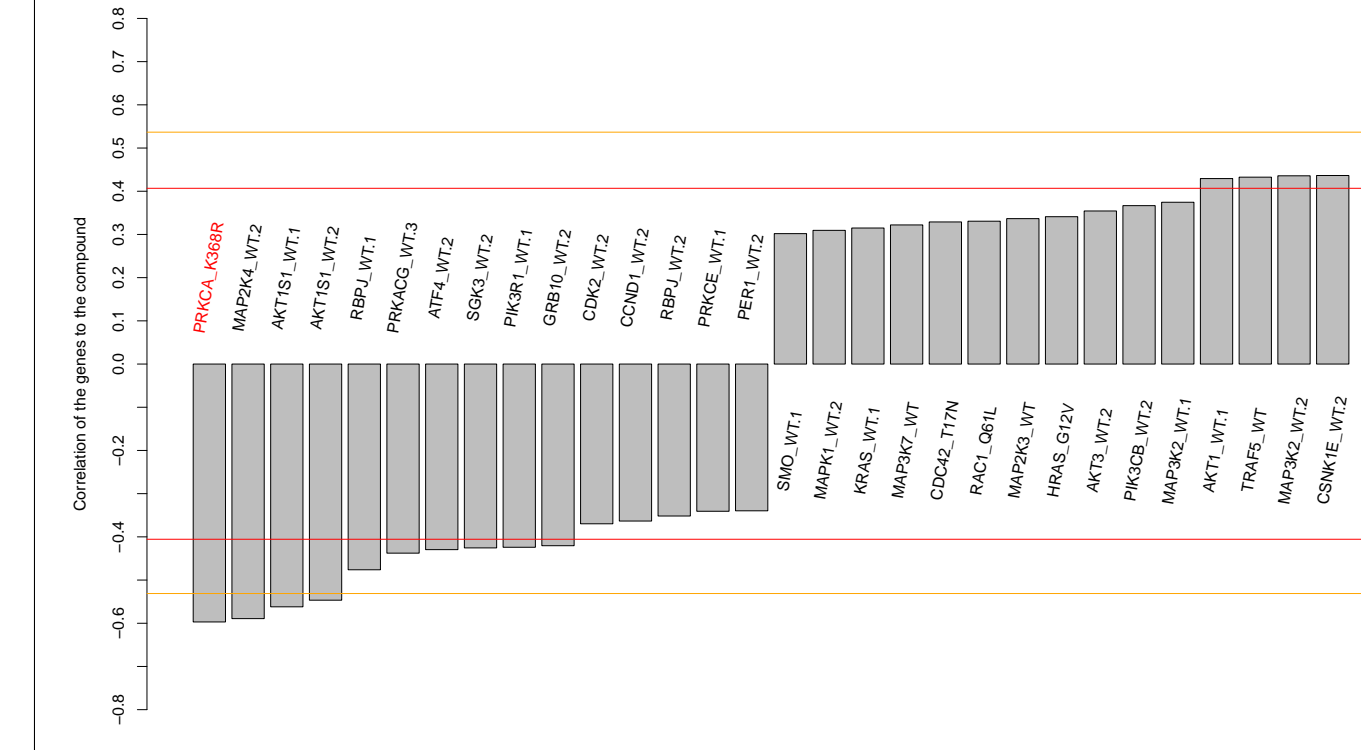
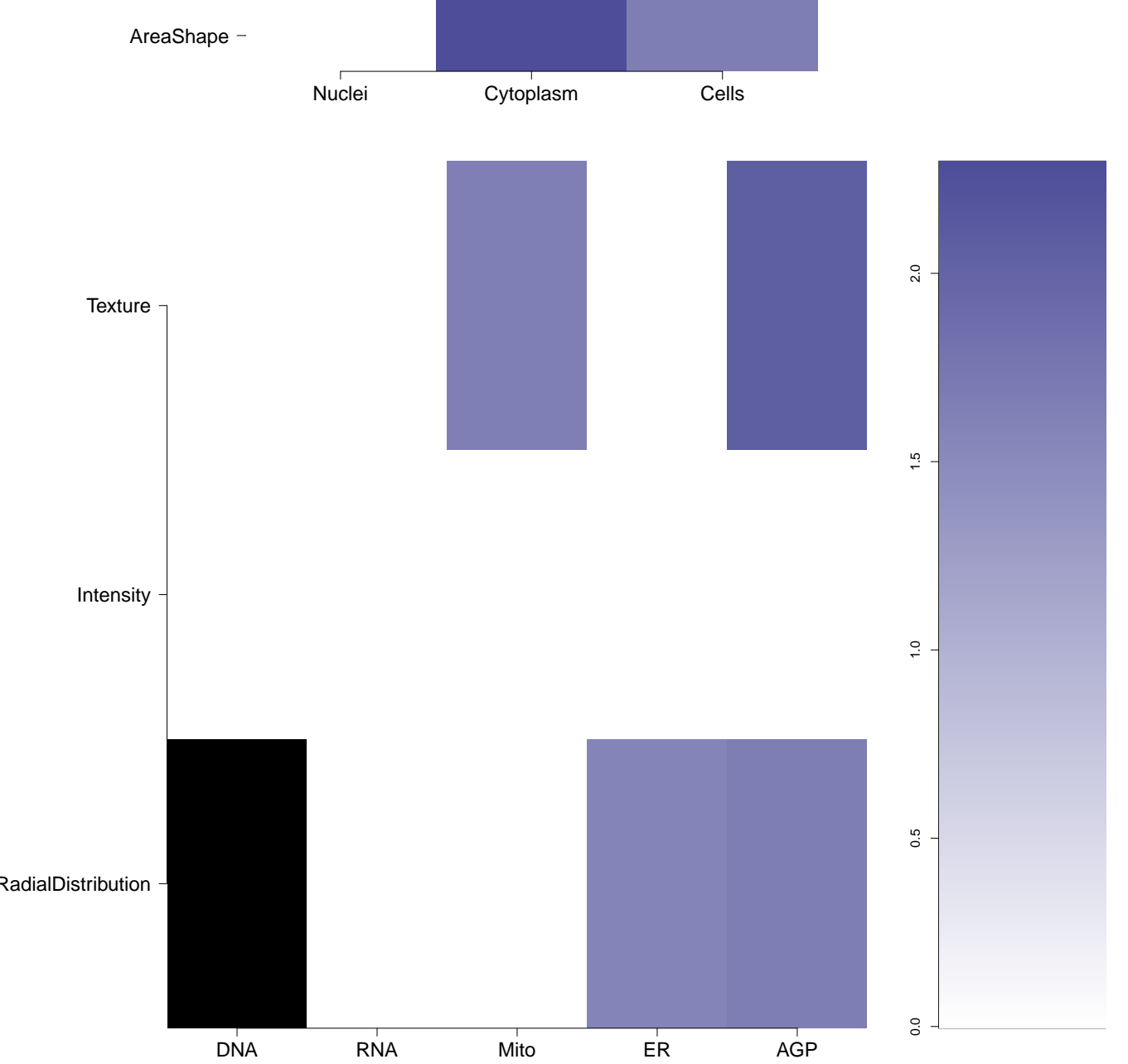

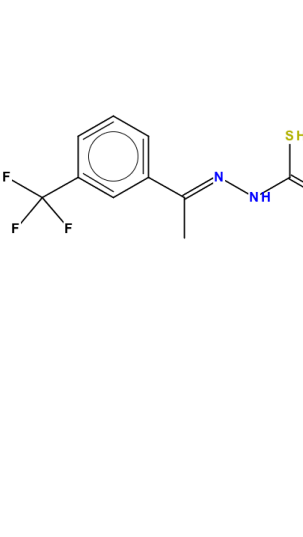
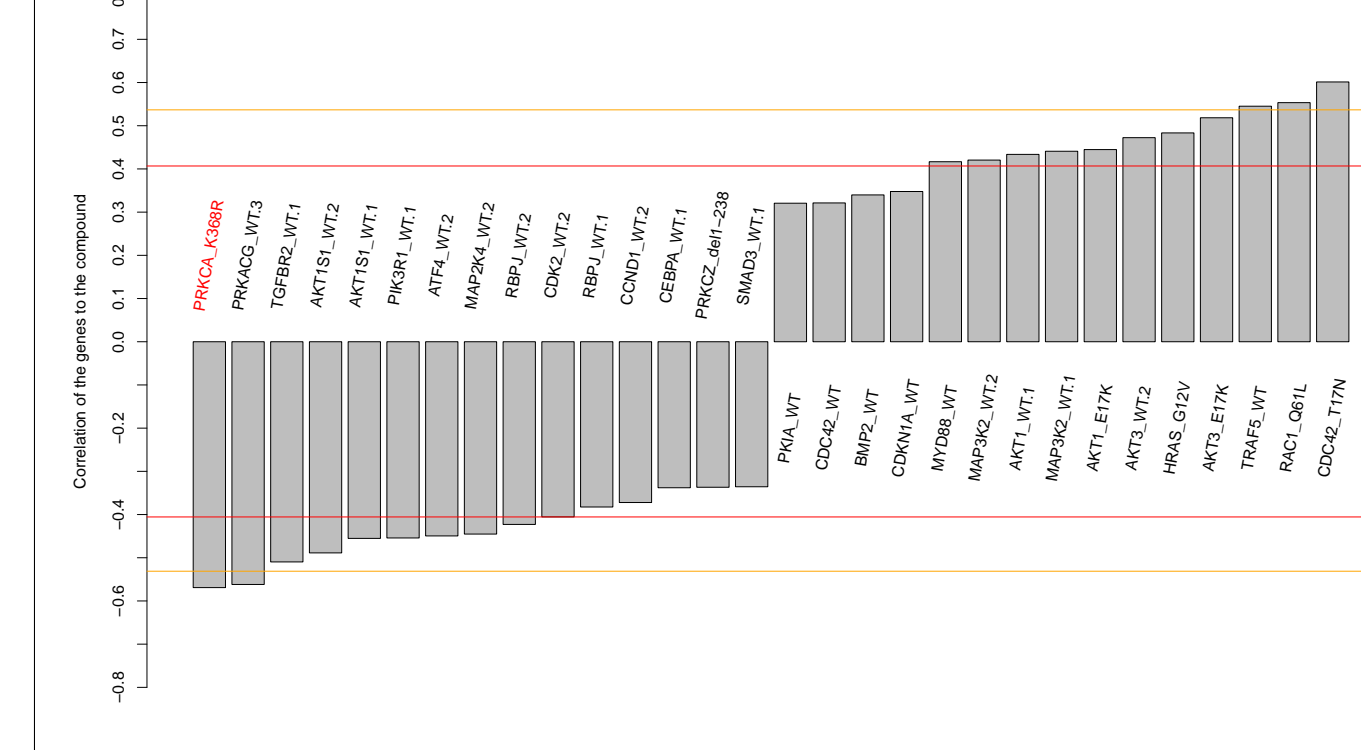
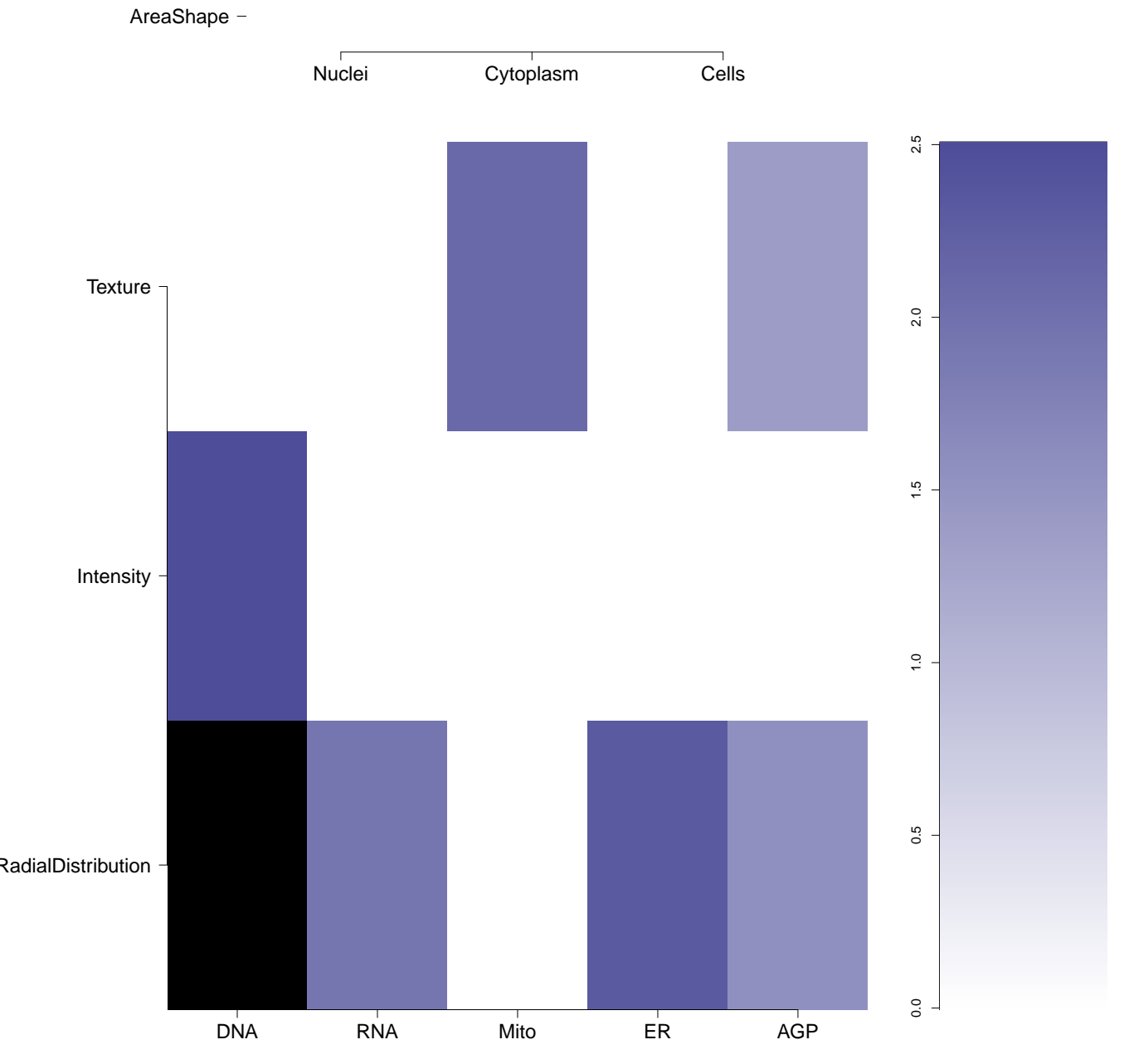

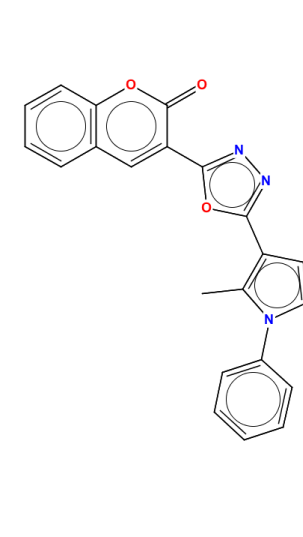
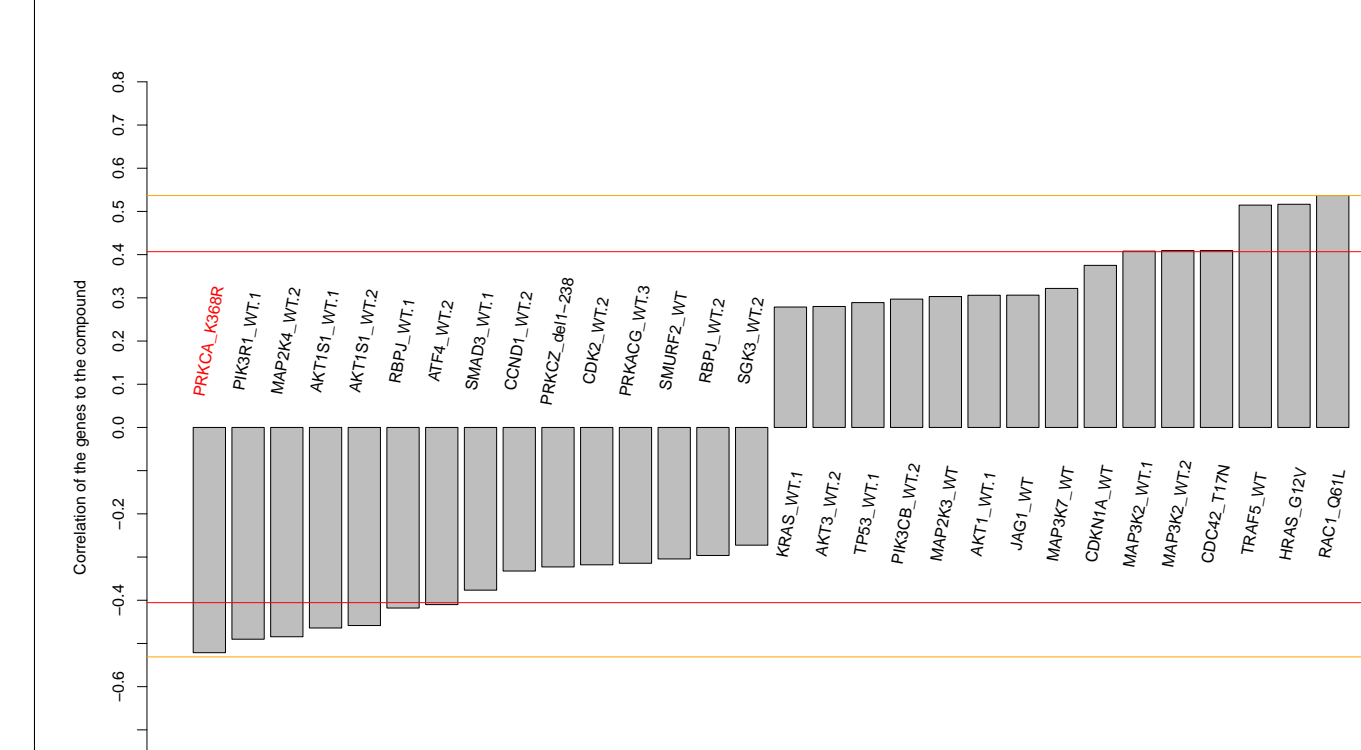
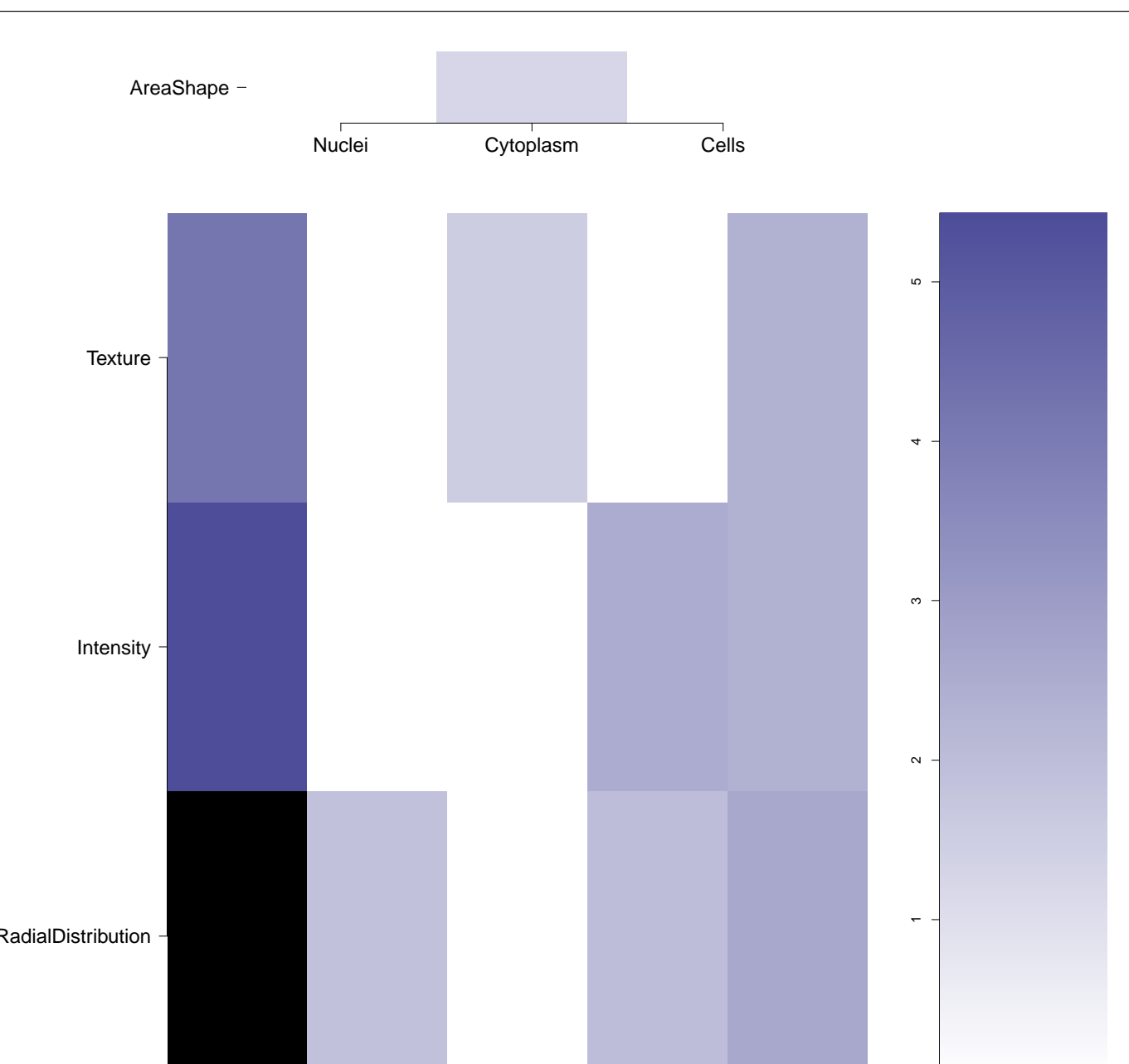
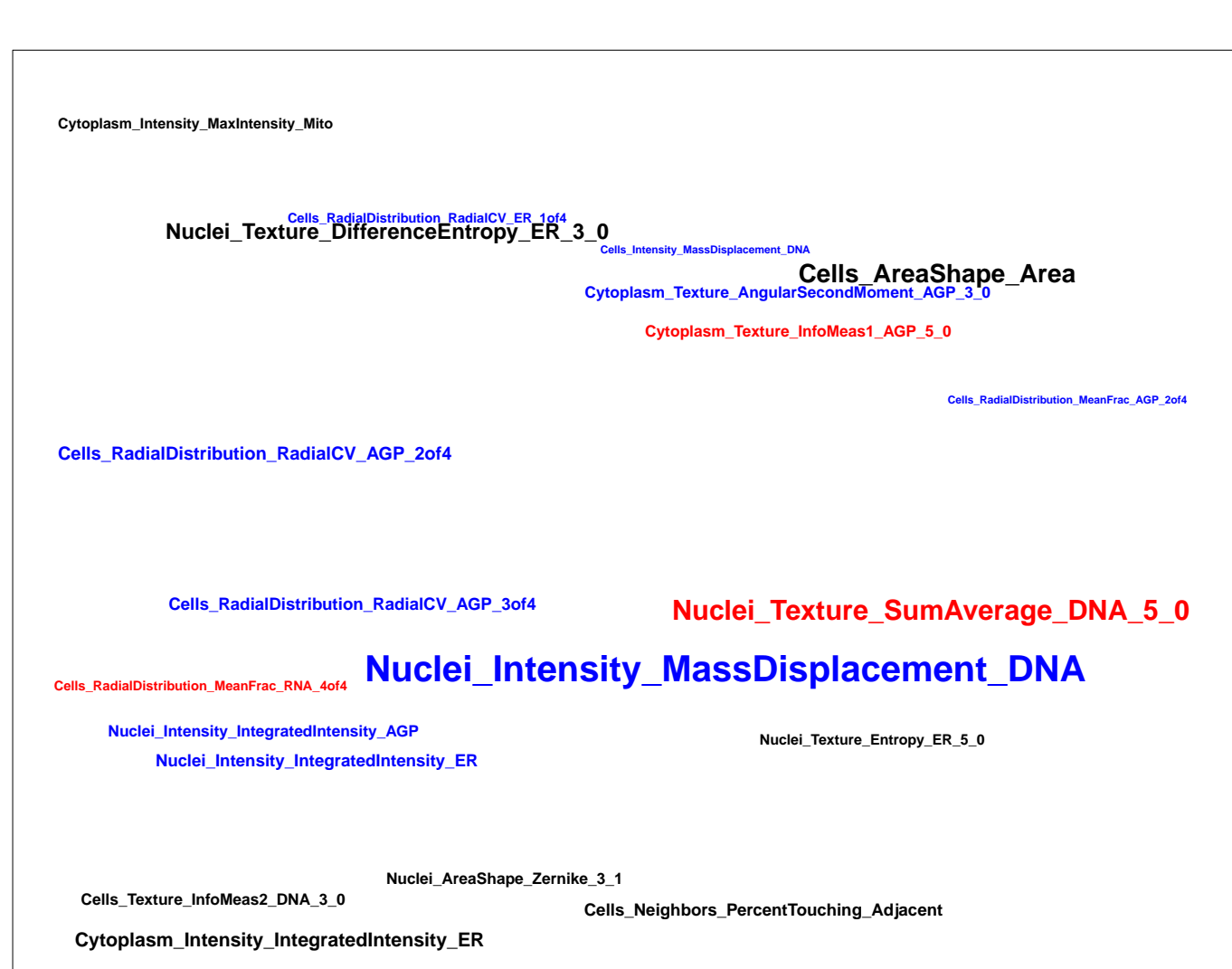
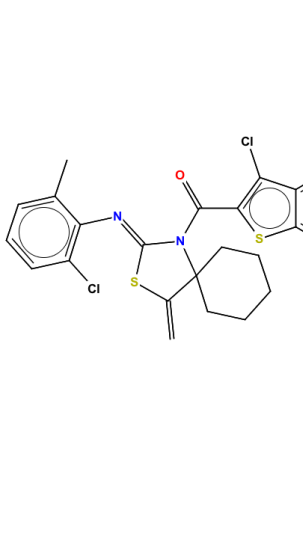
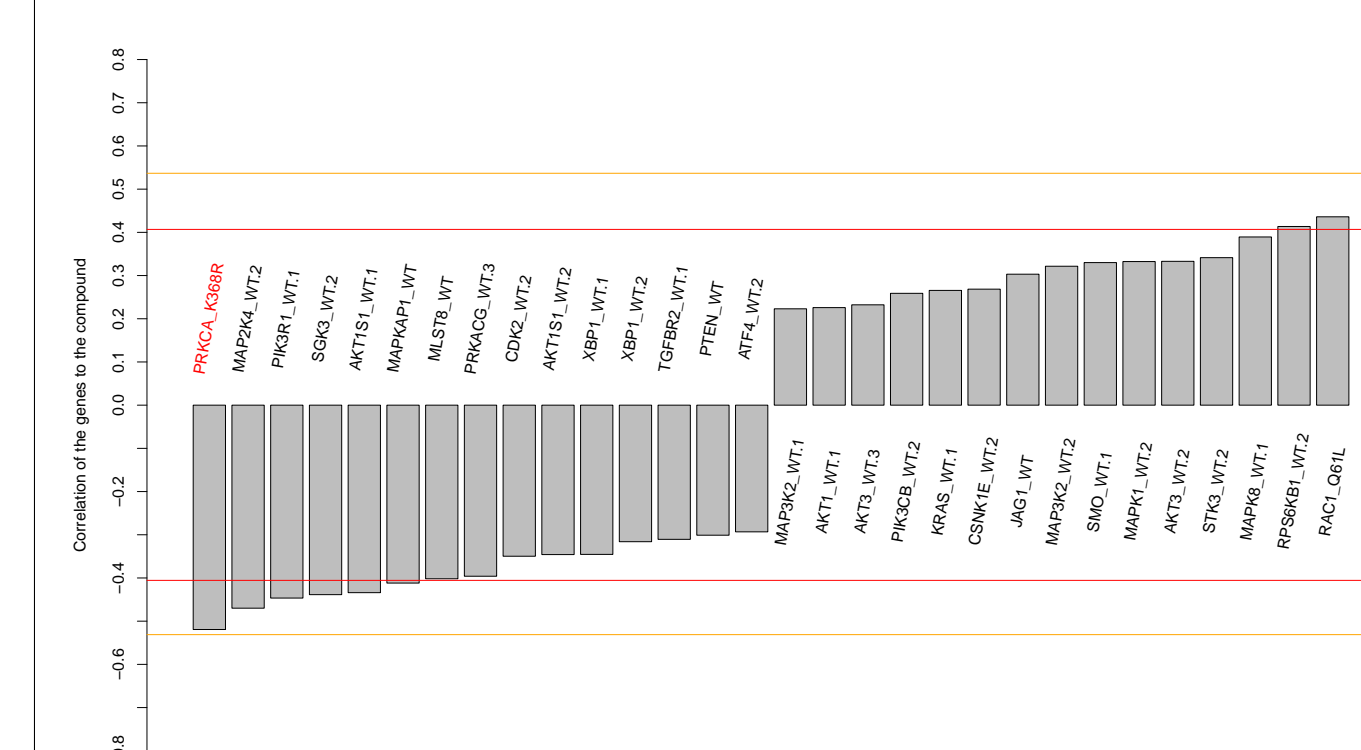
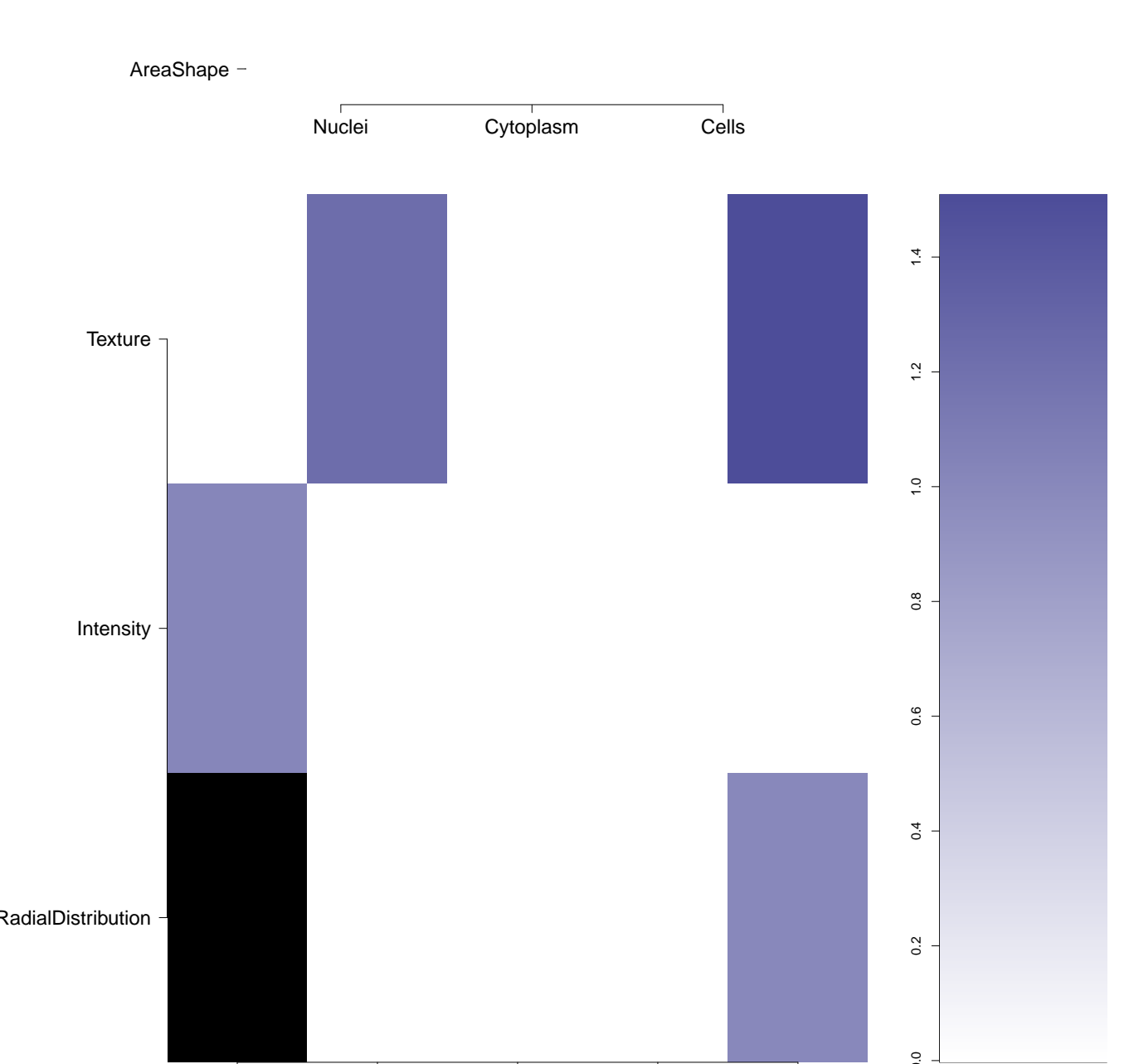
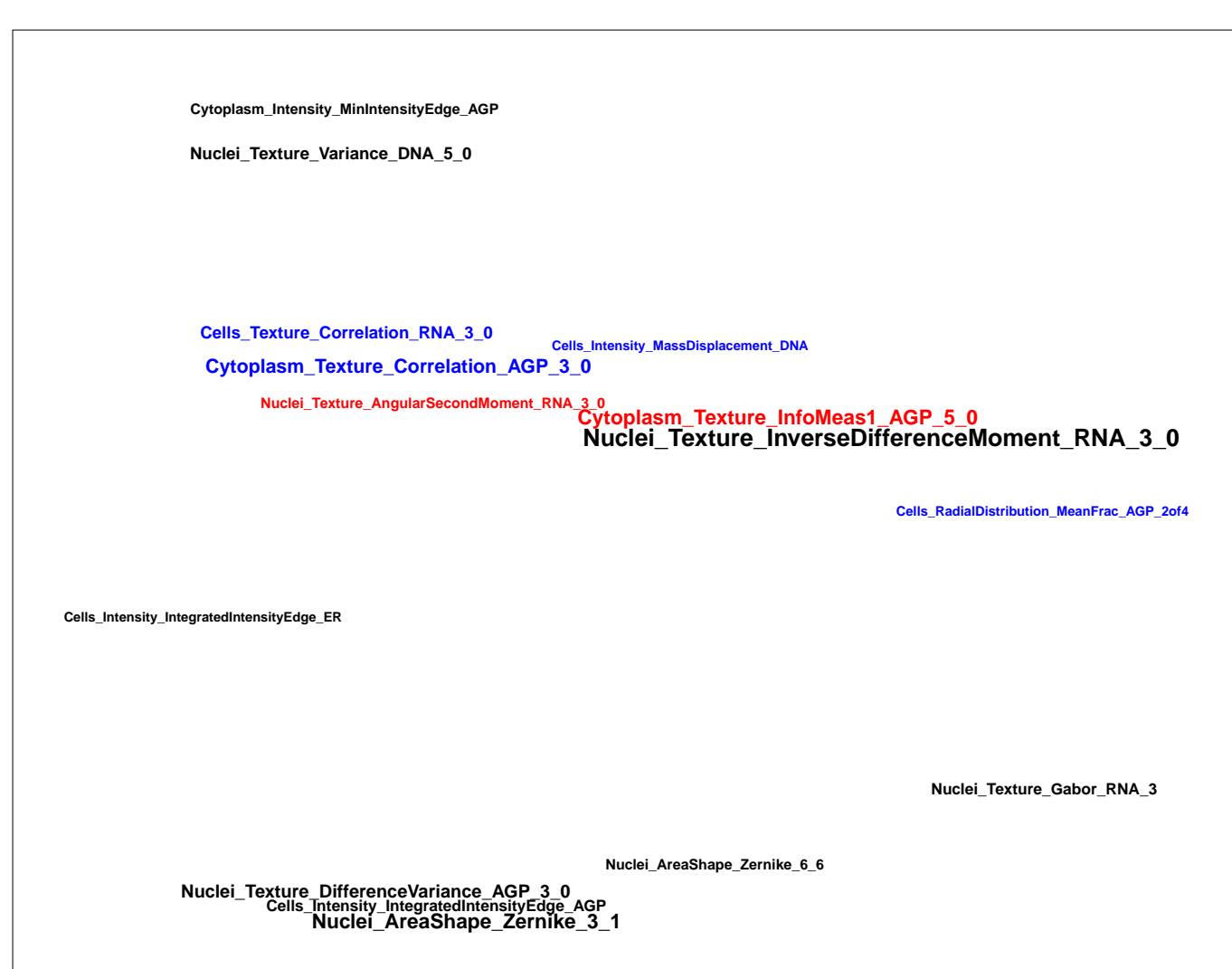
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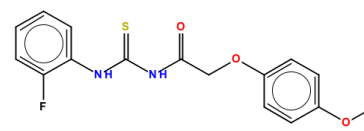
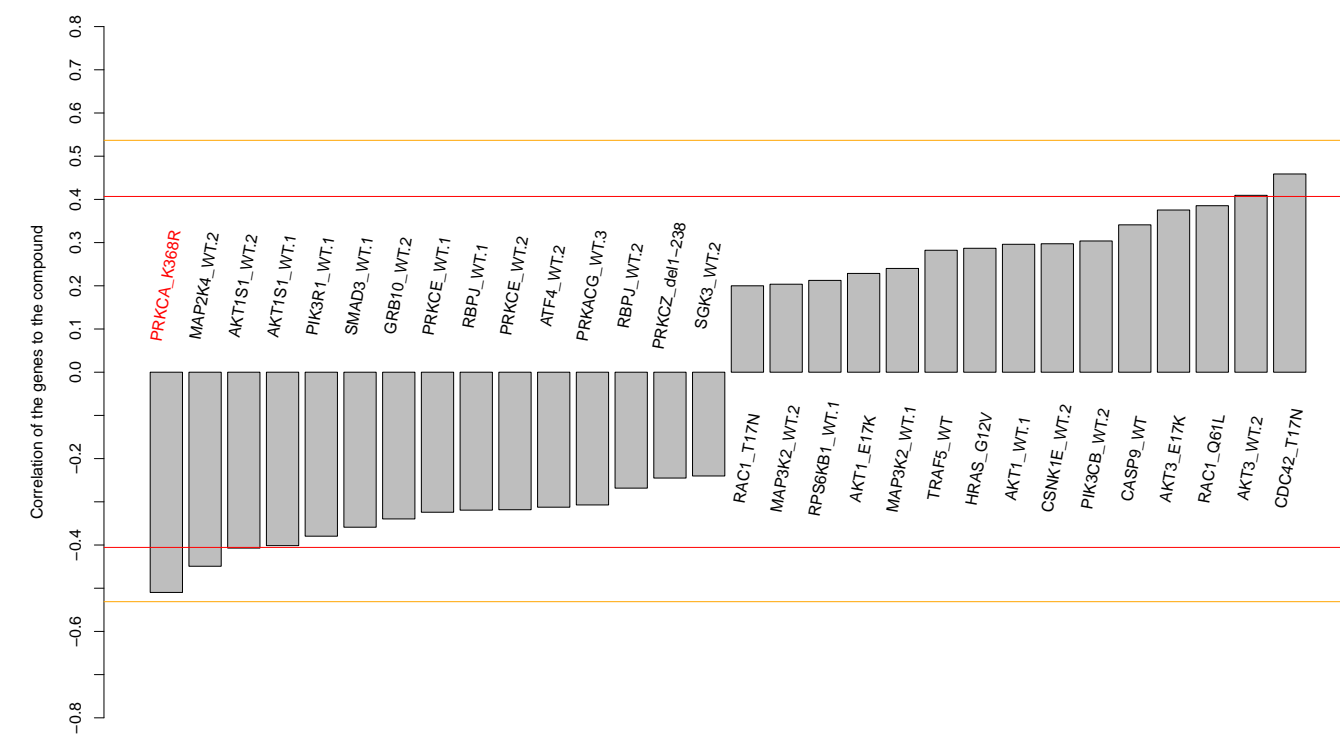
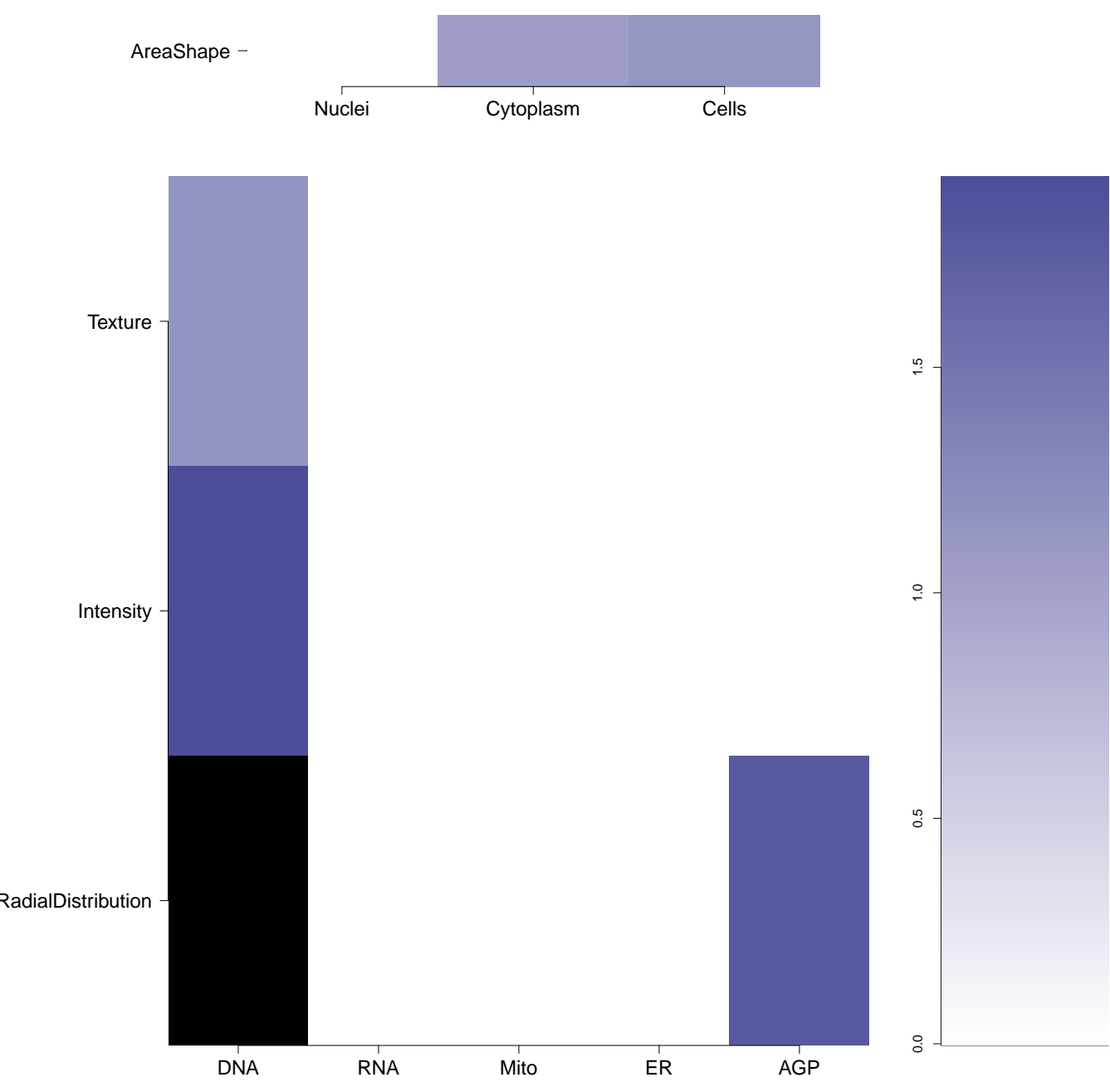
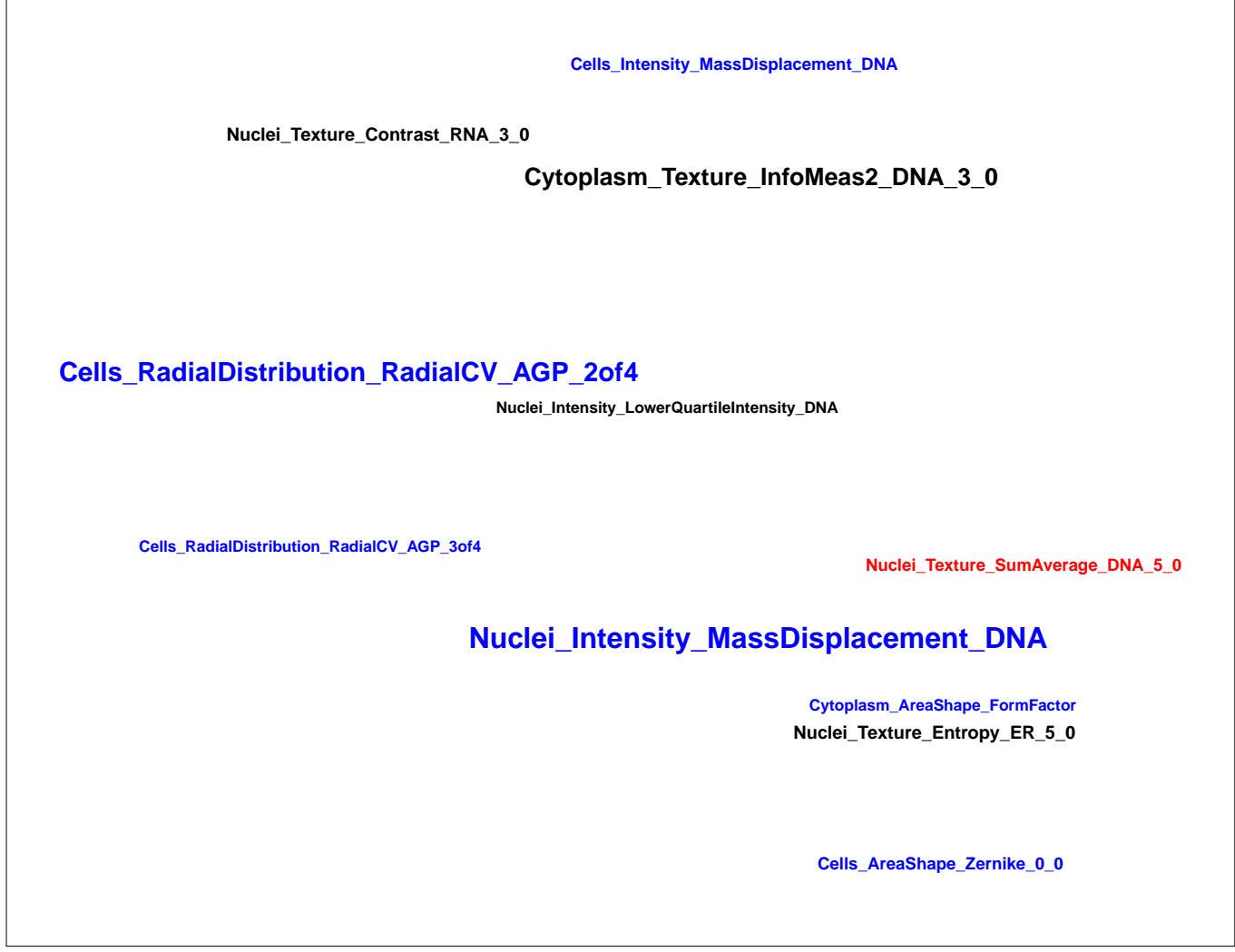
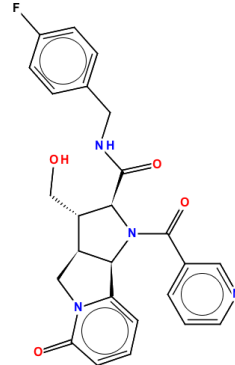
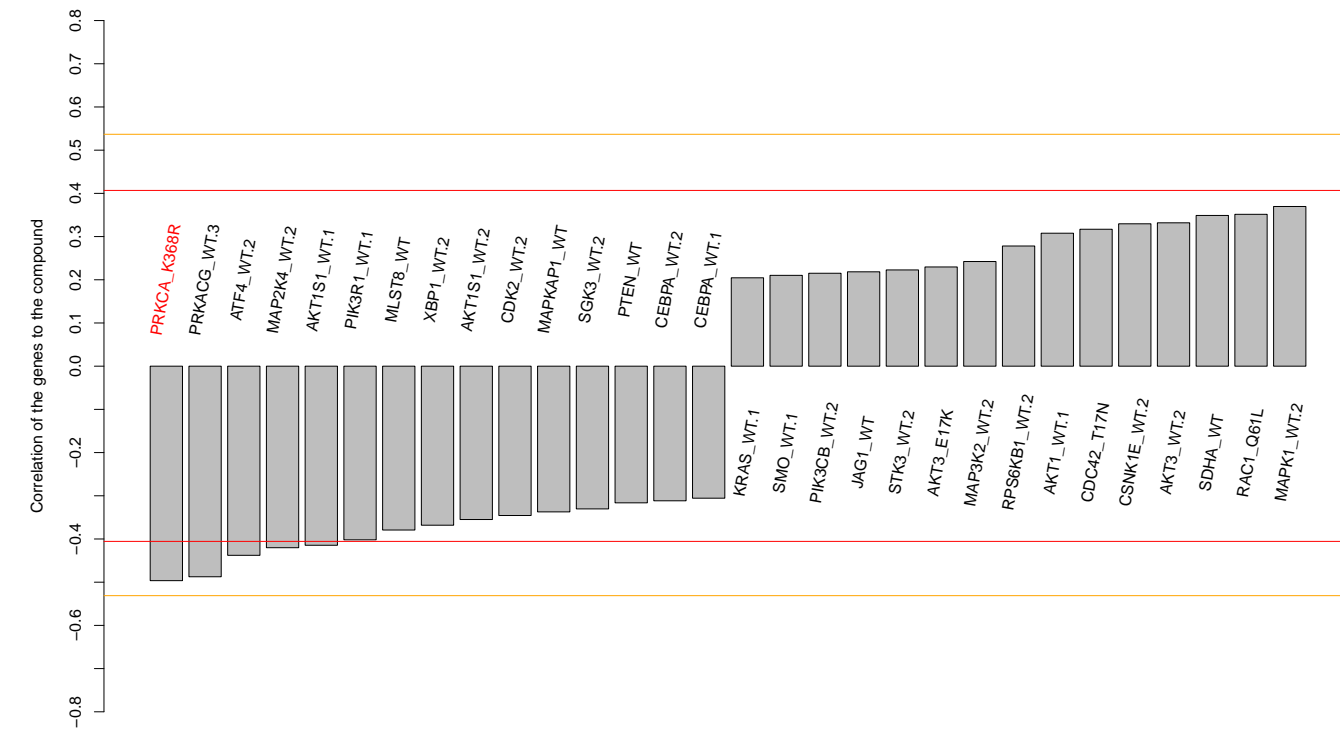
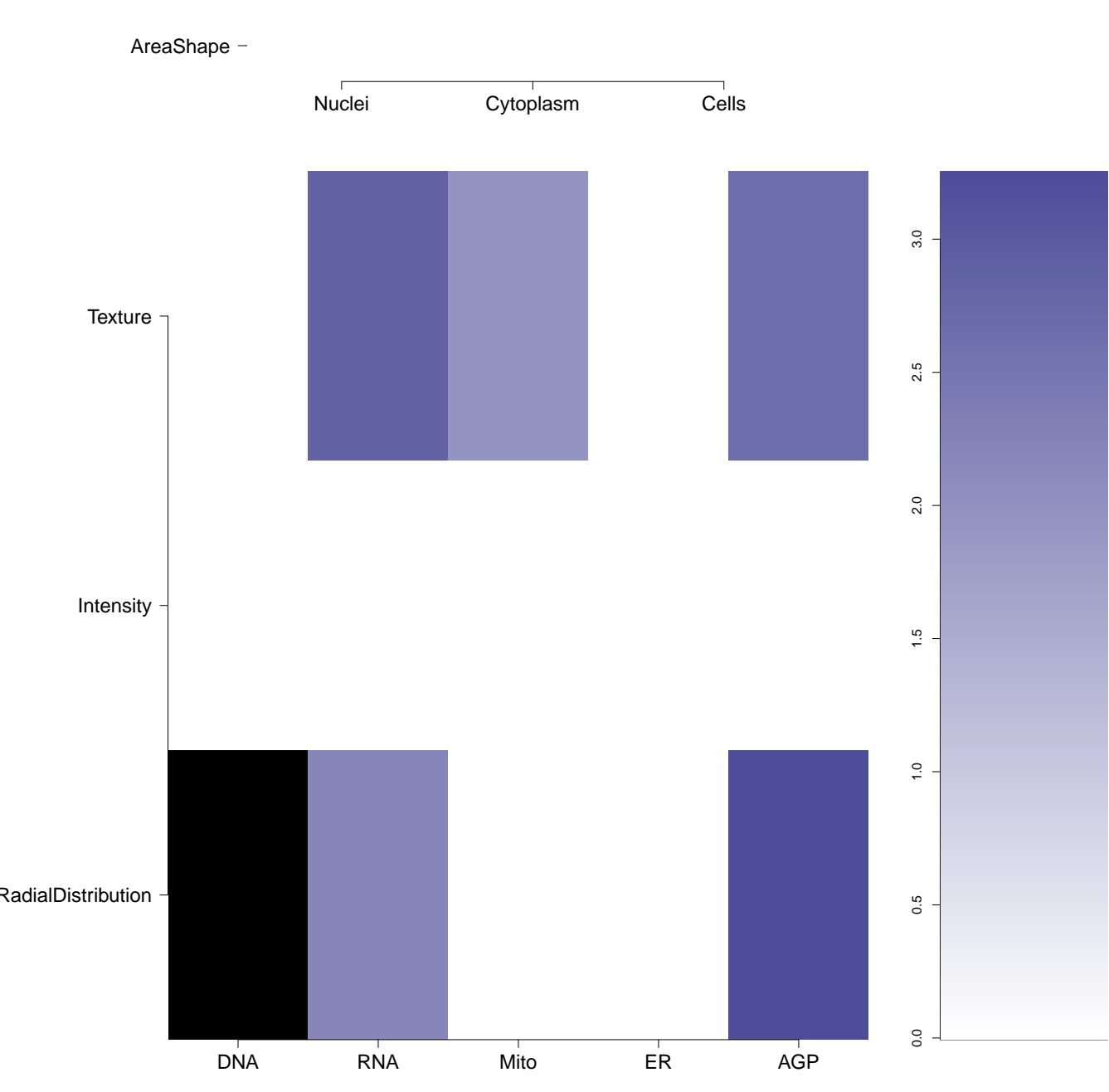

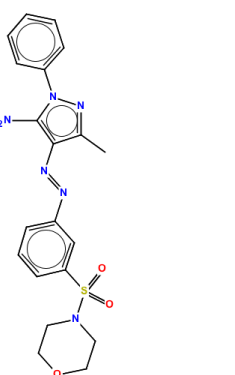
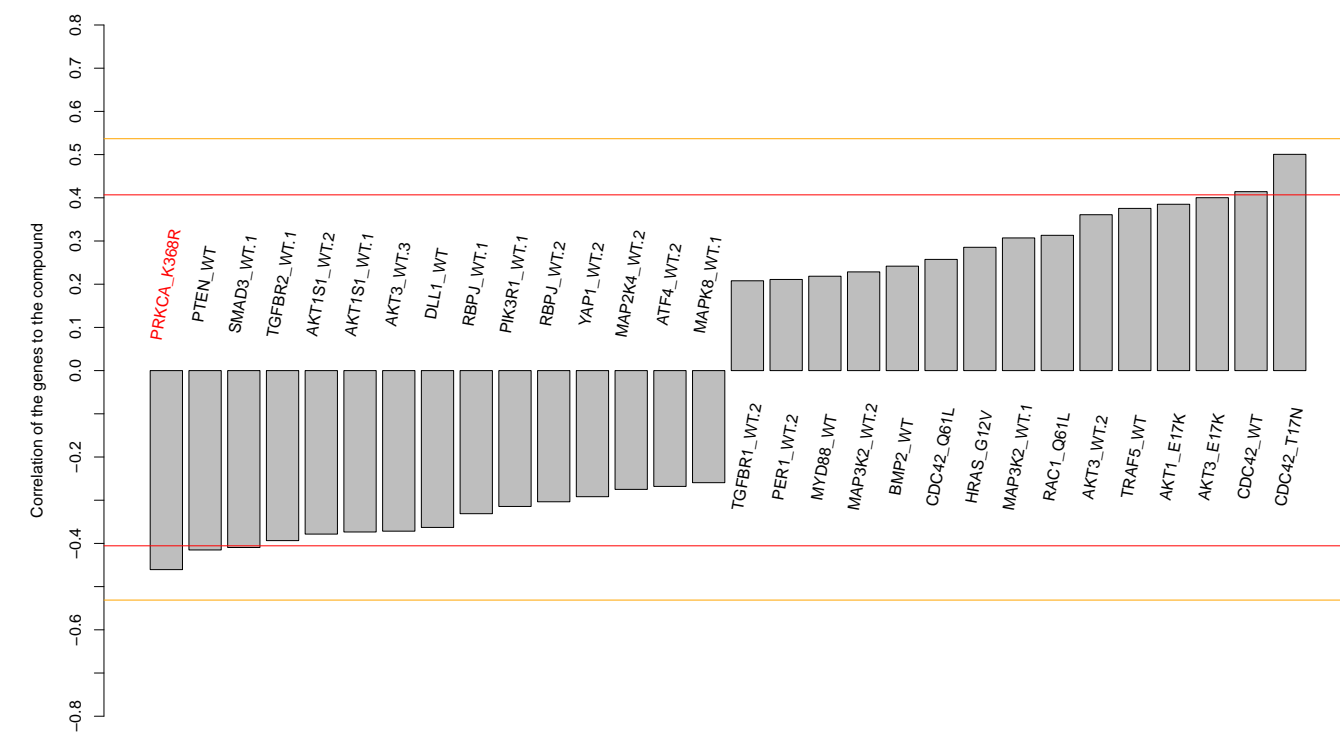
