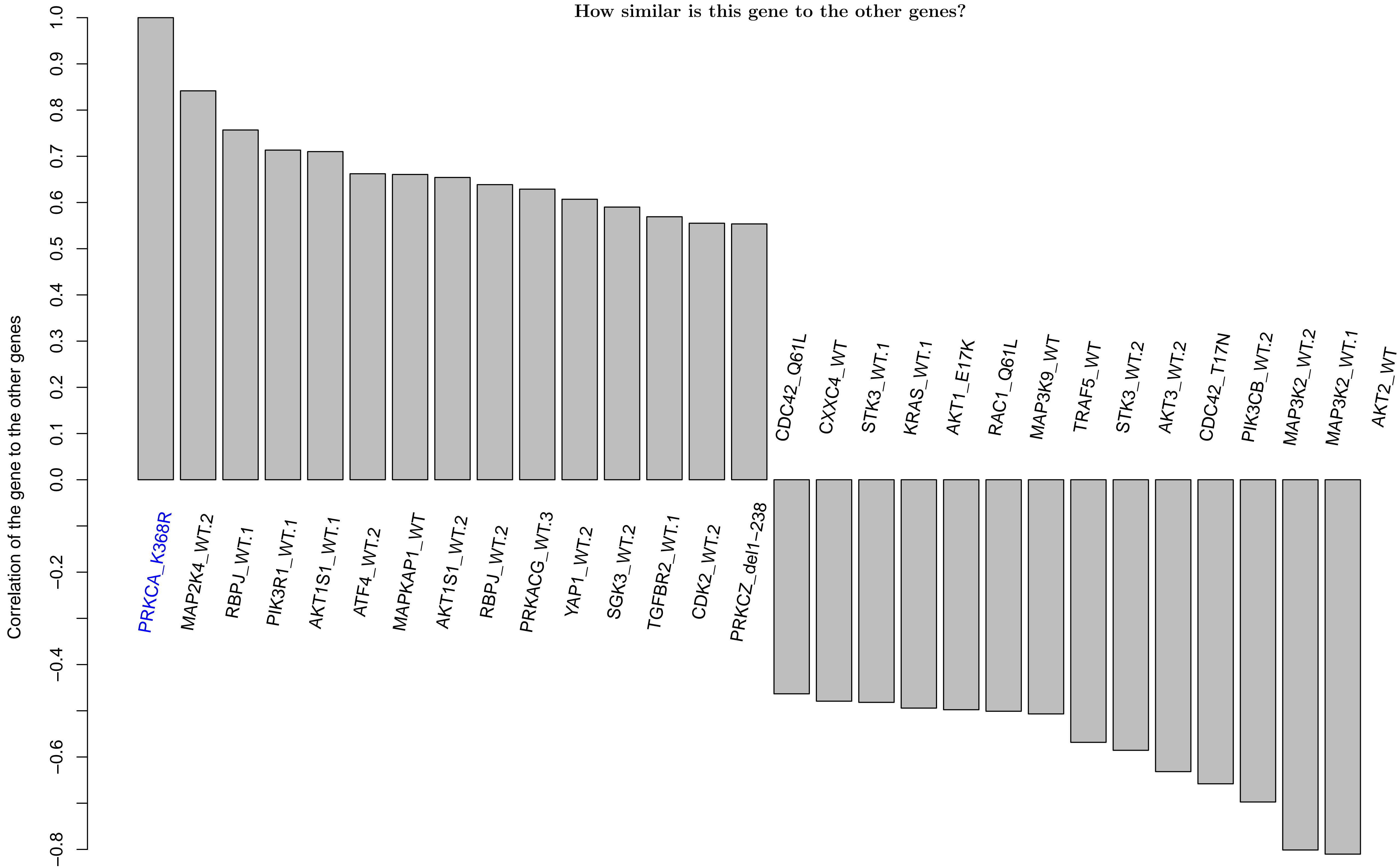
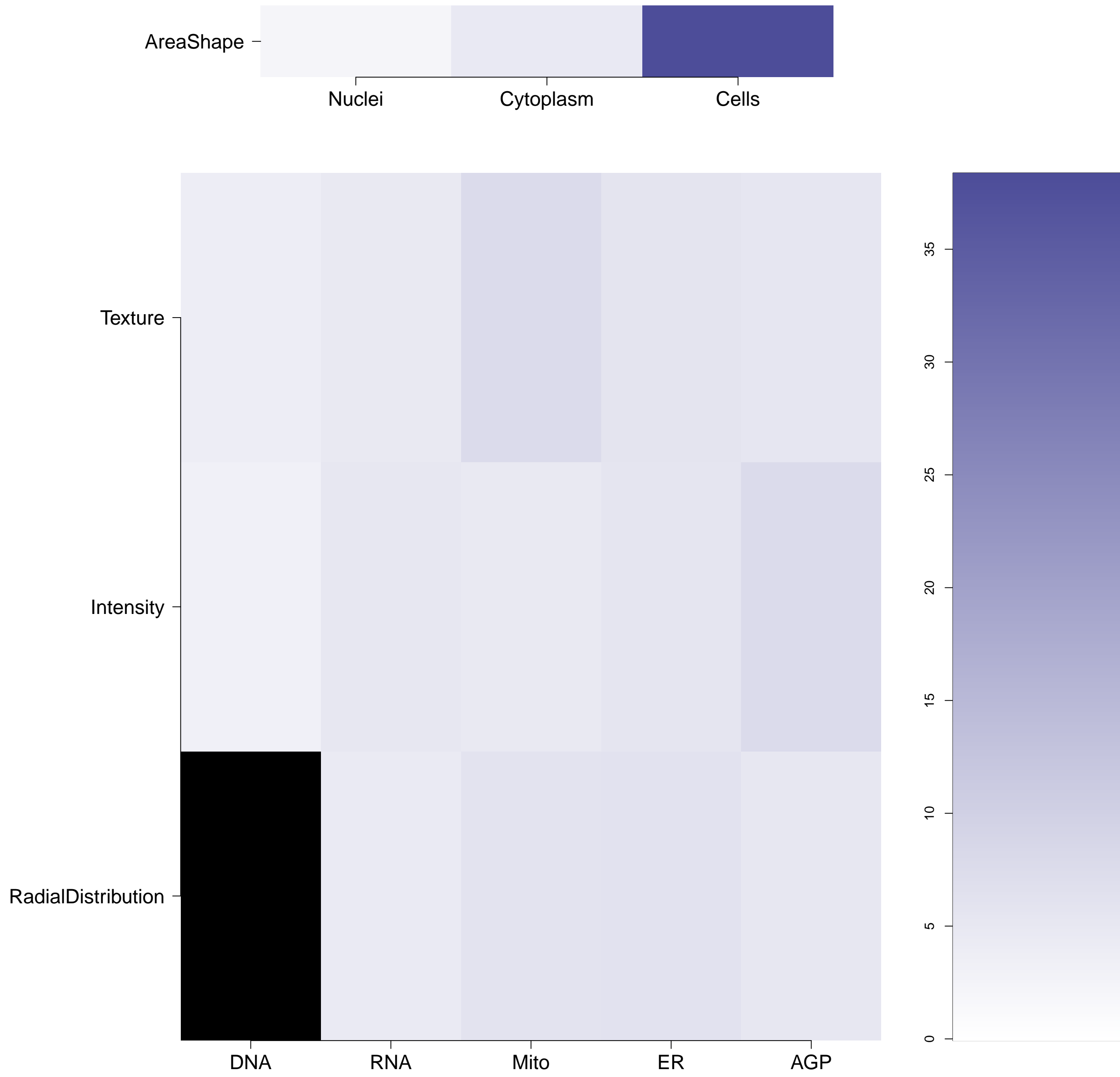


PRKCA.K368R - in Canonical PKC

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)

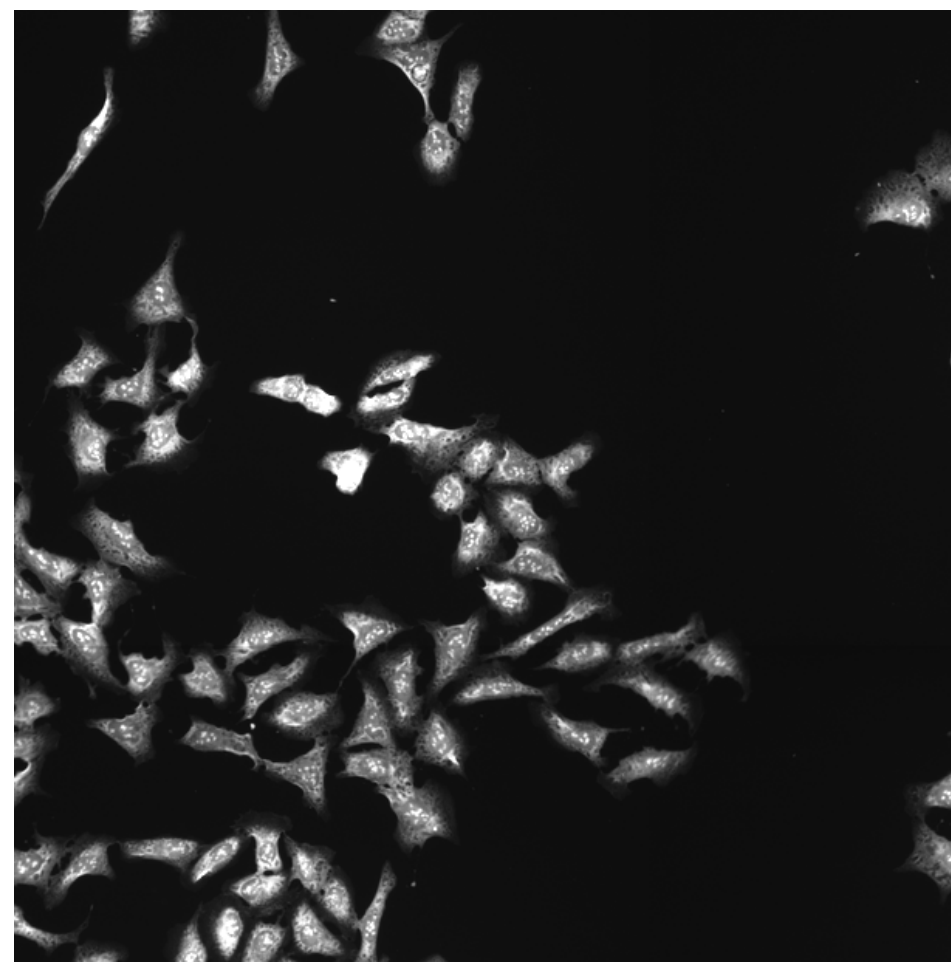
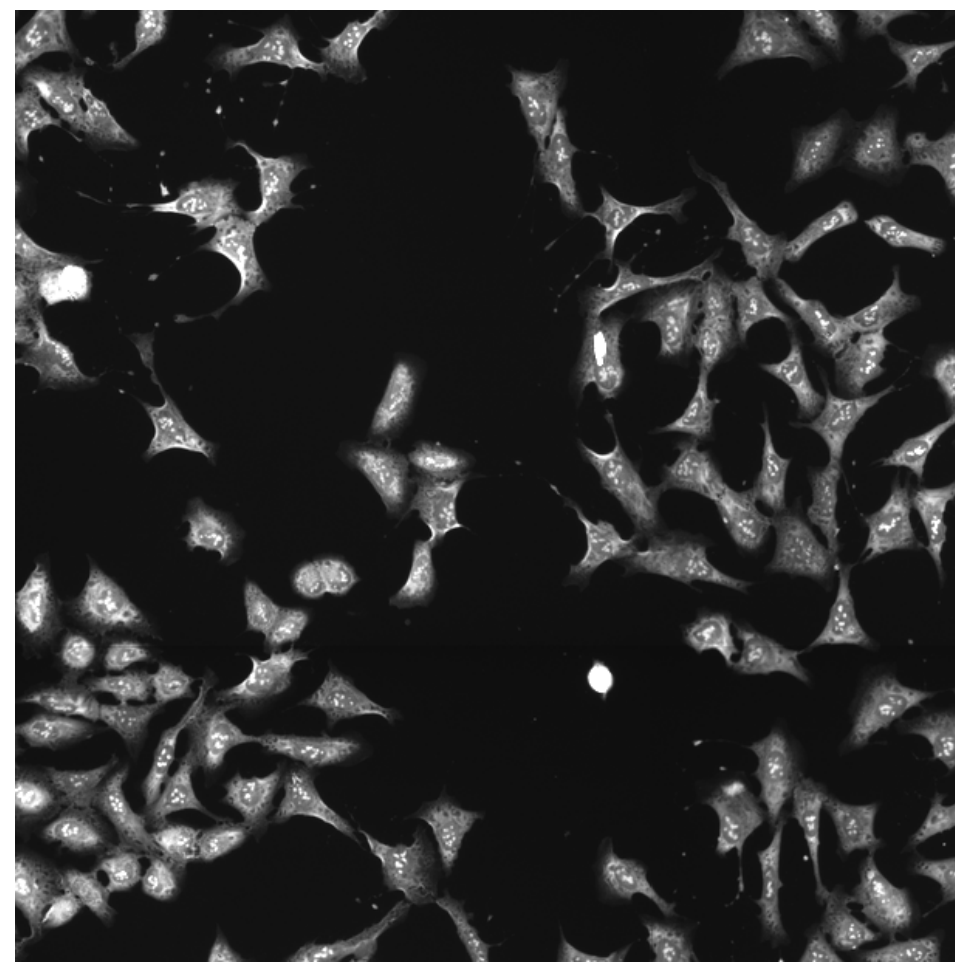
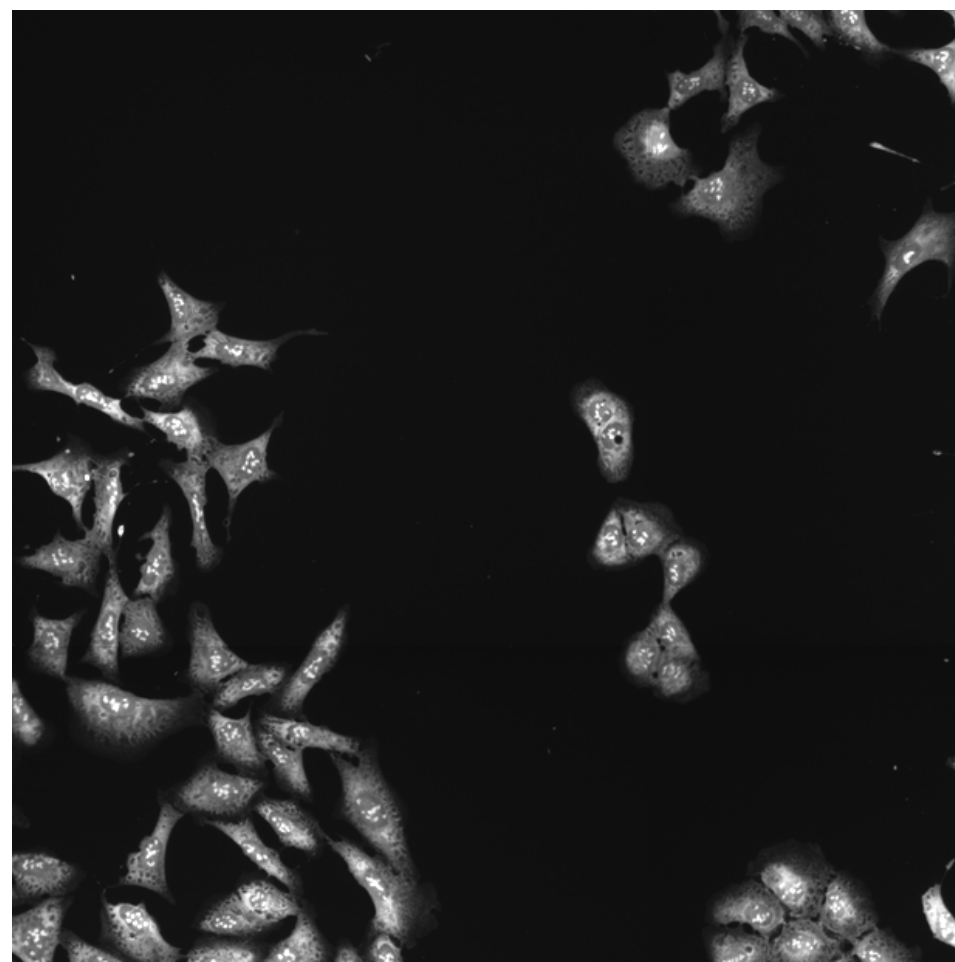
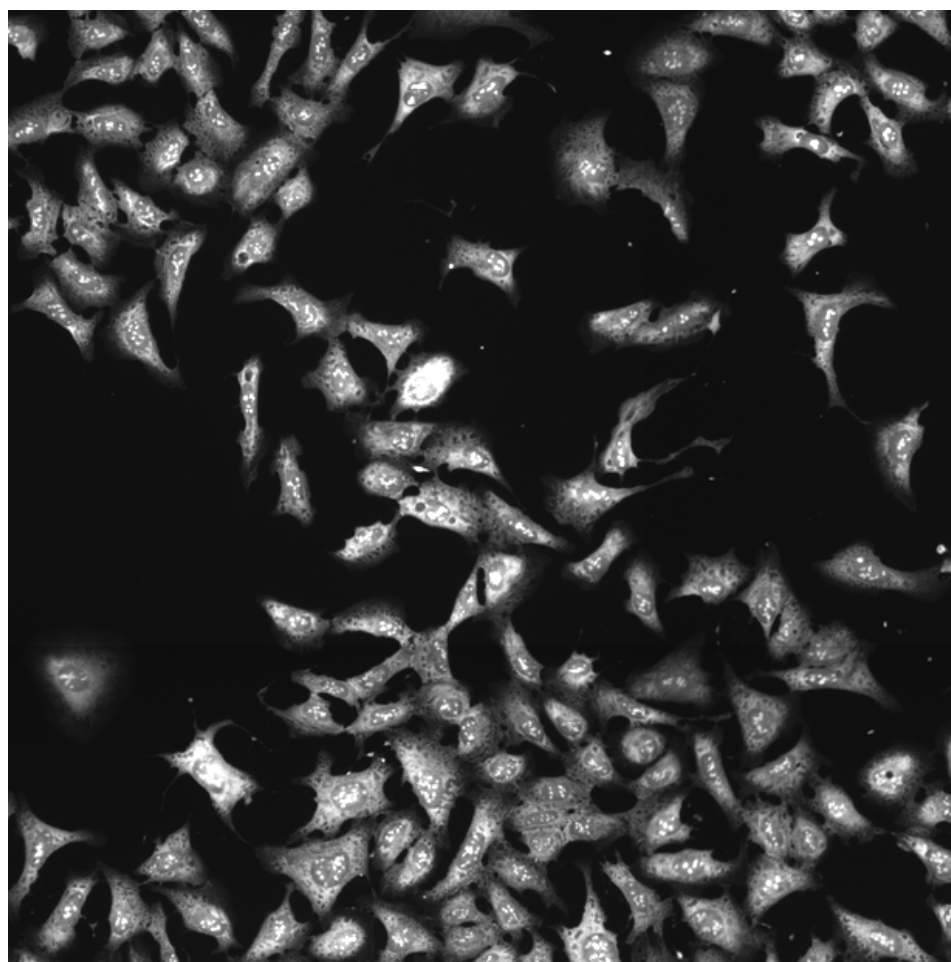
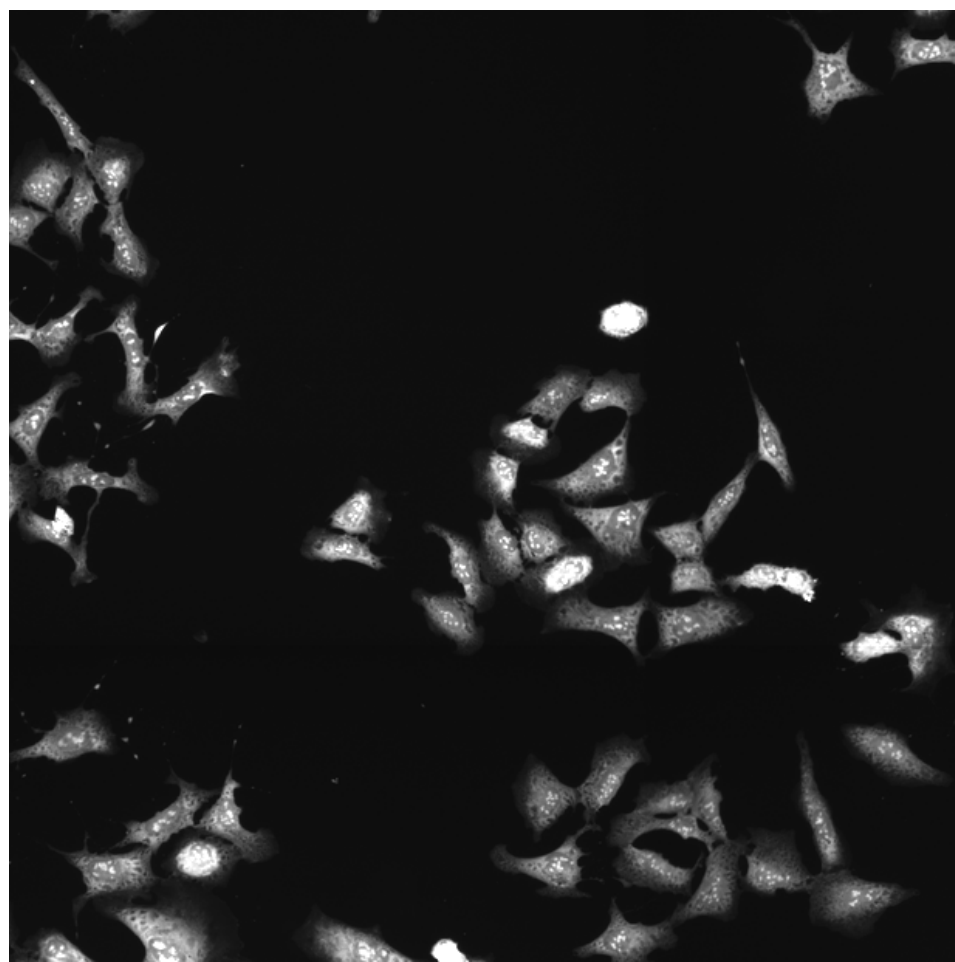
PRKCA.K368R (41755)