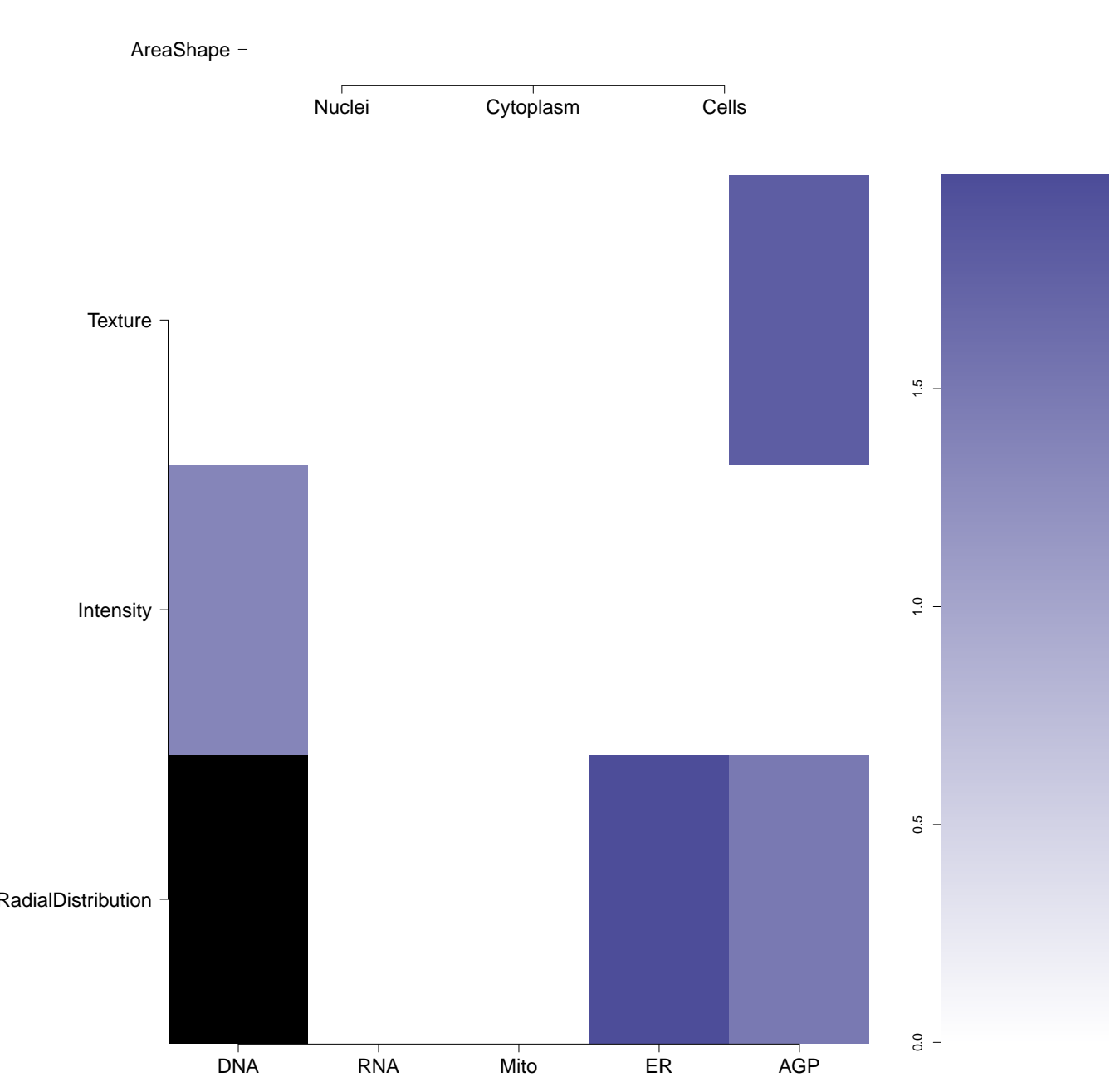
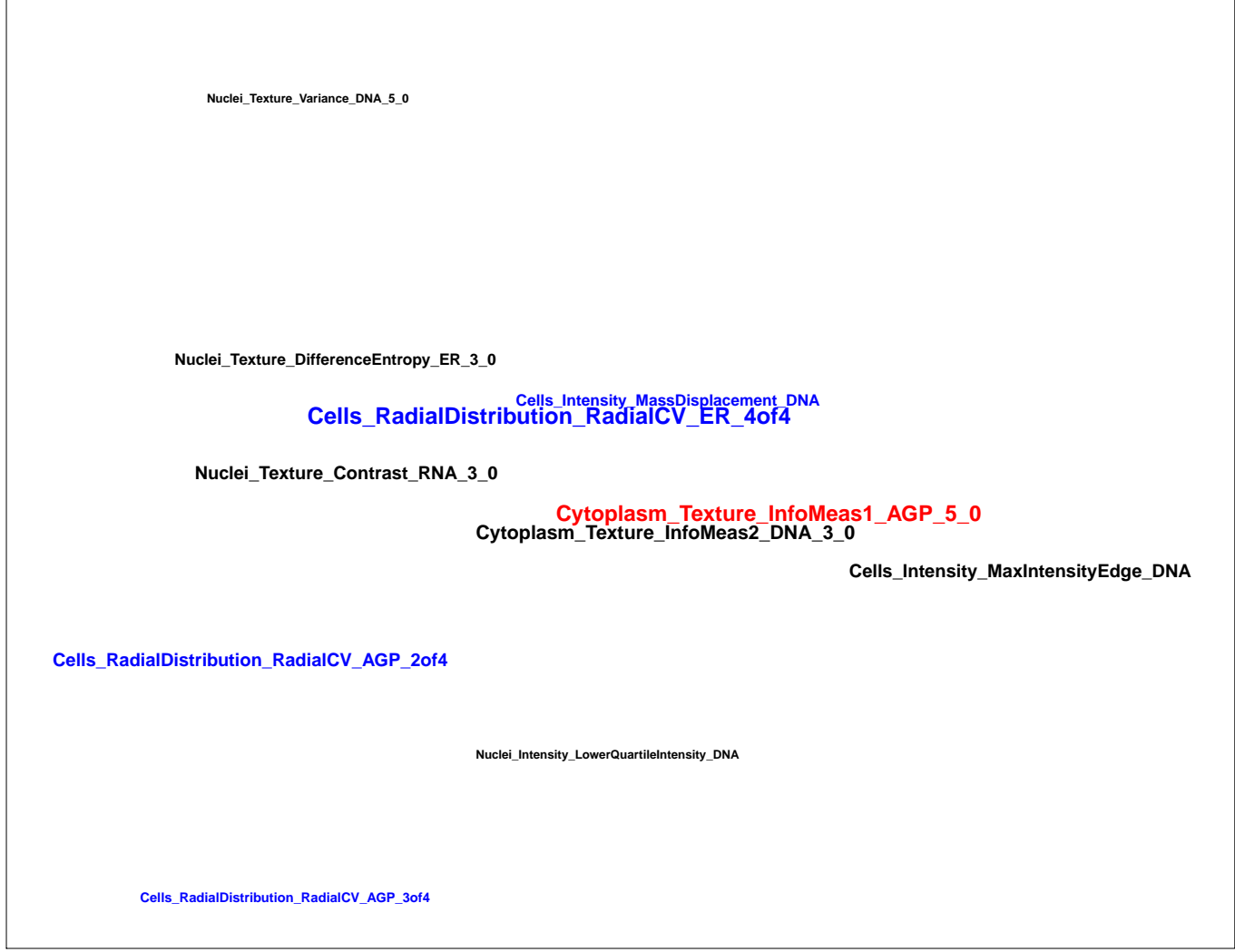
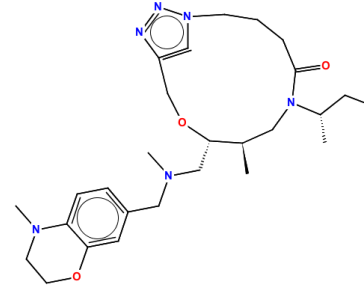
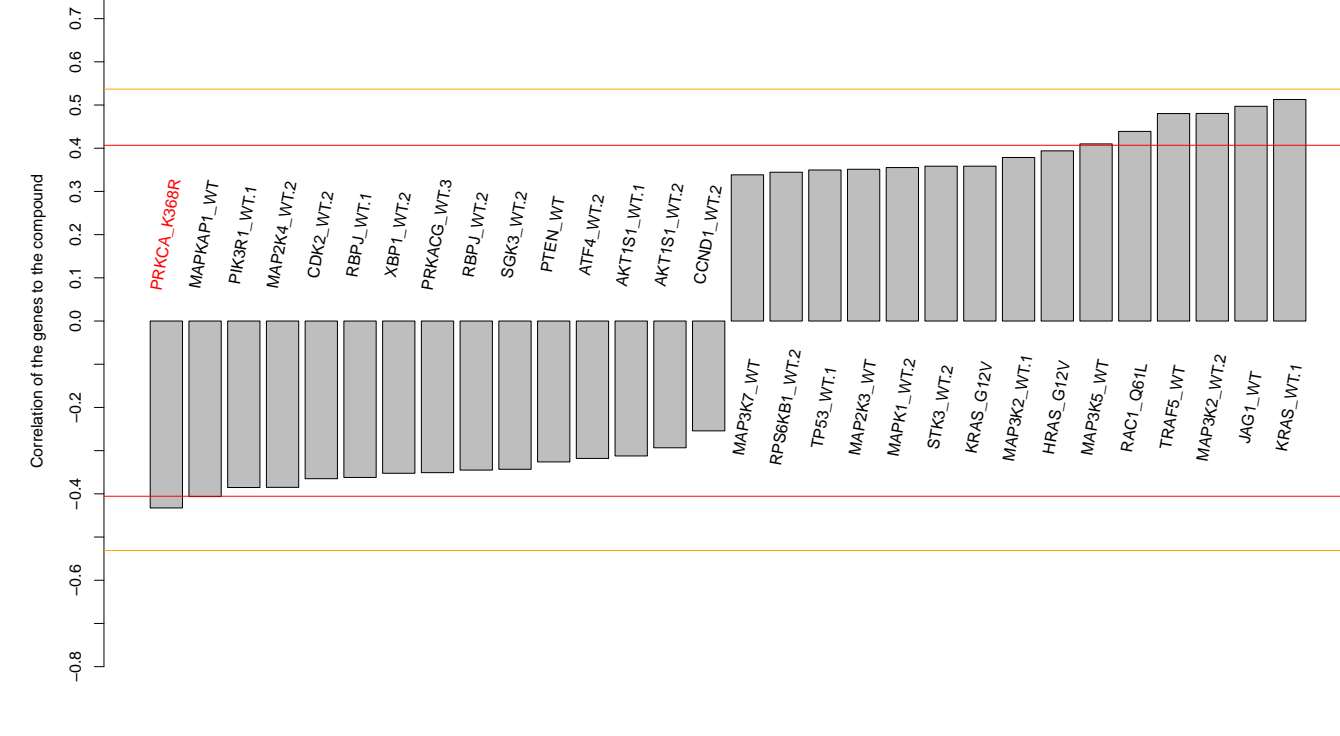
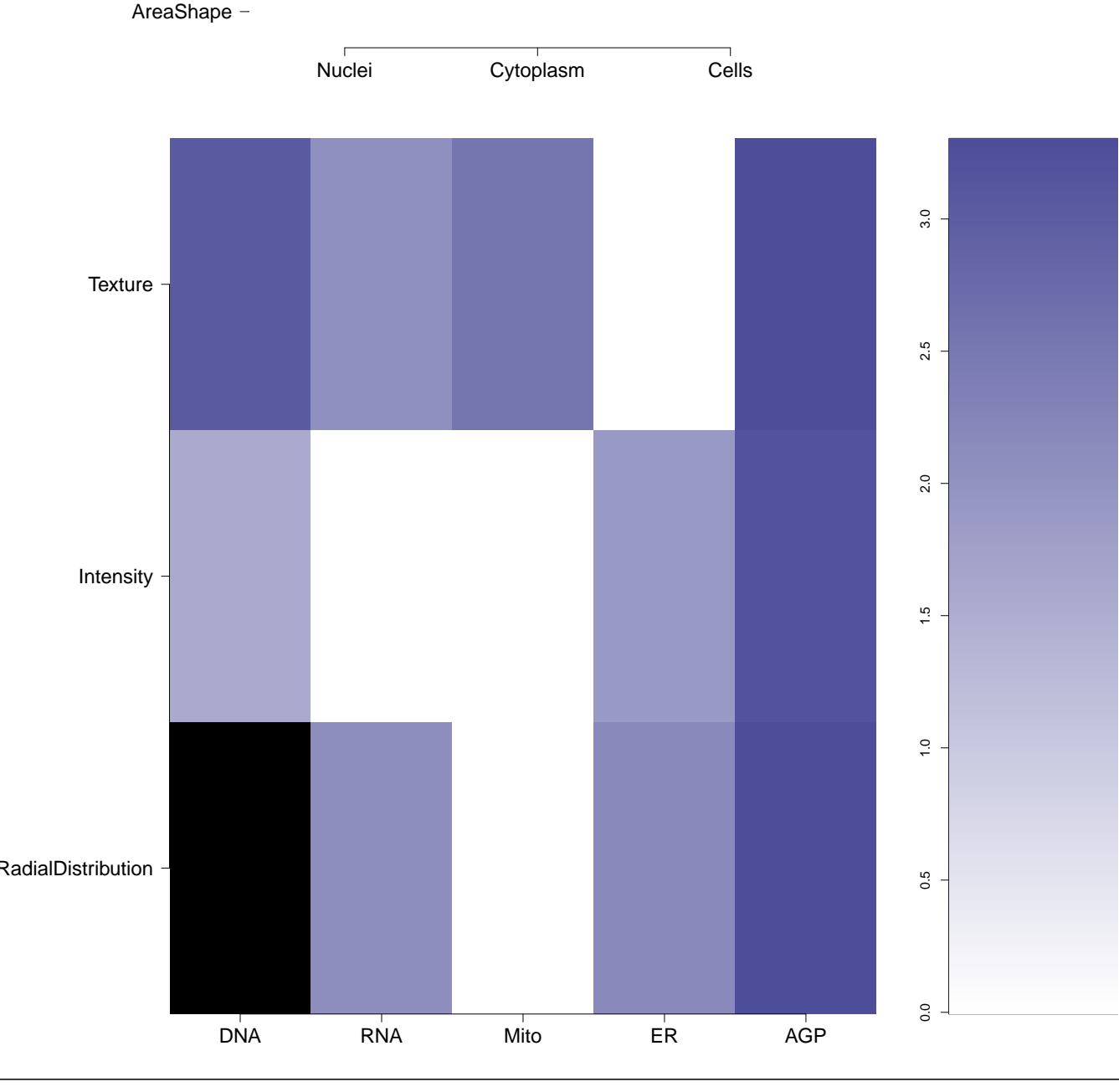

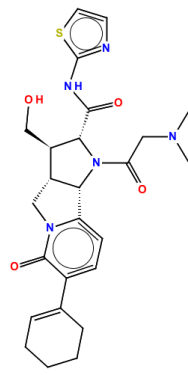
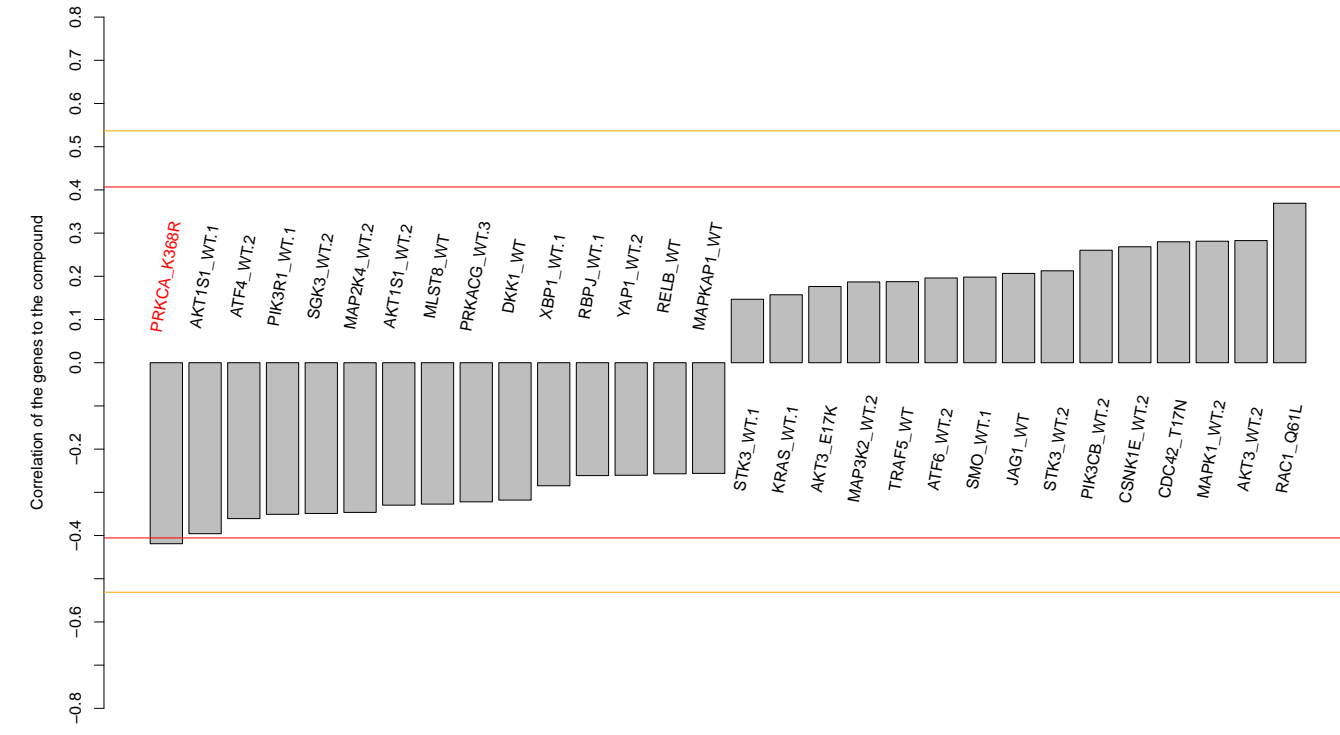
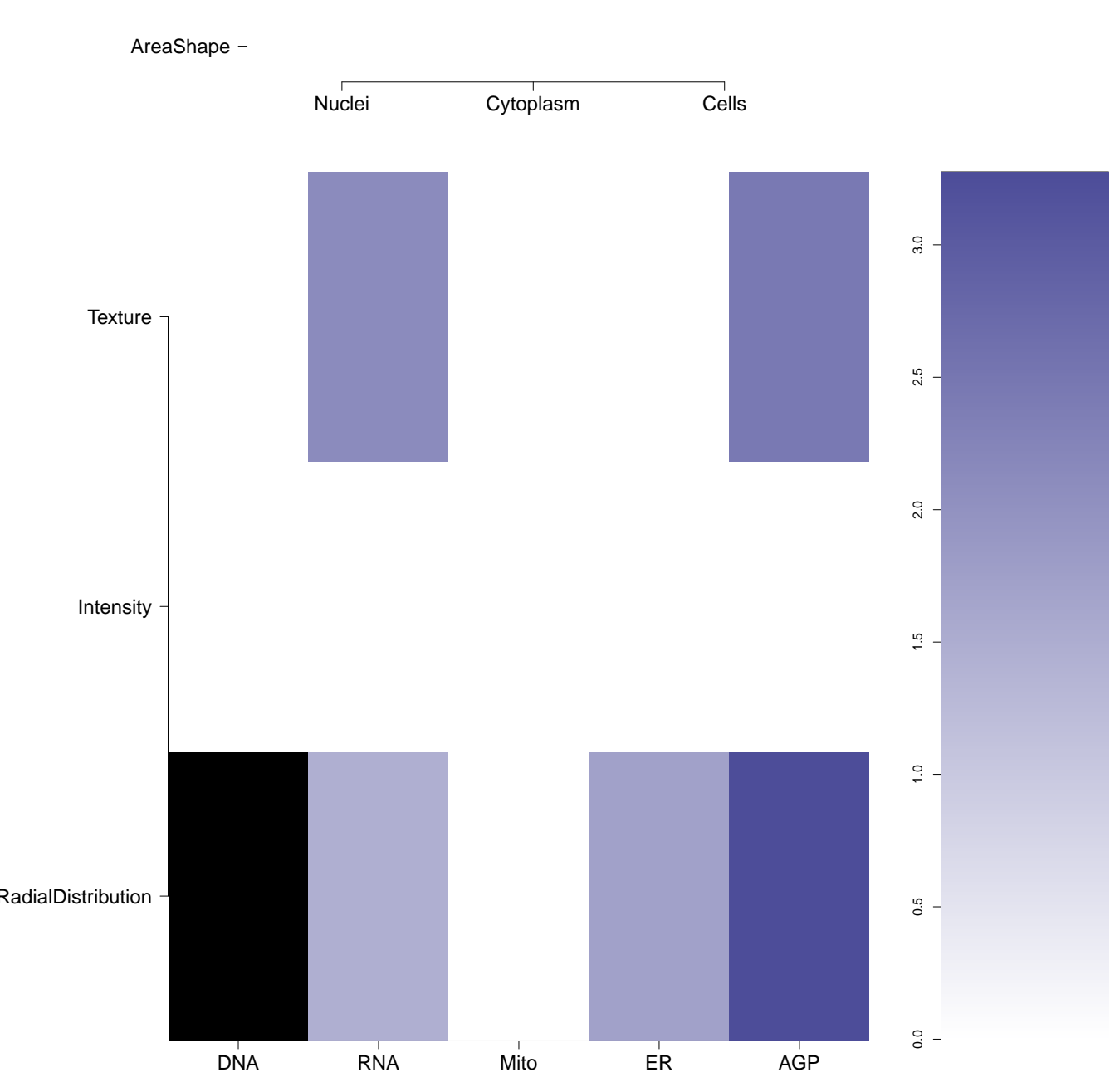



AGP



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-K17713237-001-01-7 PubChem CID : 54646074		0.54 (in 2 replicates)	0.50	0.780				Total number of assays tested in: 43.
BRD-K46718584-001-01-0 PubChem CID : 54618515		0.67 (in 4 replicates)	0.49	0.270				Total number of assays tested in: 37.
BRD-K39438085-001-01-8 PubChem CID : 44492624		0.53 (in 4 replicates)	0.49	0.265				Total number of assays tested in: 46.
BRD-K09721123-001-05-8 AC1MMVLK SMR000028253 MLS000045856 HMS2454F08 ZINC4034427 PubChem CID : 3245118		0.63 (in 4 replicates)	-0.60	0.180				<p>Total number of assays tested in: 782. Active in the following assays:</p> <ul style="list-style-type: none"> qHTS Assay for Spectroscopic Profiling in 4-MU Spectral Region (AID 589) qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590) Leishmania major promastigote HTS (AID 1063) Primary biochemical high throughput screening assay to identify inhibitors of VIM-2 metallo-beta-lactamase (AID 1527) Counterscreen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483) qHTS of D3 Dopamine Receptor Antagonist: qHTS (AID 652054)
BRD-K03796490-001-05-1 T0509-9695 MLS001003678 HMS1763D10 ZINC6374094 SMR000347571 PubChem CID : 9622493		NA (in 1 replicates)	-0.57	NA				<p>Total number of assays tested in: 638. Active in the following assays:</p> <ul style="list-style-type: none"> Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Primary Screen (AID 1456) Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay 3 with KCC2 cells (AID 1714) Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counterscreen with HEK cells (AID 1716) Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counterscreen 2 with HEK cells (AID 1718) VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546) qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)
BRD-K35381497-001-05-7 MLS00055897 AC1M8PPB HMS2394G10 SMR000064536 PubChem CID : 2517964		0.57 (in 2 replicates)	-0.52	NA				<p>Total number of assays tested in: 760. Active in the following assays:</p> <ul style="list-style-type: none"> qHTS Assay for Tau Filament Binding (AID 596) Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652) qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) Screen for inhibitors of the SWI/SNF chromatin remodeling complex (esBAF) in mouse embryonic stem cells with Luciferase reporter assay Measured in Cell-Based System Using Plate Reader - 2141-01.Inhibitor.SinglePoint.HTS.Activity (AID 602393) A quantitative high throughput screen for small molecules that induce DNA re-replication in MCF 10a normal breast cells. (AID 624296)