PRKCA.K368R (41756)

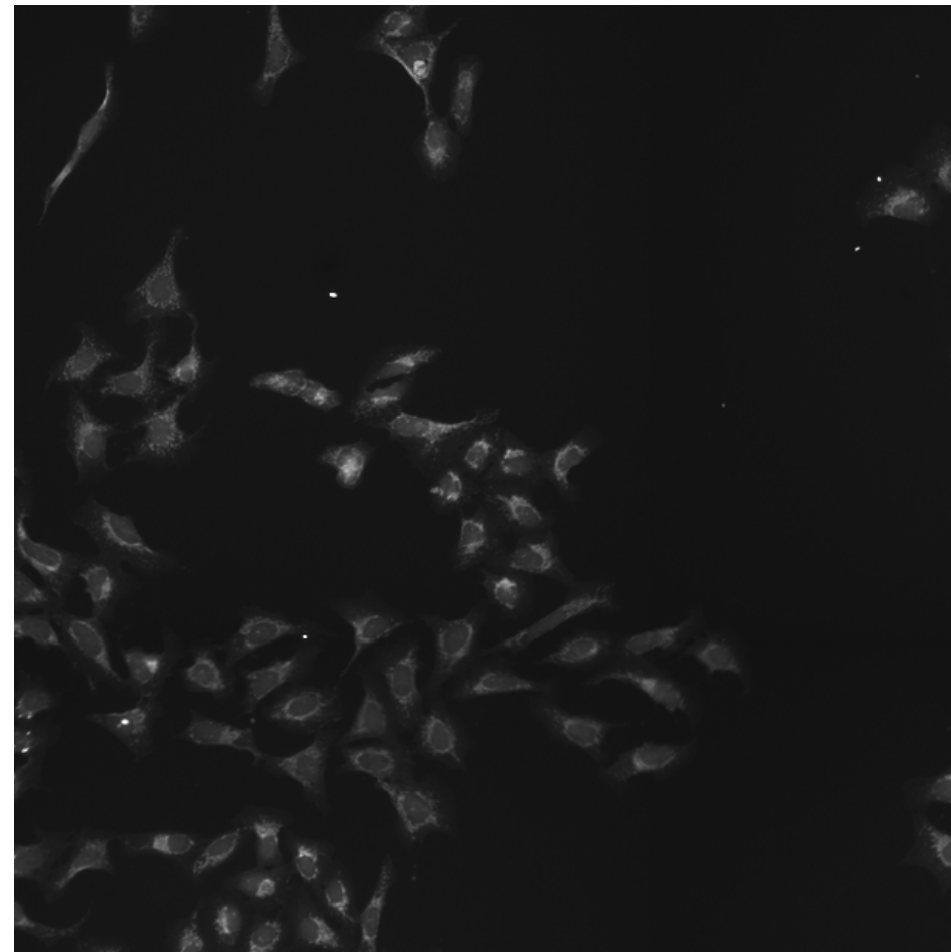
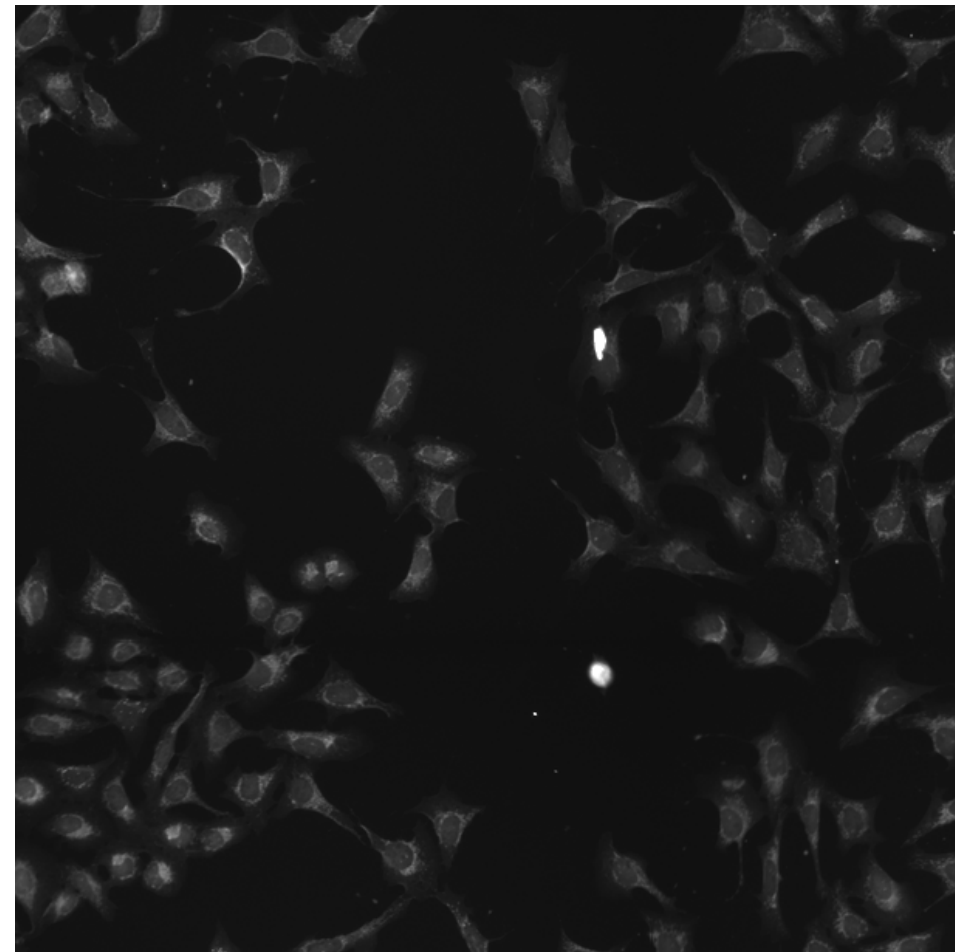
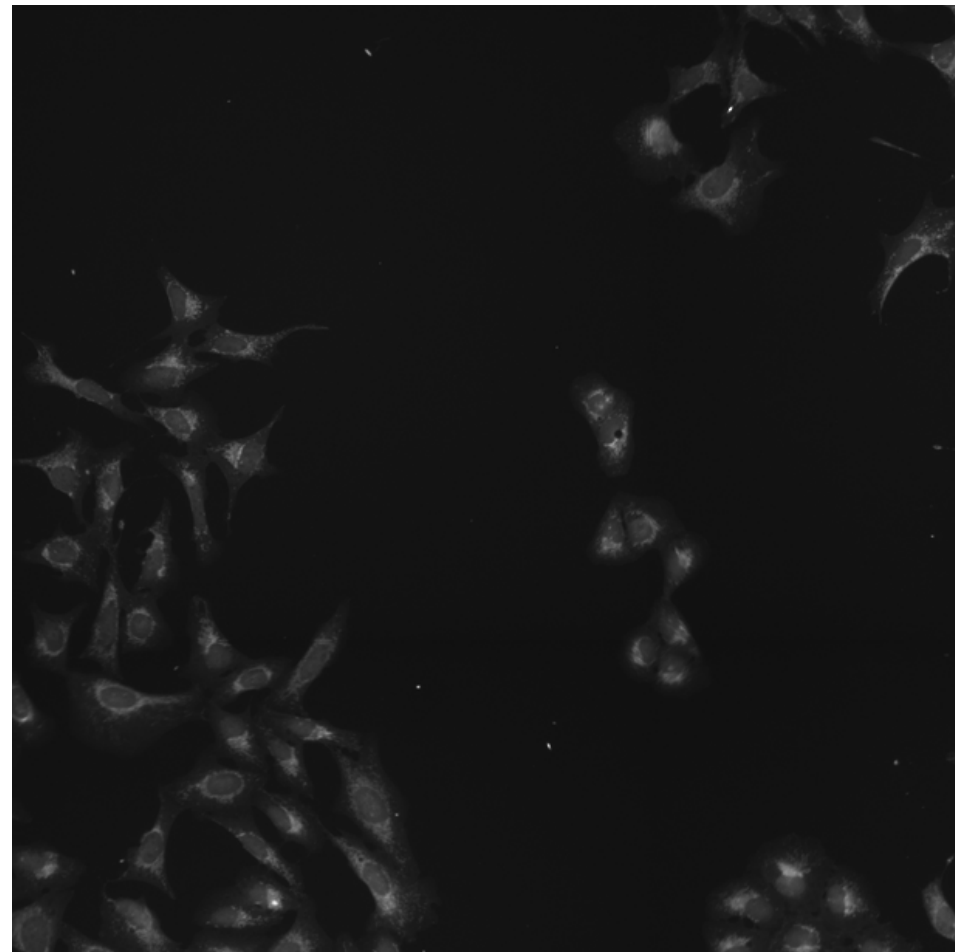
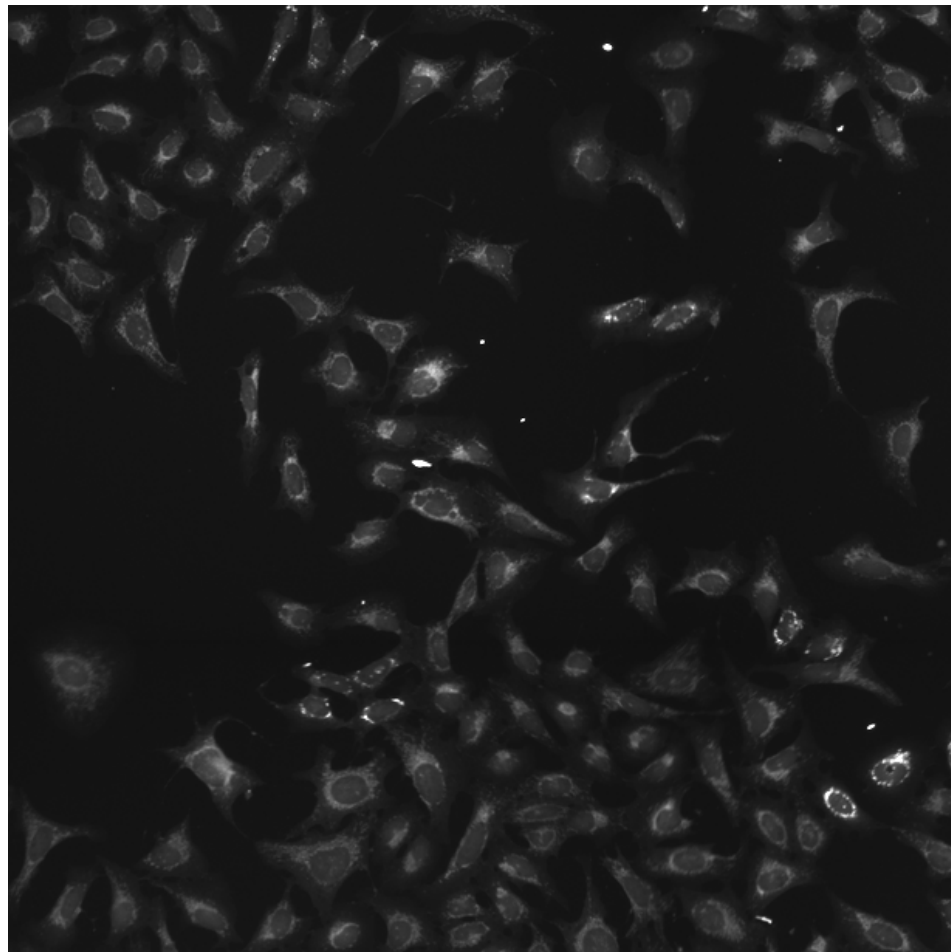
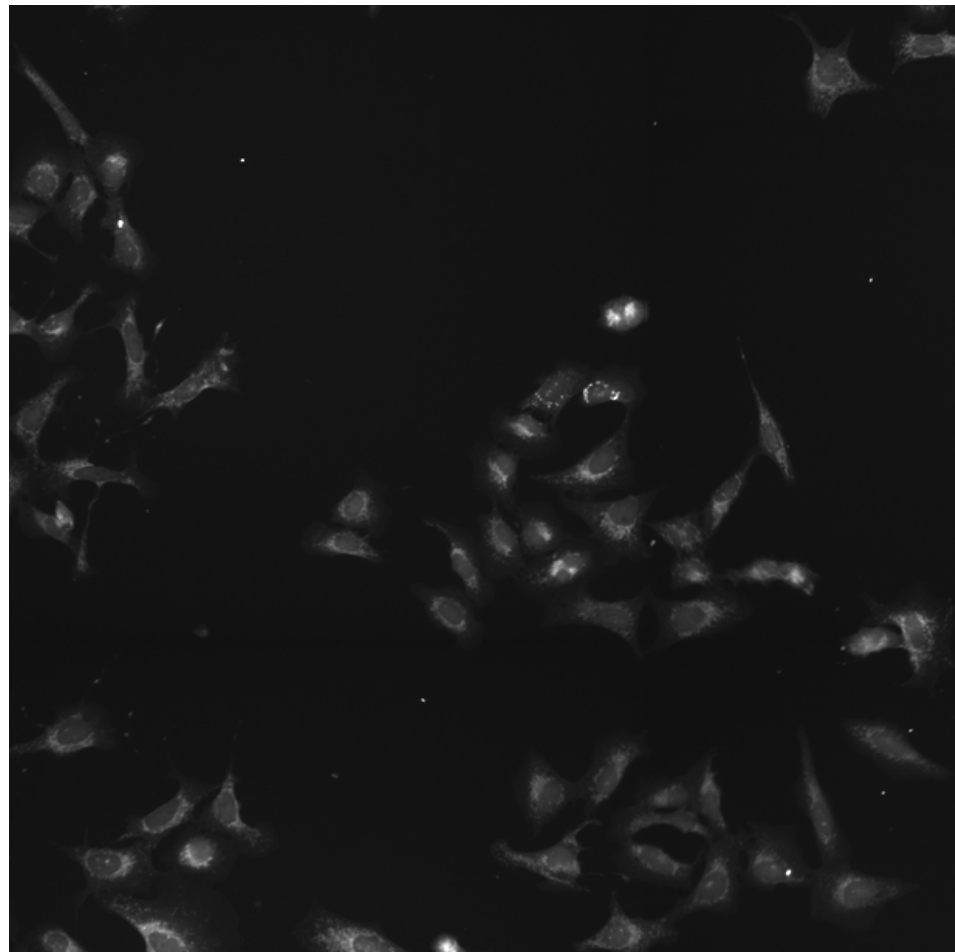
PRKCA.K368R (41757)

PRKCA.K368R (41754)

RNA

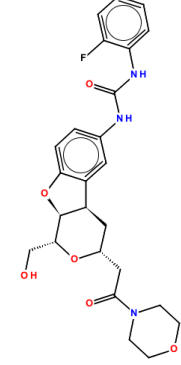
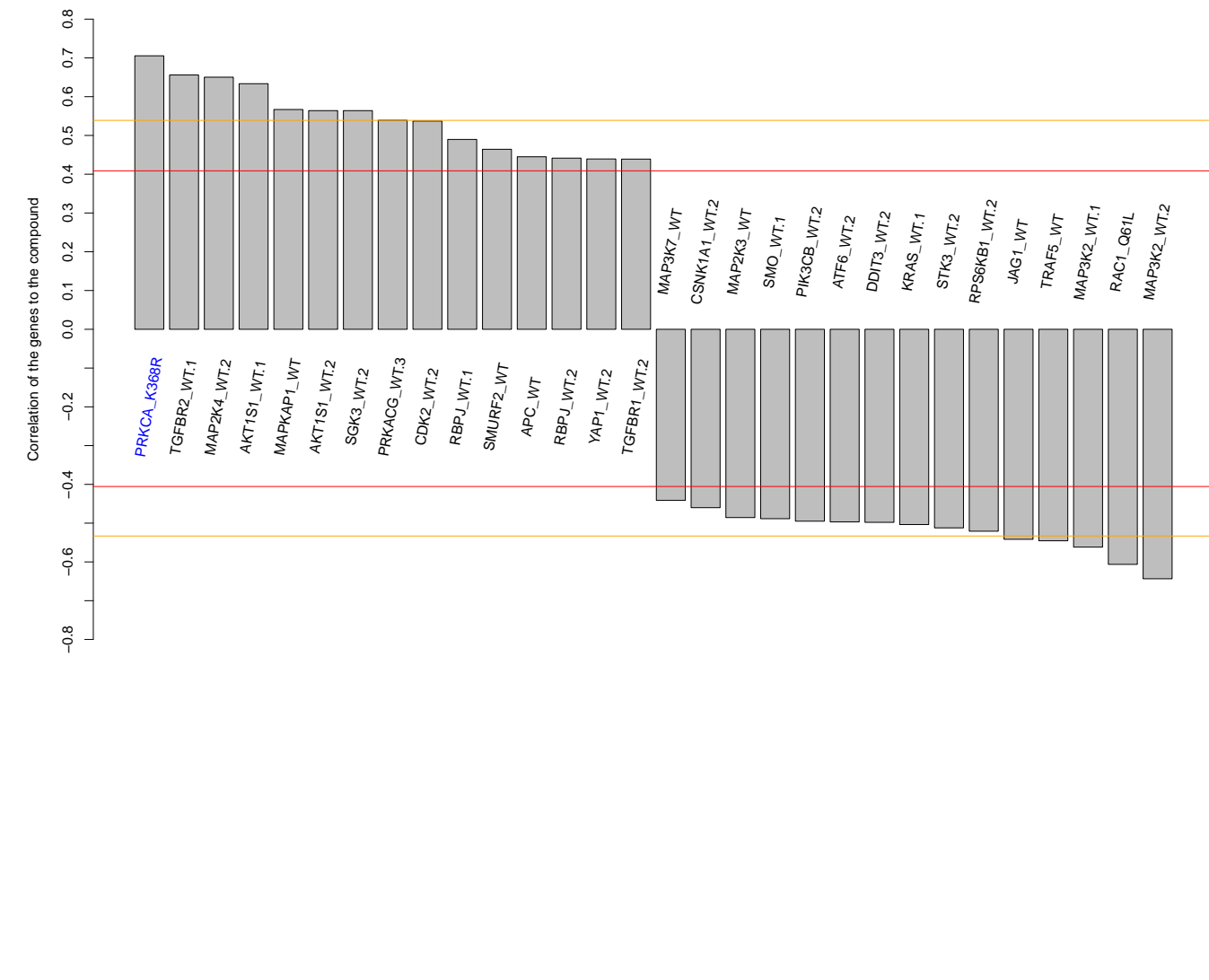
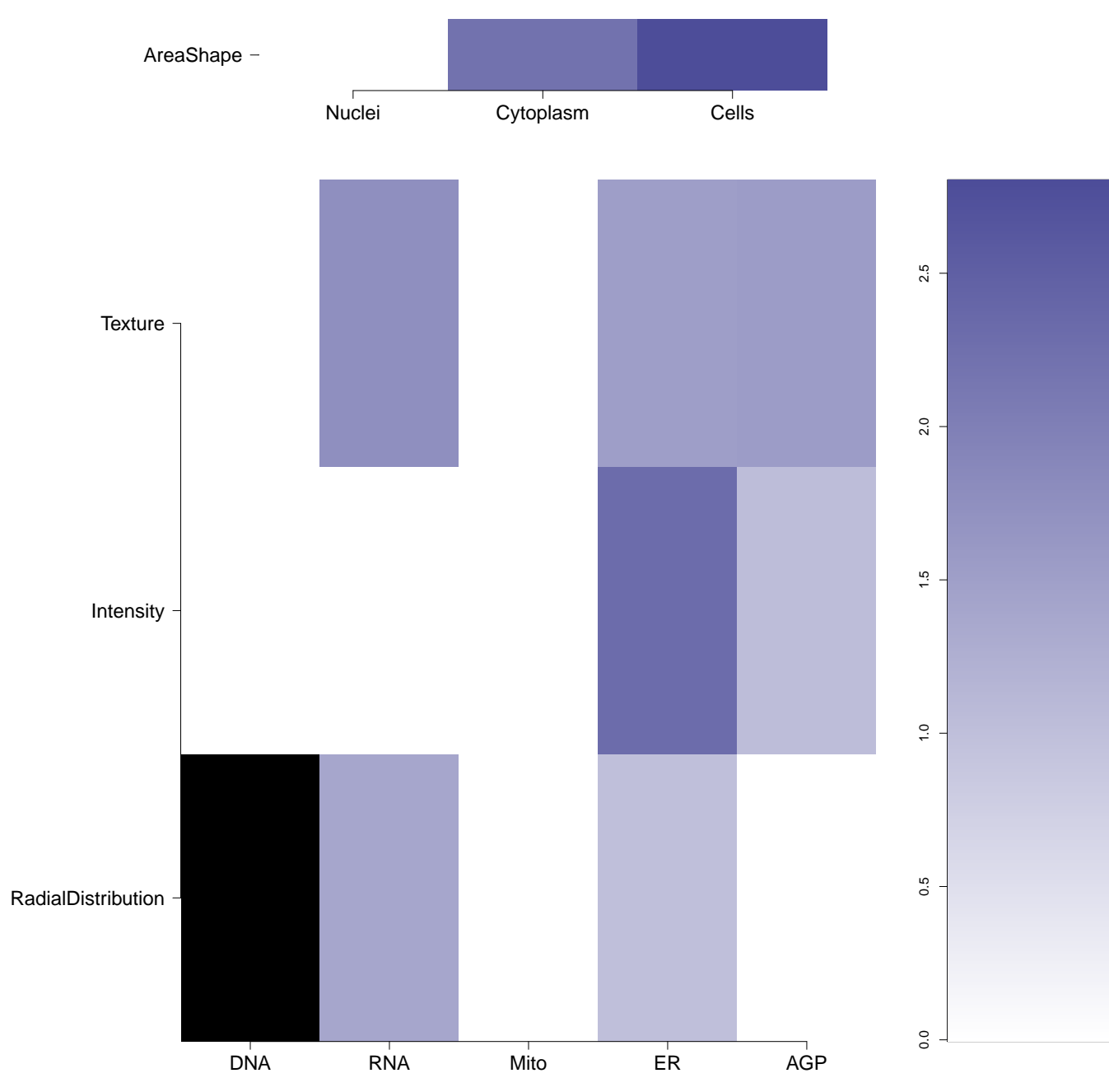