BRD-K07079807-001-05-6 MLS000757021 NSC310325 HMS542B07 HMS2886D13 AC1L7462 ZINC1569236 ZINC01569236 NSC-310325 SMR000528914 PubChem CID : 329164		NA (in 1 replicates)	-0.52	NA				<p>Total number of assays tested in: 573. Active in the following assays:</p> <ul style="list-style-type: none"> Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 96 hour incubation (AID 504834) Primary cell-based high-throughput screening for identification of compounds that antagonize MrgX1 receptor signaling (AID 588676) qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDPI): qHTS in cells in absence of CPT (AID 686978) Luminescent Gluc Reporter Gene Assay Primary HTS to Identify Small Molecule Activator of Glucose Dependent Insulin Secretion Measured in Cell-Based System Using Plate Reader - 7055-01.Activator.SinglePoint.HTS.Activity (AID 743287)

<div>BRD-K10476649-001-05-1</div> <div>STK036892</div> <div>AC1LOOA0</div> <div>MLS000698108</div> <div>HMS2592G19</div> <div>ZINC1000709</div> <div>SMR000226043</div> <div>PubChem CID : 1224430</div>		NA (in 1 replicates)	-0.51	NA				<div>Total number of assays tested in: 627. Active in the following assays:</div> <ul style="list-style-type: none">• Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Primary Screen (AID 1456)• Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay with KCC2 cells (AID 1713)• Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay 3 with KCC2 cells (AID 1714)• Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay 2 with KCC2 cells (AID 1715)• Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counter-screen with HEK cells (AID 1716)• Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Retesting of KCC2 cells with Ouabain (AID 1717)• Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counter-screen 