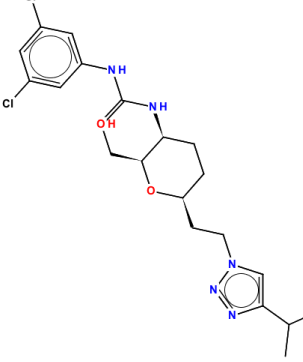
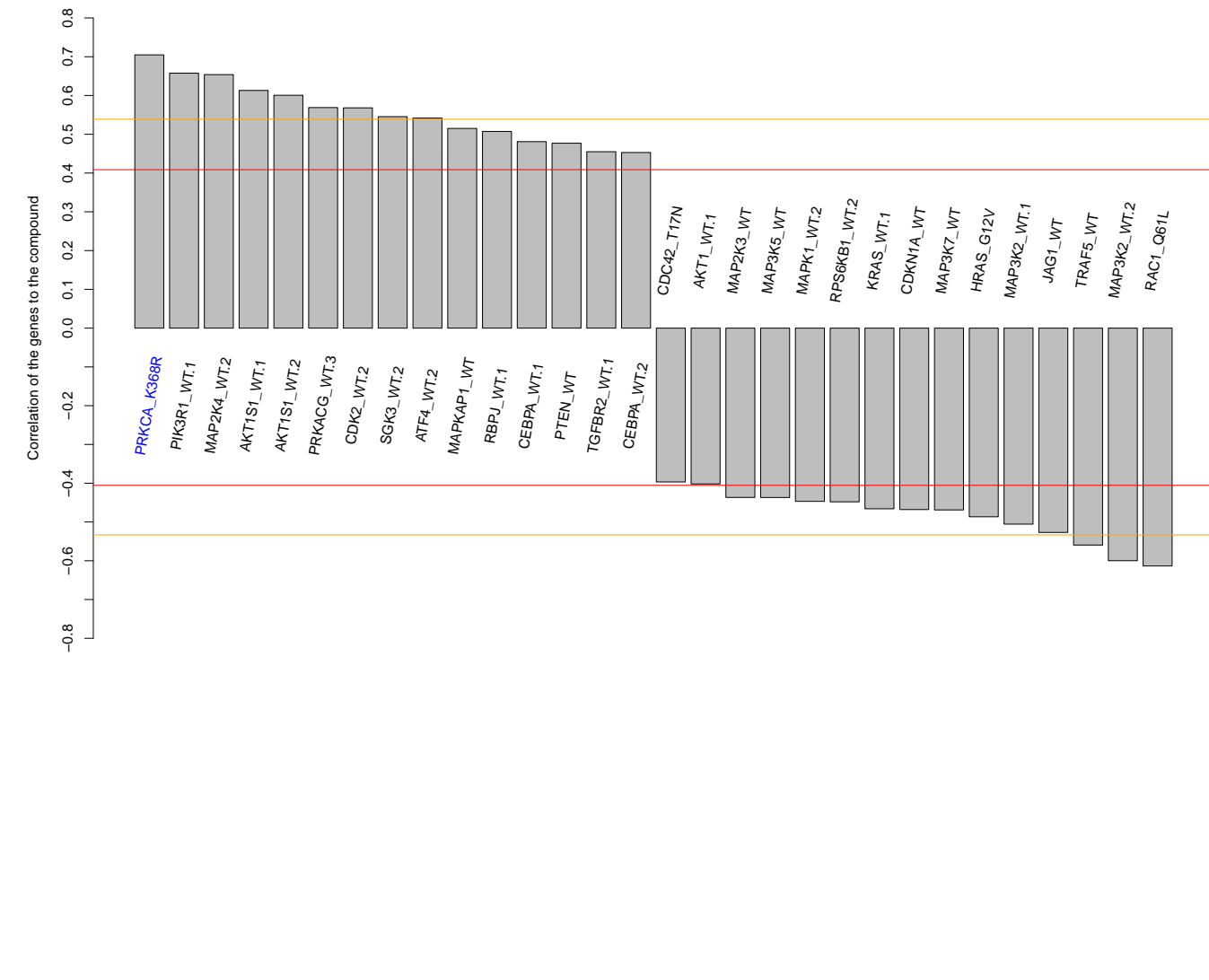
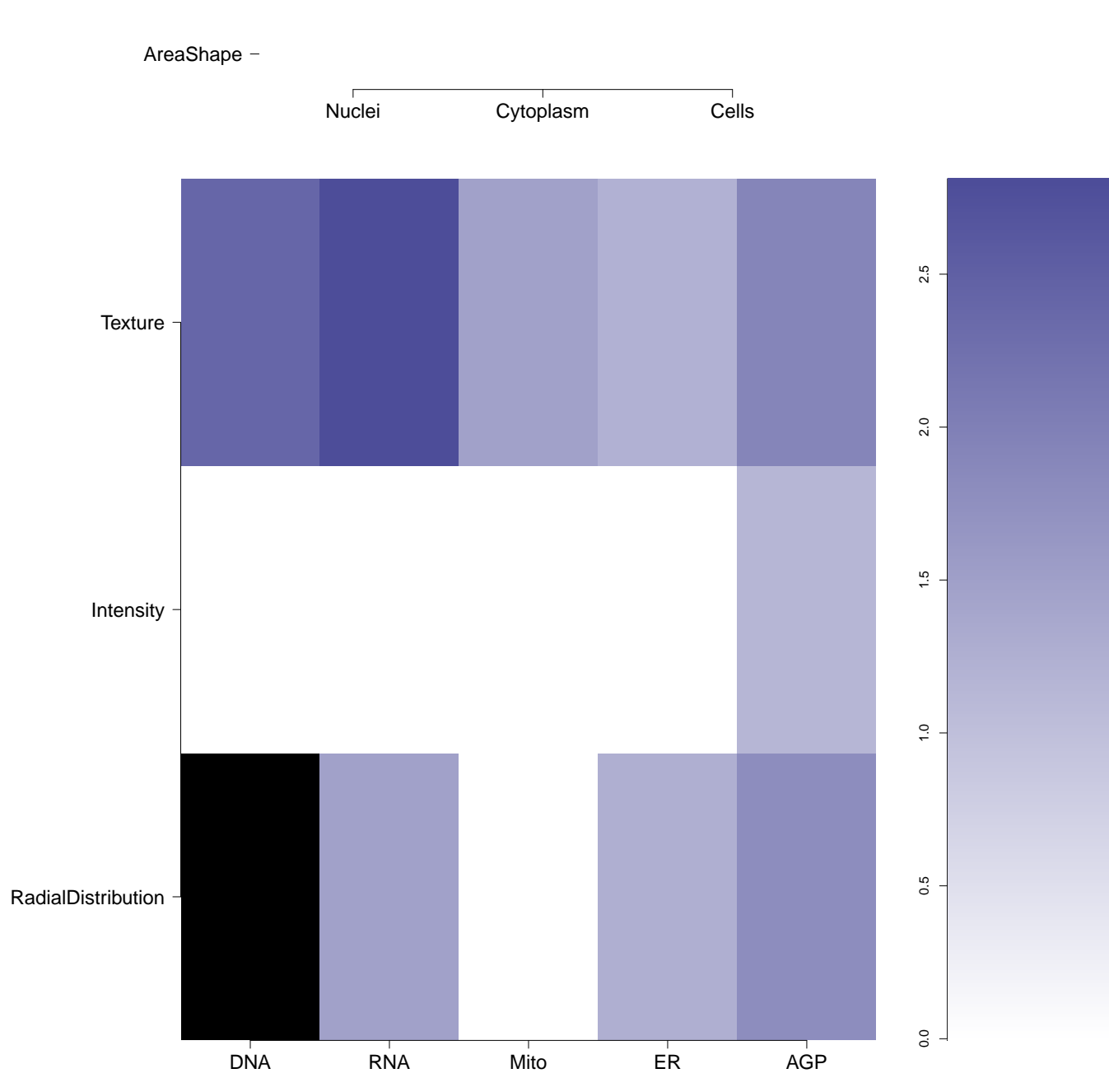

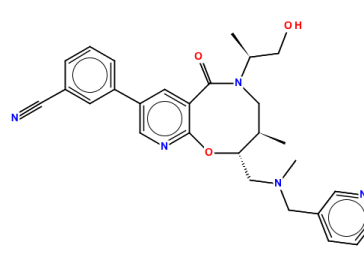
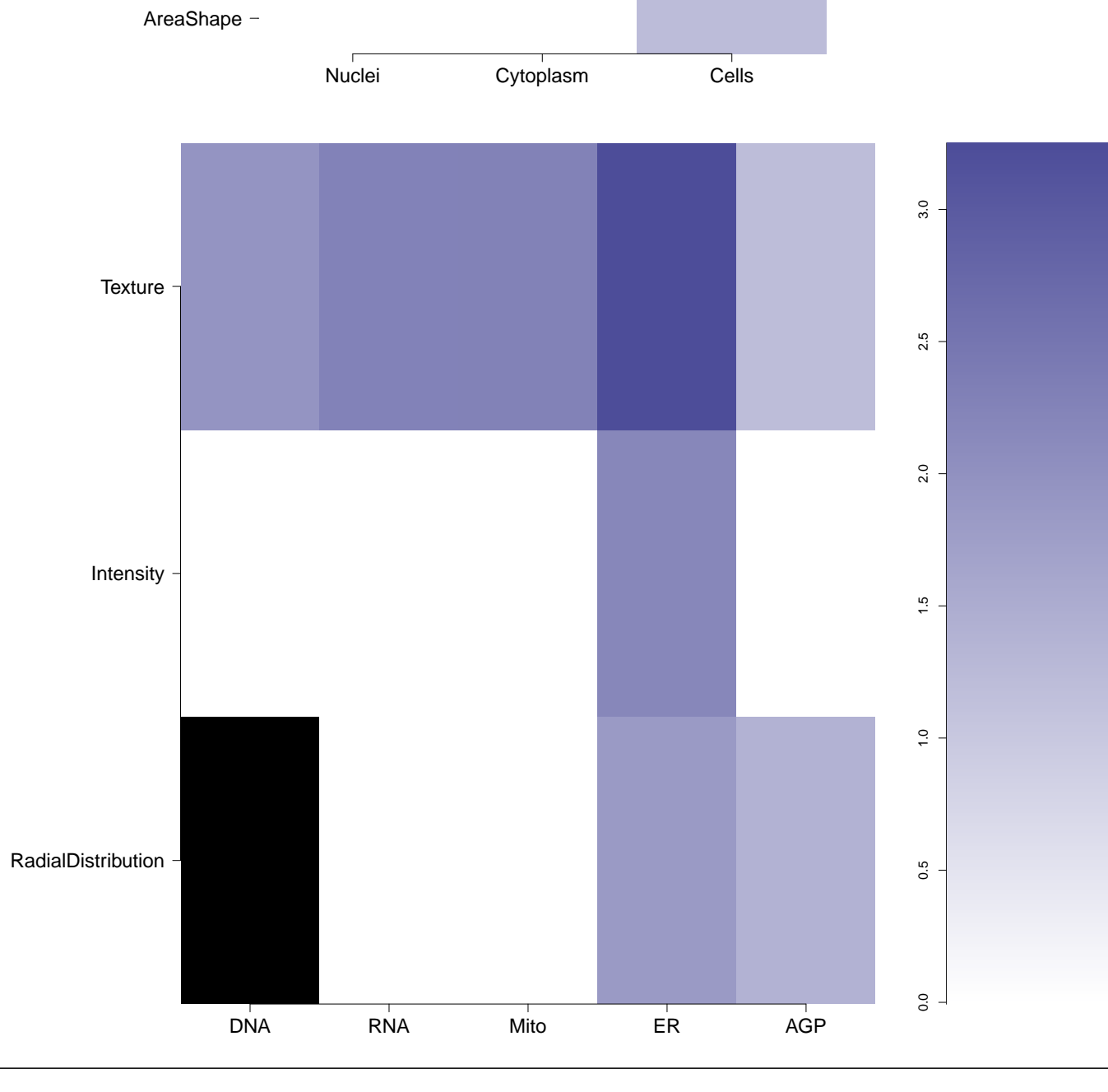

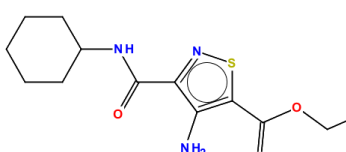
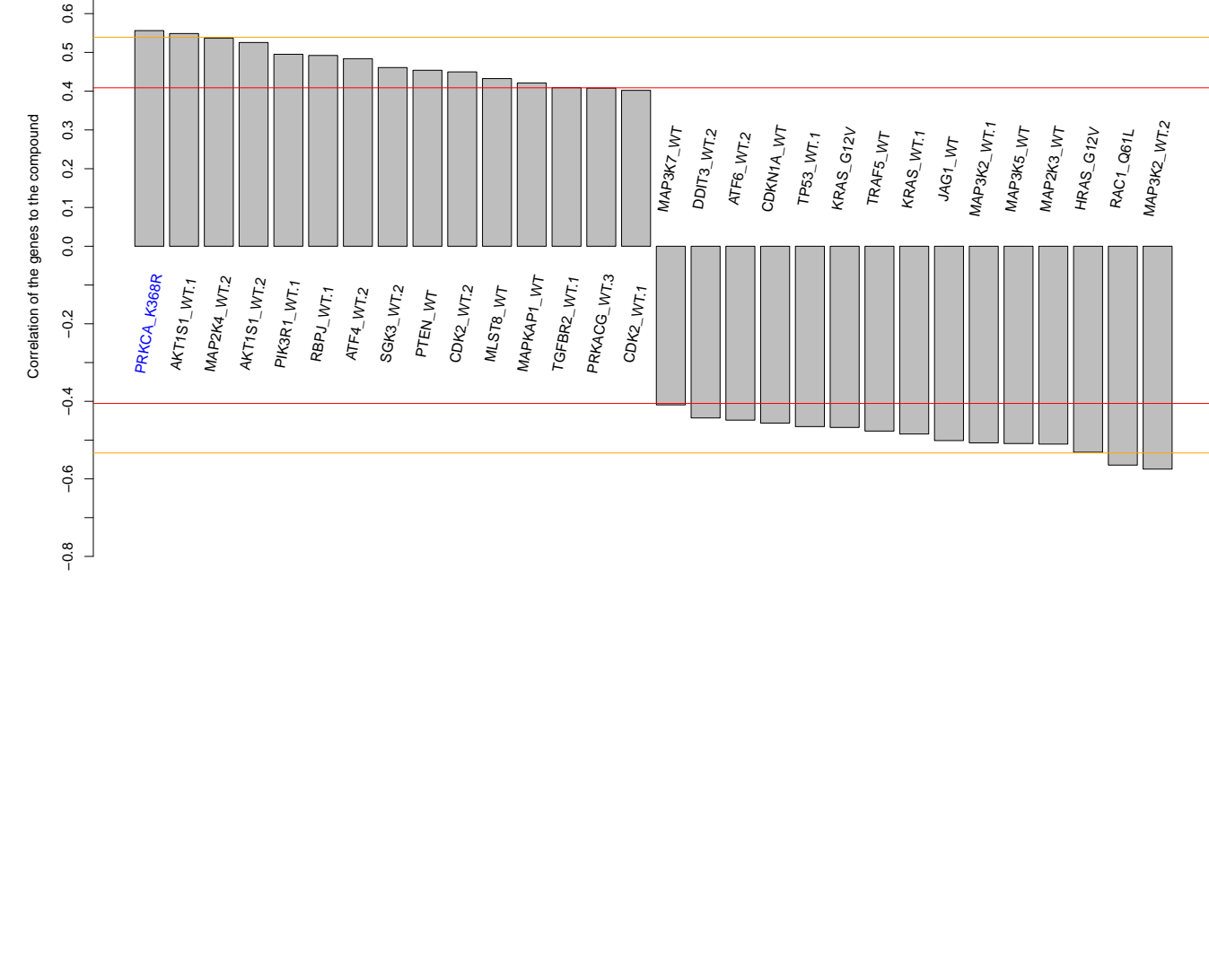
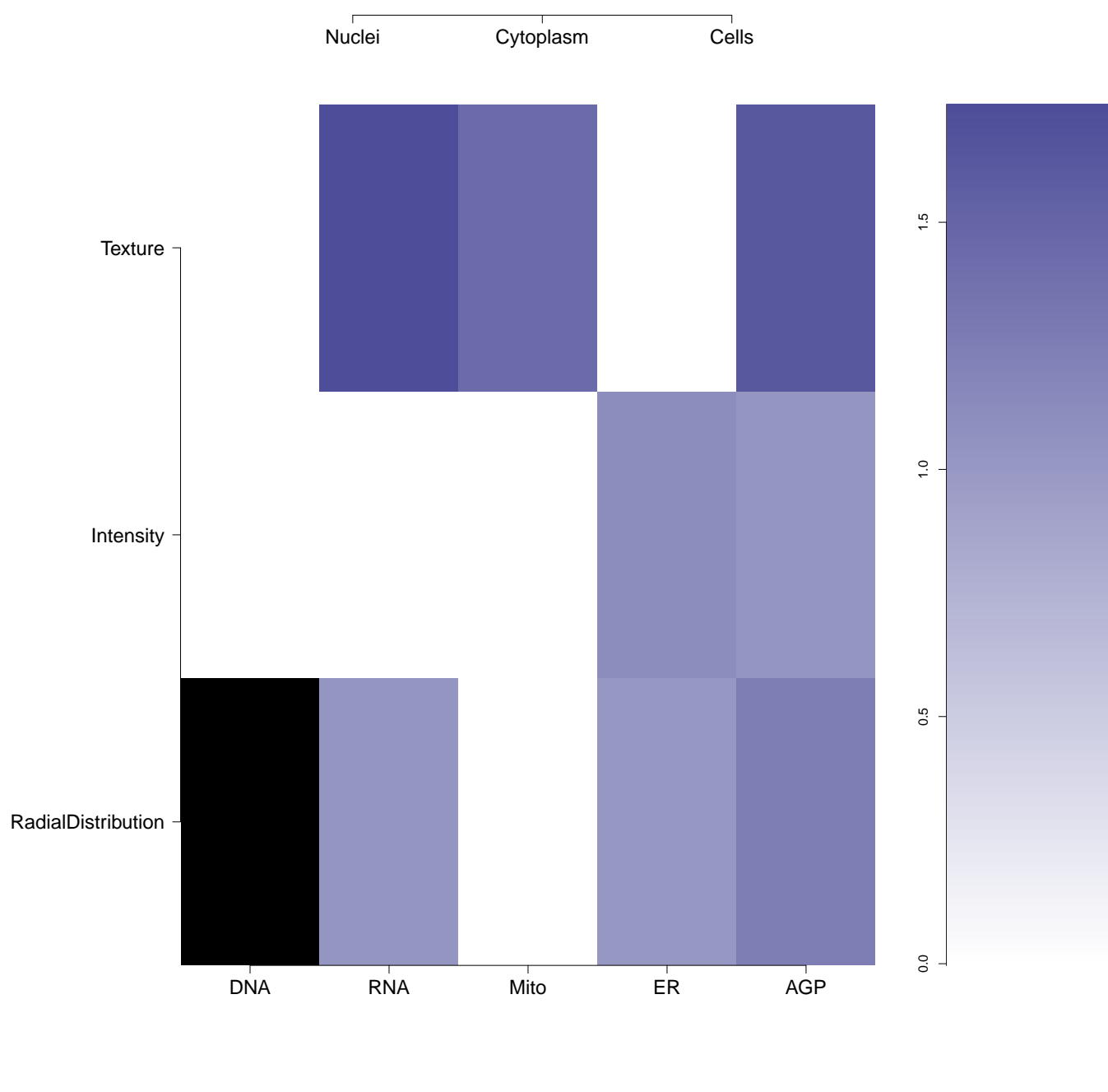

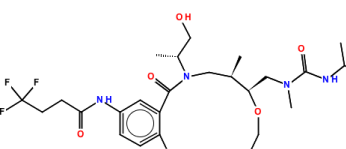
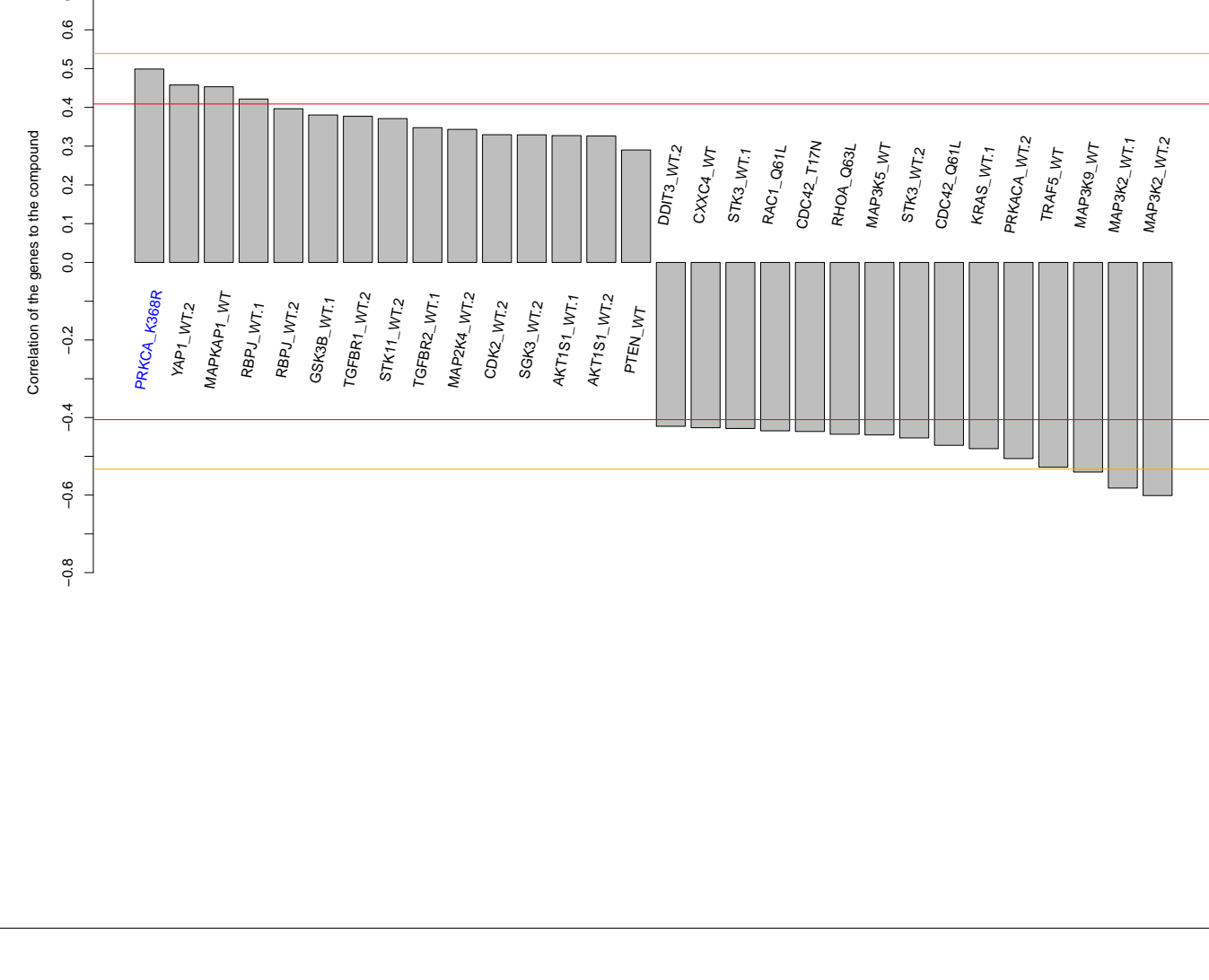
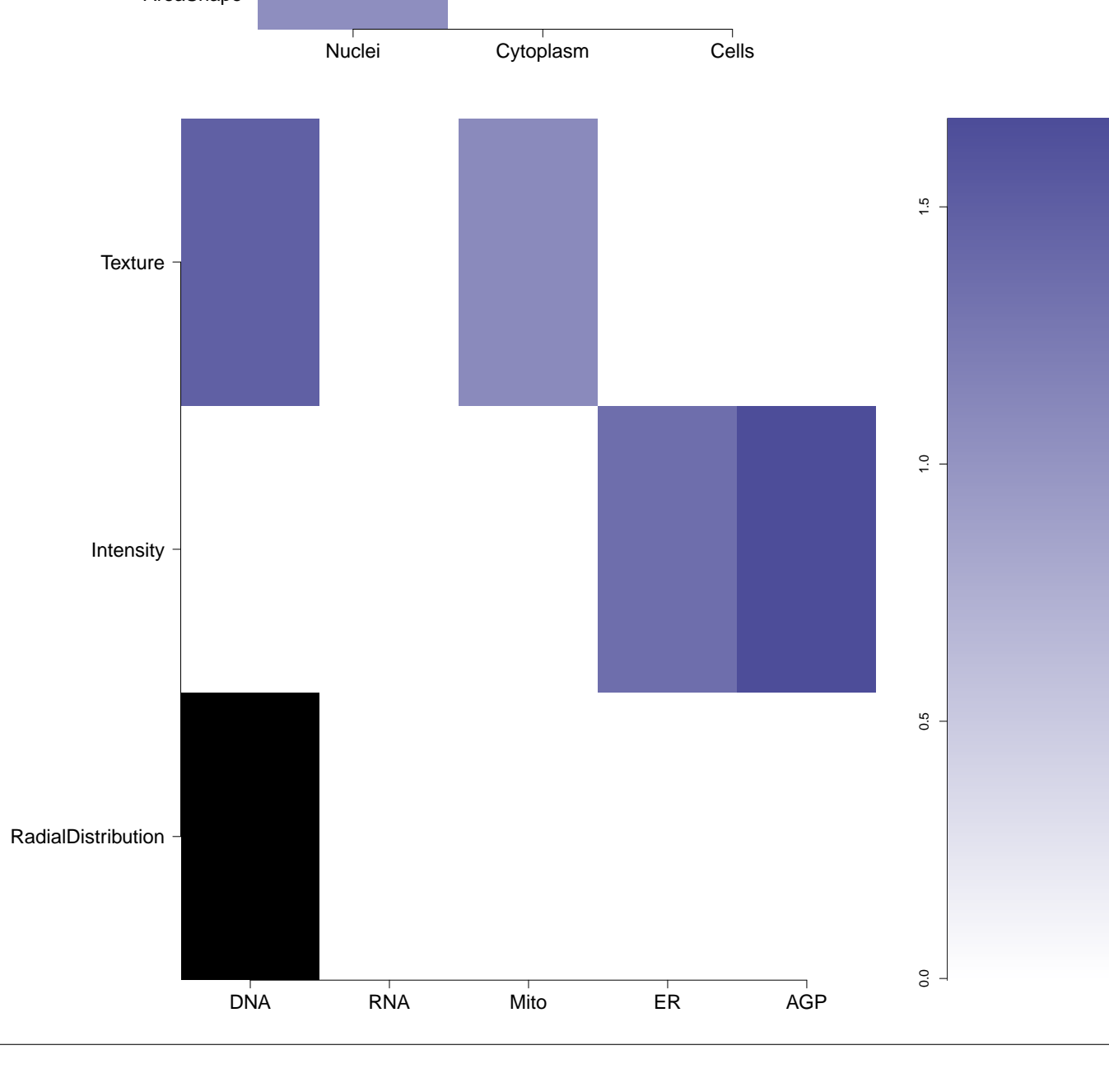