2 with HEK cells (AID 1718)• Primary cell-based screen for identification of compounds that inhibit the Choline Transporter (CHT) (AID 488975)• Confirmatory screen for compounds that inhibit the Choline Transporter (CHT) (AID 493221)• 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)
<div>BRD-K94081674-001-01-5</div> <div>PubChem CID : 54661062</div>		0.63 (in 4 replicates)	-0.50	NA				Total number of assays tested in: 31.
<div>BRD-K32464623-001-06-9</div> <div>MLS000775327</div> <div>HMS2753L15</div> <div>ZINC13637891</div> <div>SMR000368401</div> <div>PubChem CID : 9614758</div>		NA (in 1 replicates)	-0.46	NA				<div>Total number of assays tested in: 570. Active in the following assays:</div> <ul style="list-style-type: none">• Luminescence Microorganism Primary HTS to Identify Inhibitors of the SUMOylation Pathway Using a Temperature Sensitive Growth Reversal Mutant Mot1-301 (AID 2716)• qHTS Assay for Inhibitors of BAZ2B (AID 504333)• uHTS fluorescent assay for identification of inhibitors of ATG4B (AID 504462)• uHTS Fluorescent Assay Using Nedd8 Protein Substrate for Identification of Inhibitors of Sentrin-Specific Protease 8 (SENPs) (AID 602440)• Fluorescence polarization-based biochemical primary high throughput screening assay to identify inhibitors of ADP-ribosylation factor GTPase activating protein 1 (ARFGAP1) (AID 651572)• qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)• qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)• qHTS for Inhibitors of Inflammesome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)
<div>BRD-K40750649-001-01-2</div> <div>PubChem CID : 44488168</div>		0.64 (in 3 replicates)	-0.43	0.045				Total number of assays tested in: 46.
<div>BRD-K10777286-001-01-9</div> <div>PubChem CID : 54660666</div>		0.66 (in 4 replicates)	-0.42	NA				Total number of assays tested in: 32.