Mito

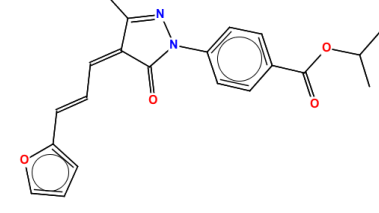
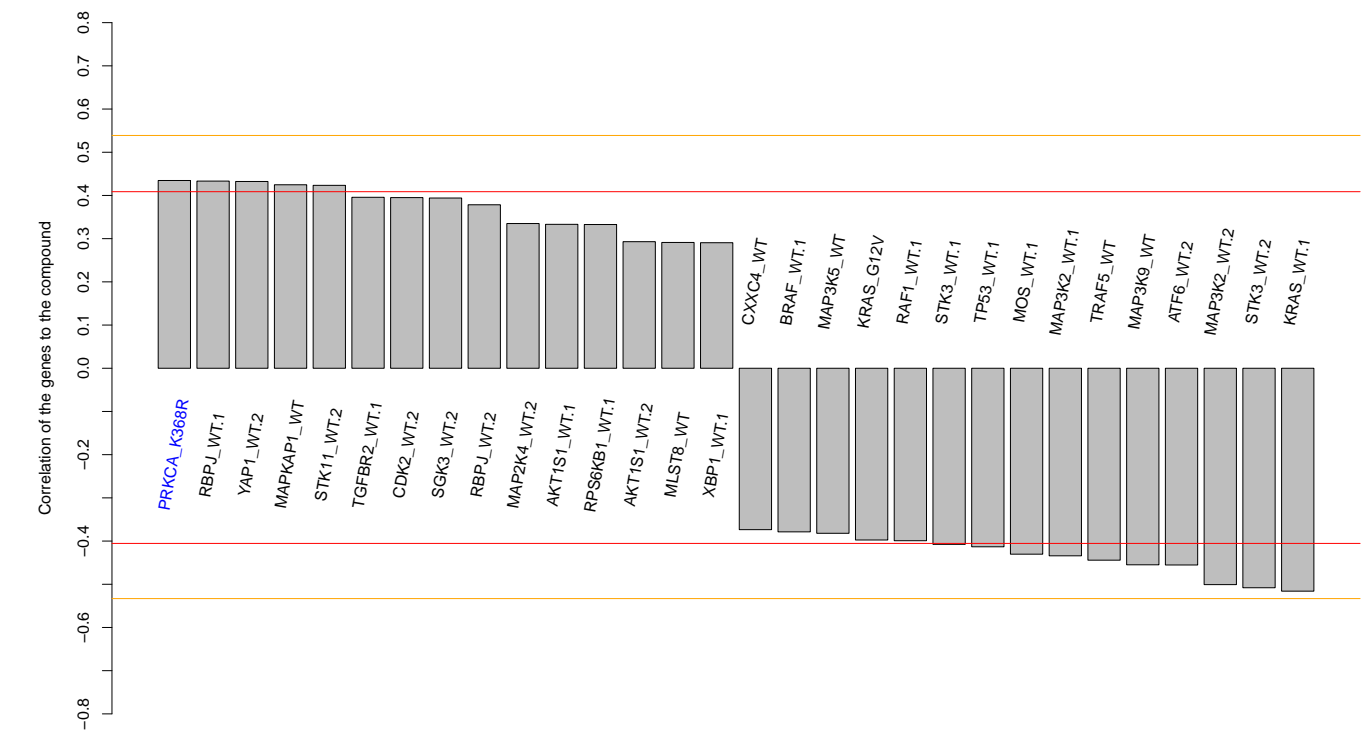
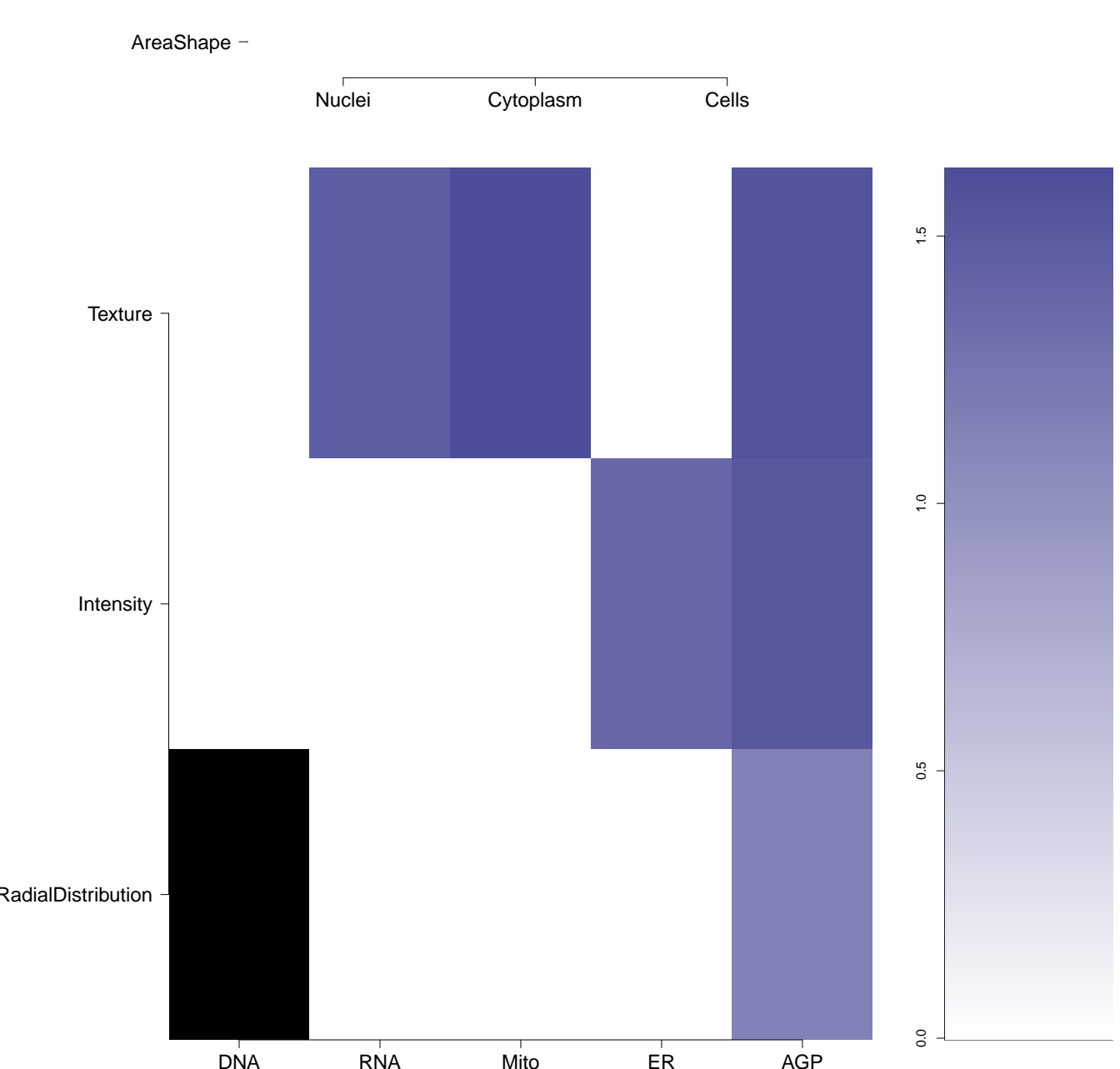
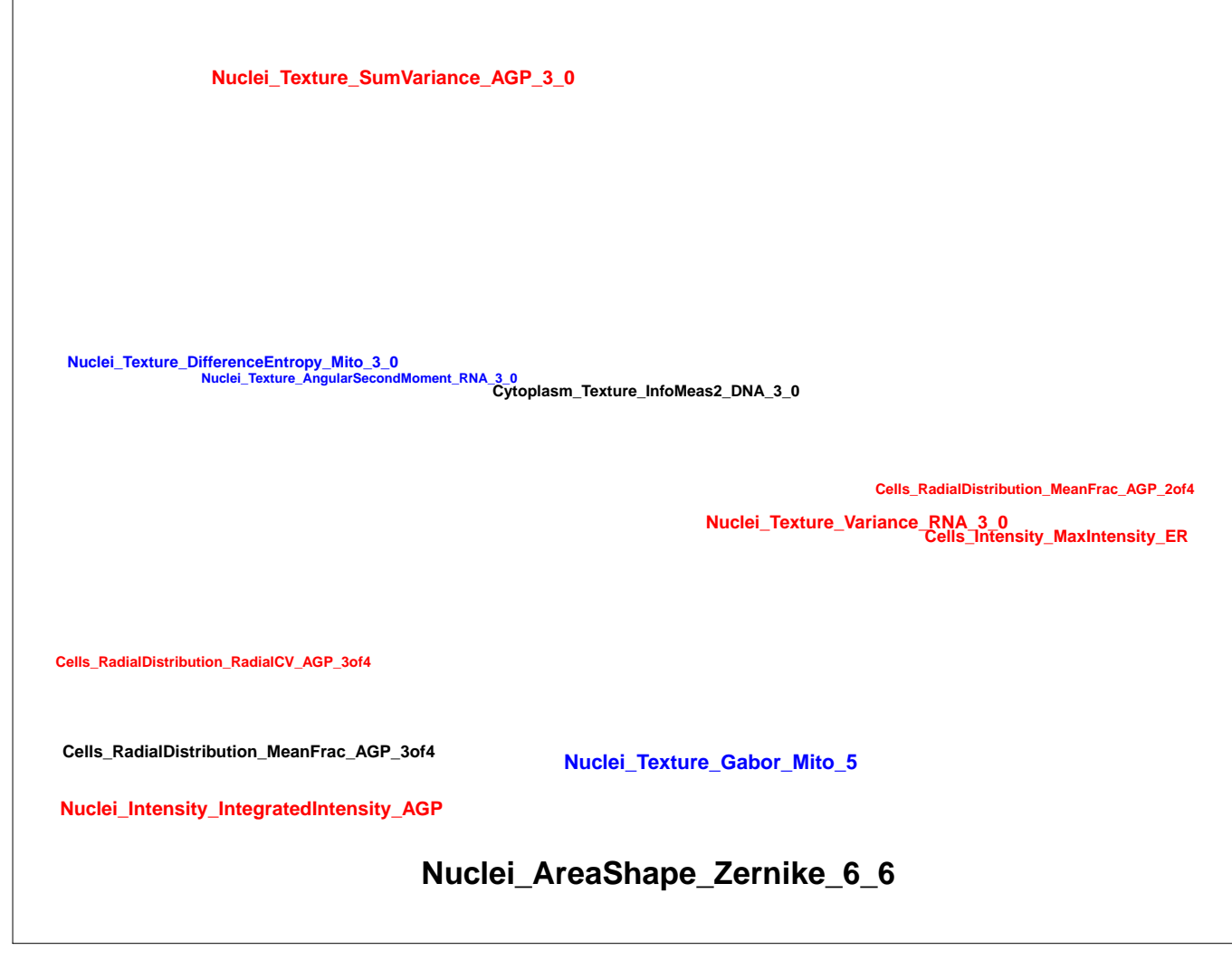
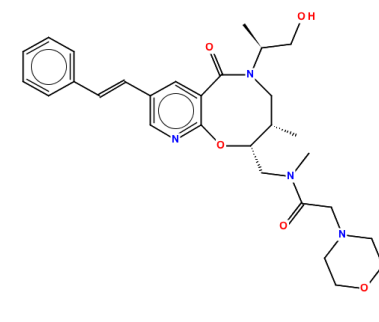
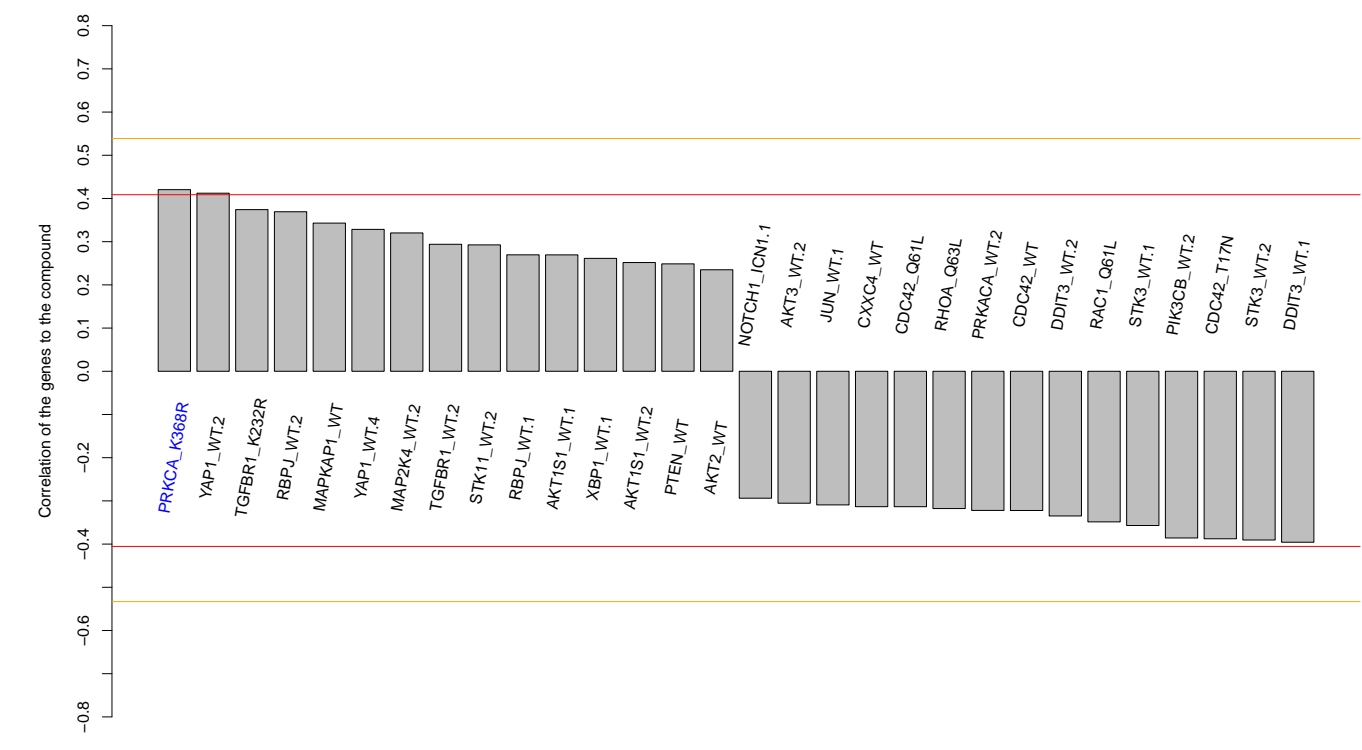
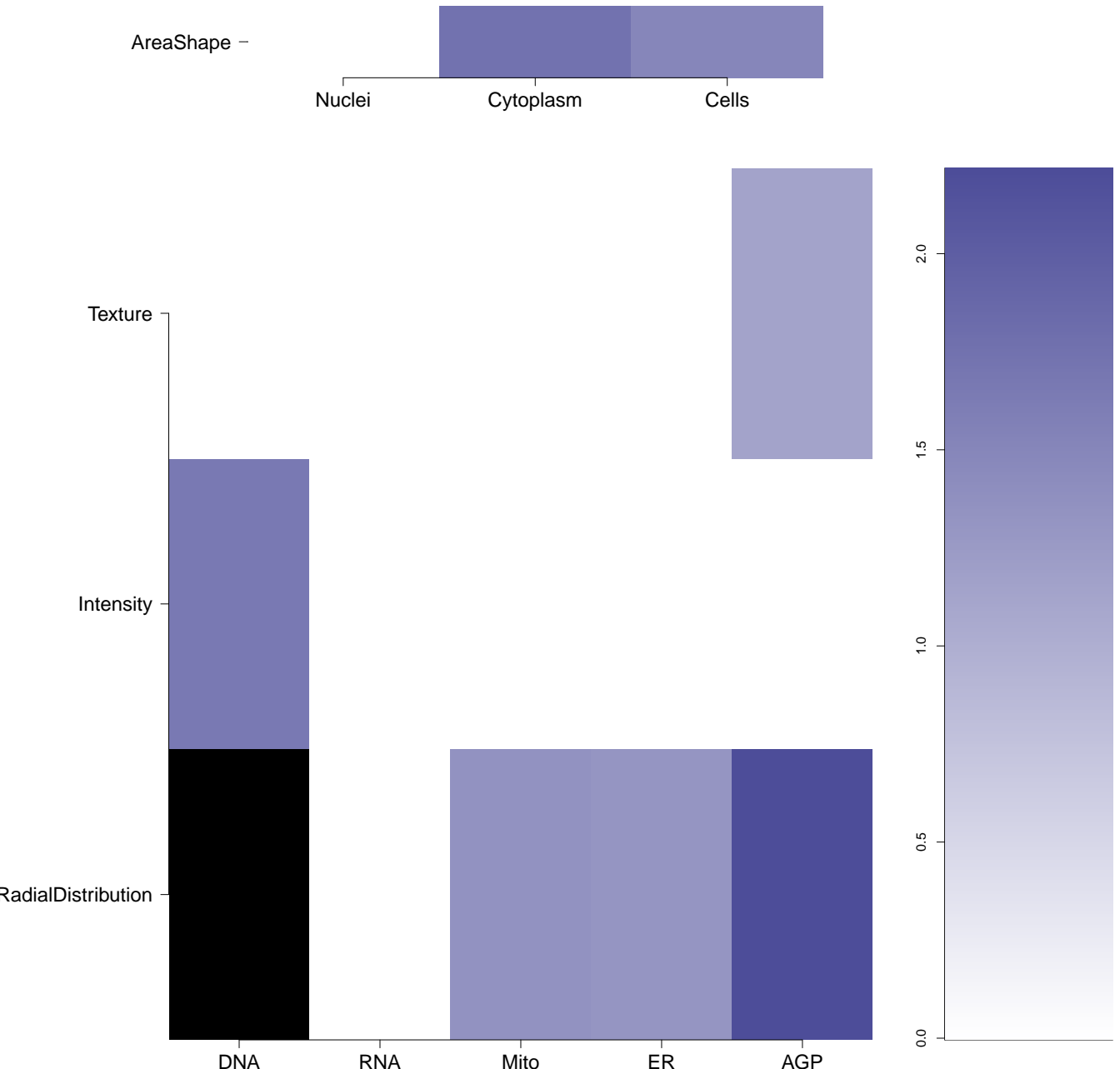

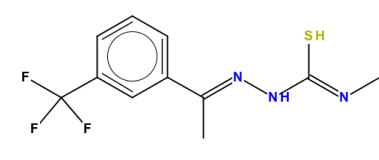
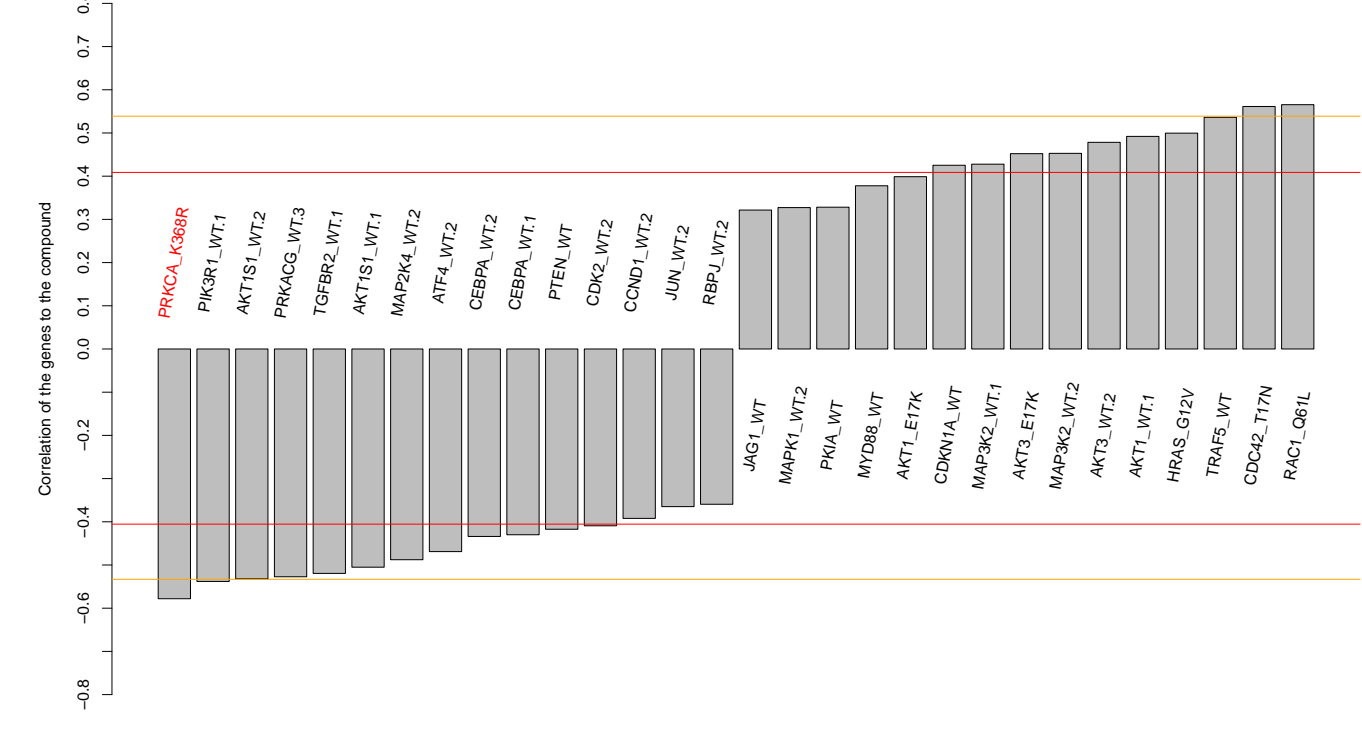
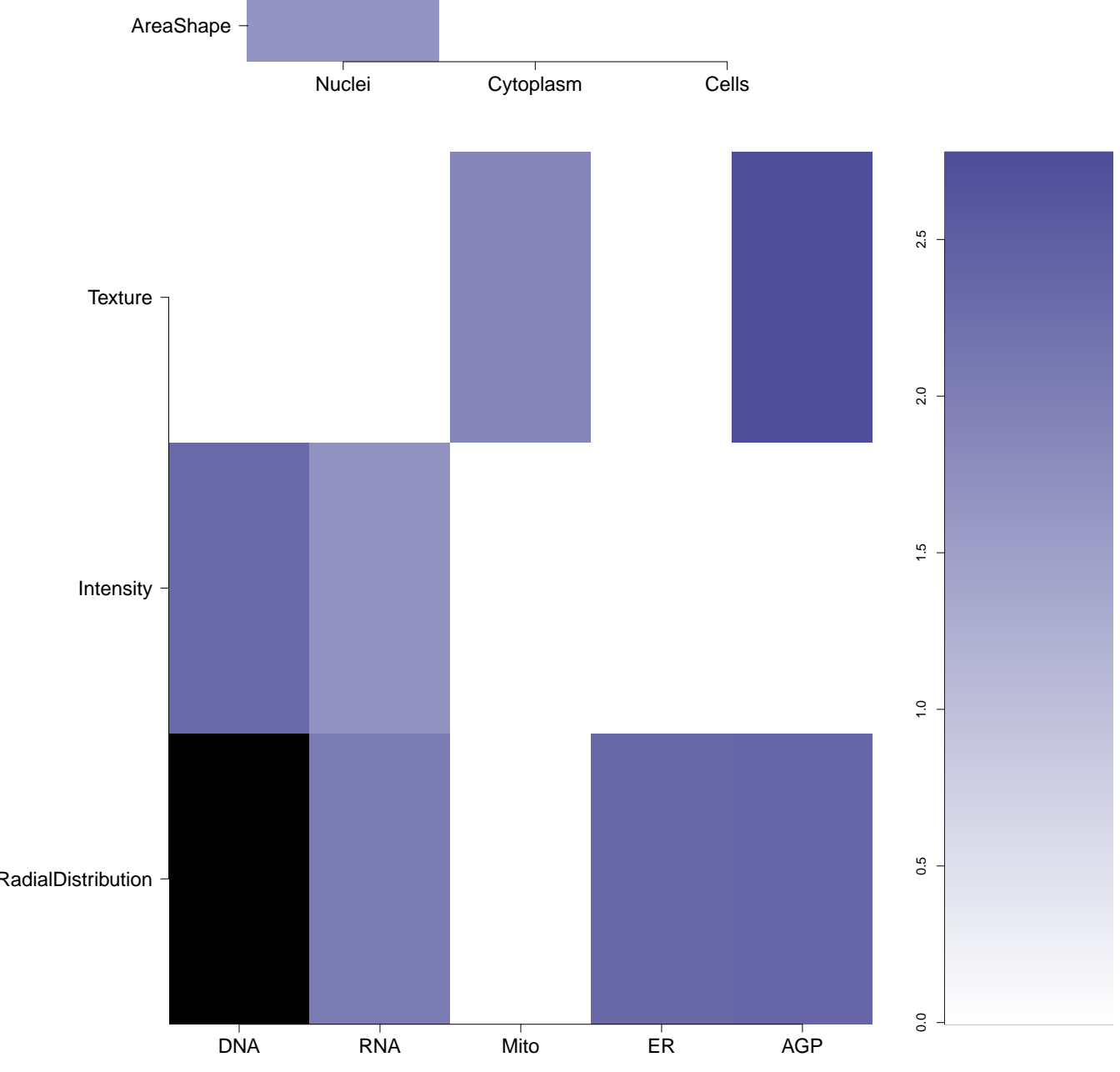

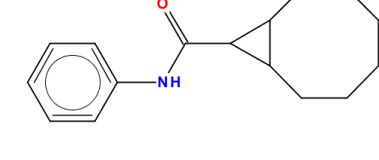
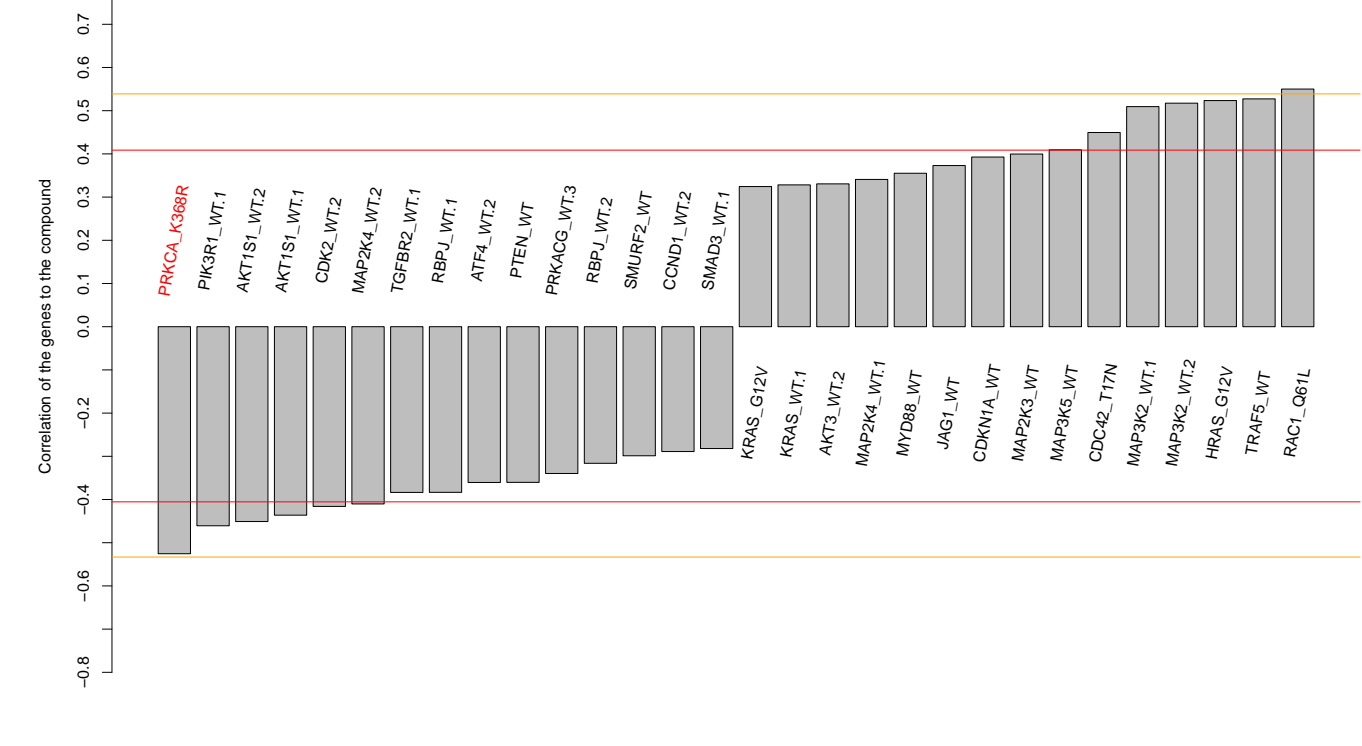
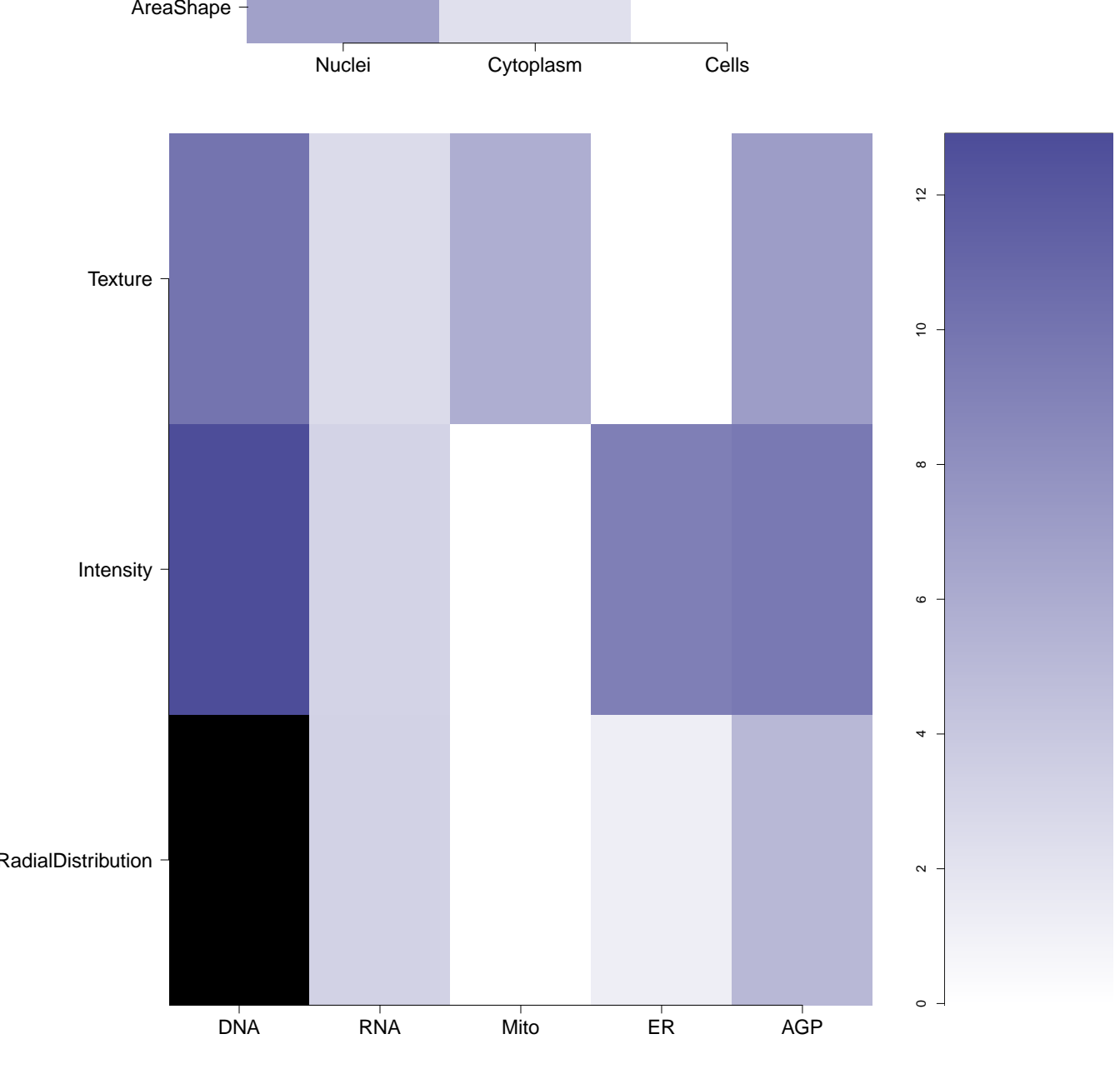
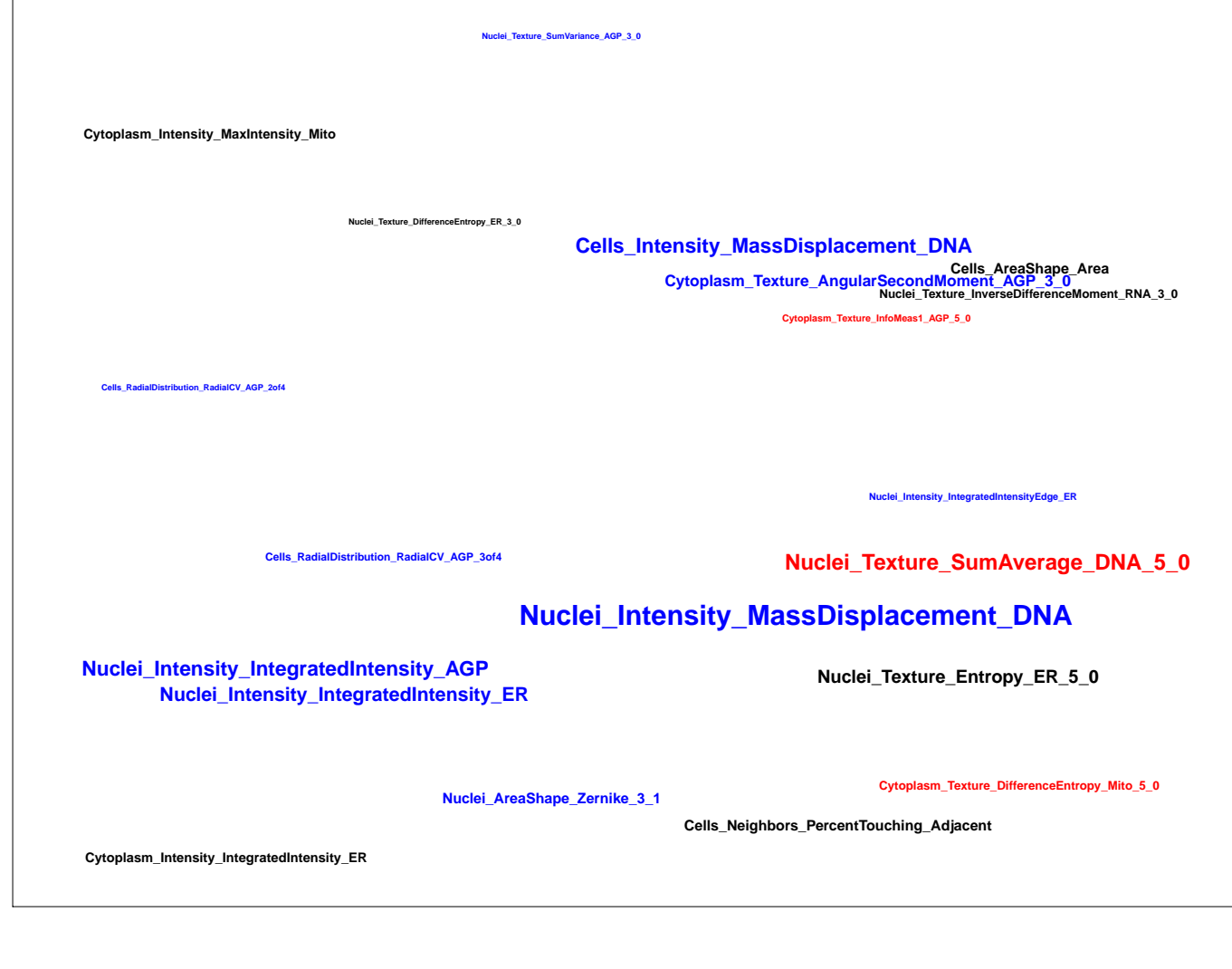
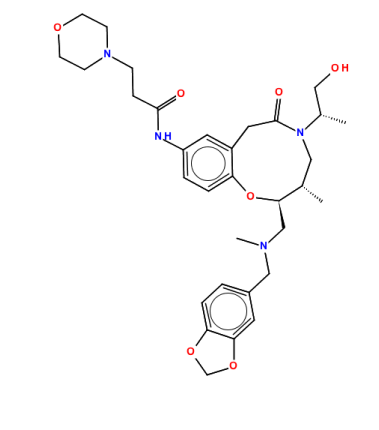
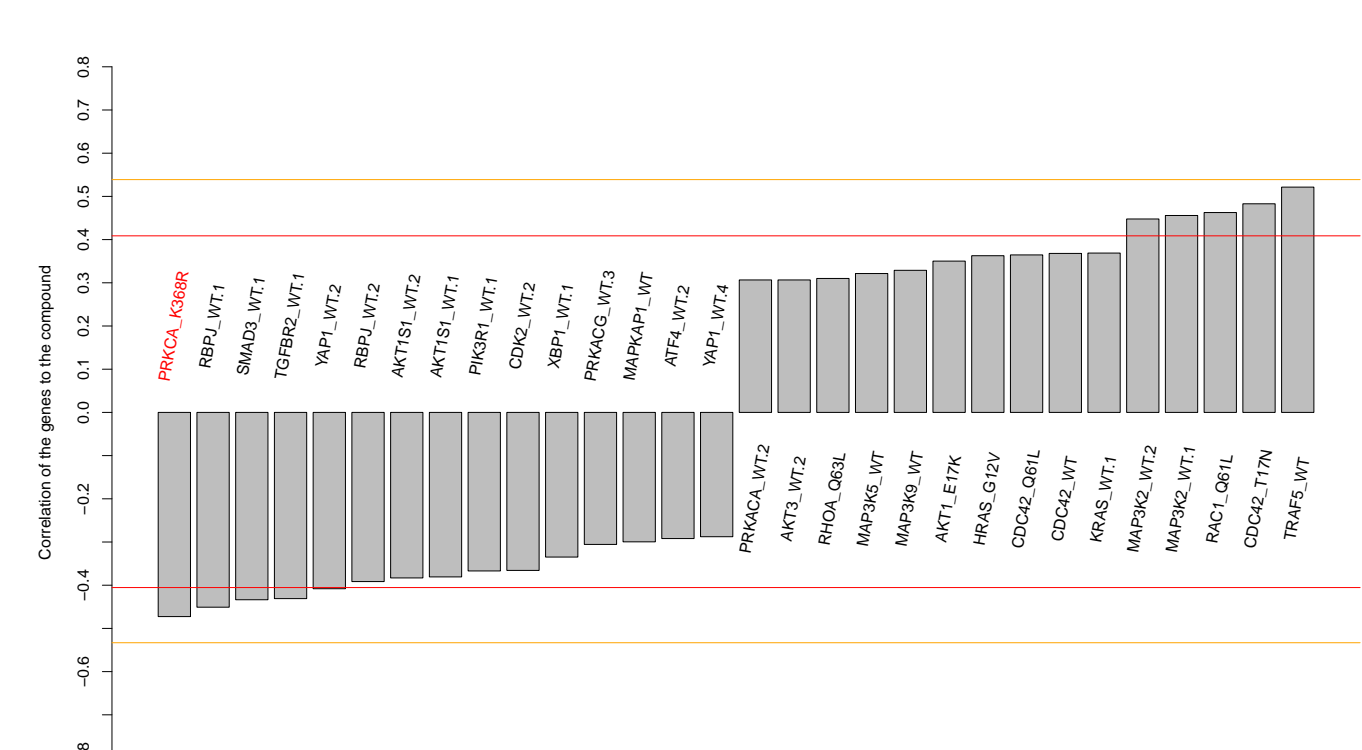
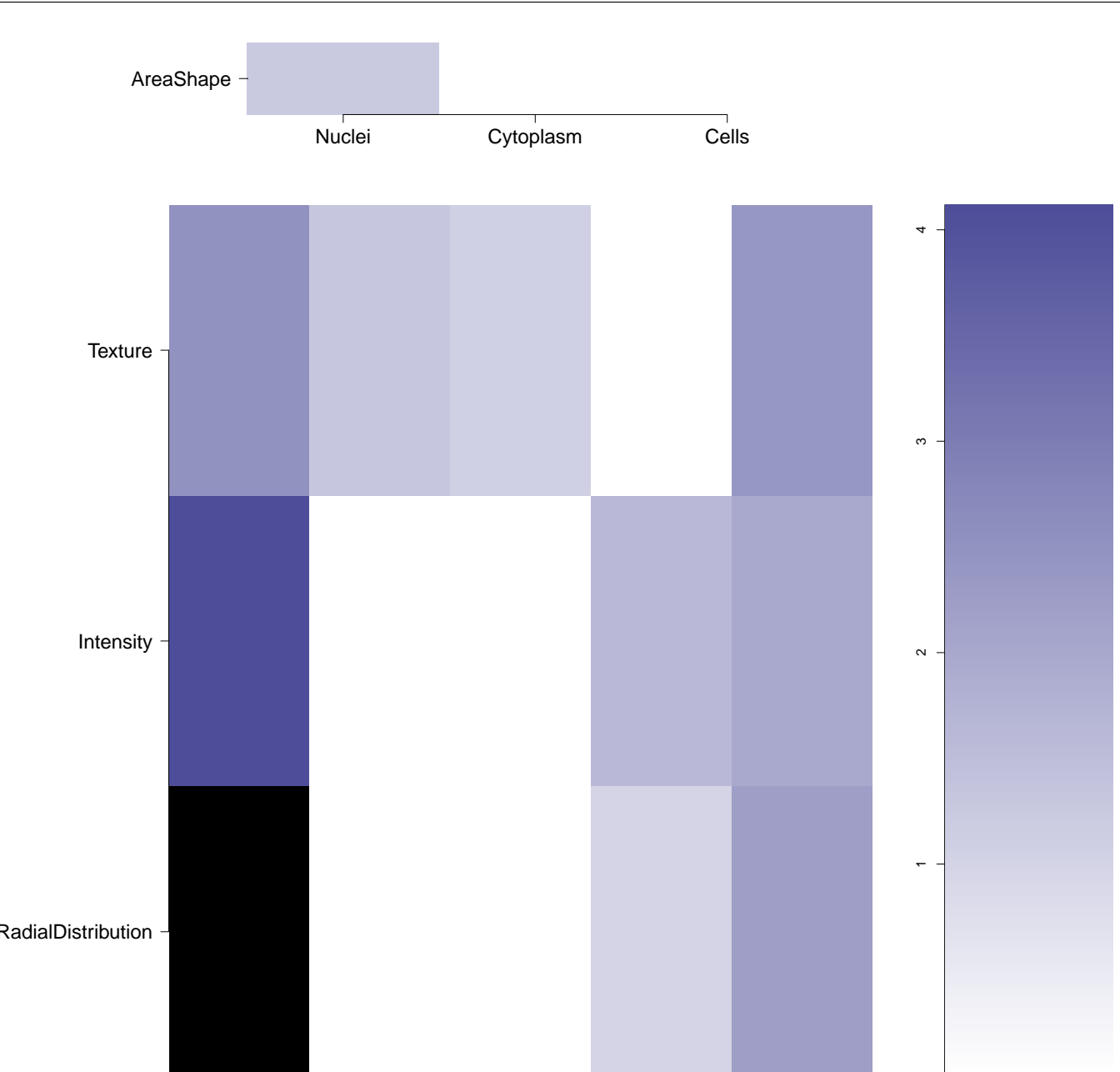
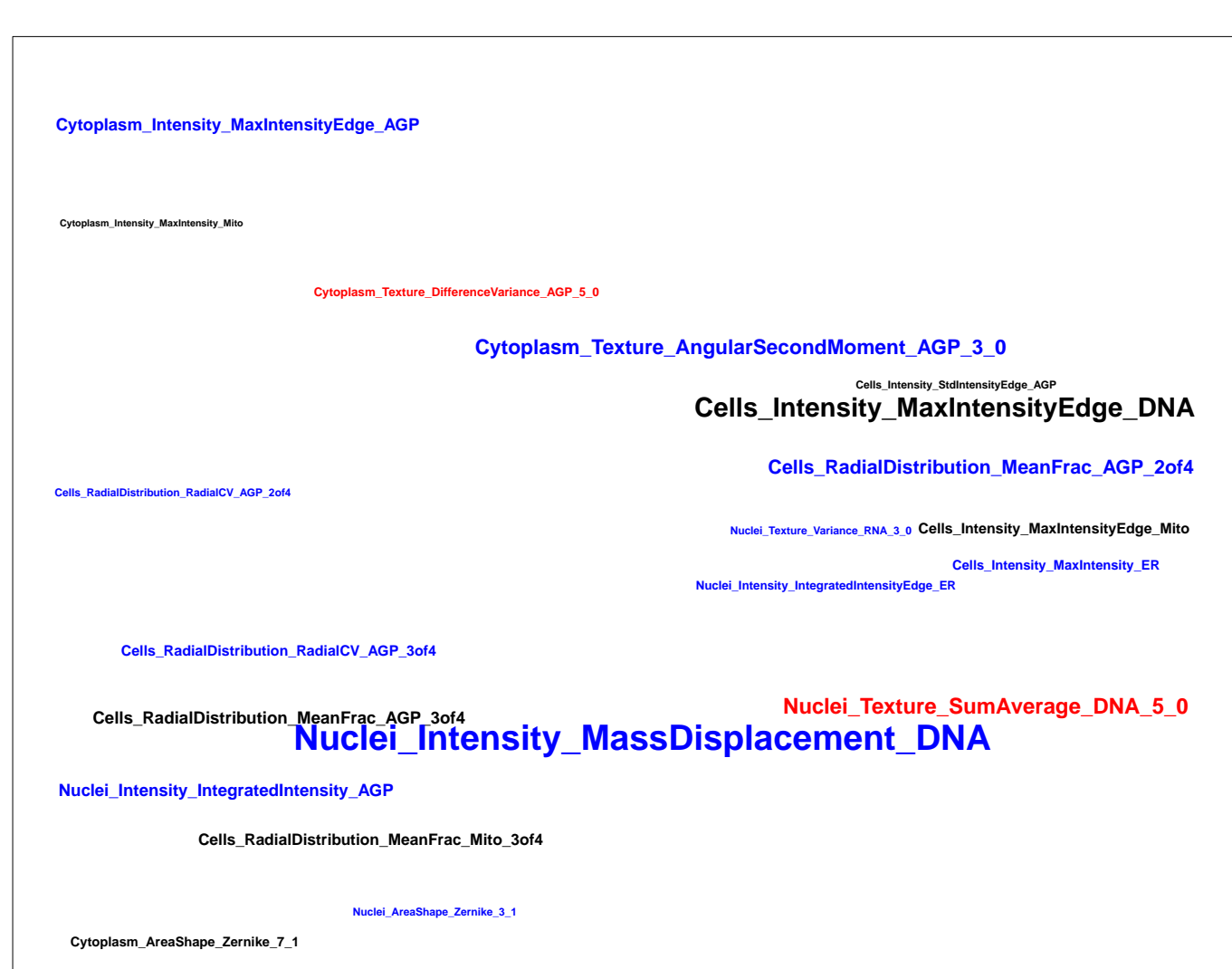
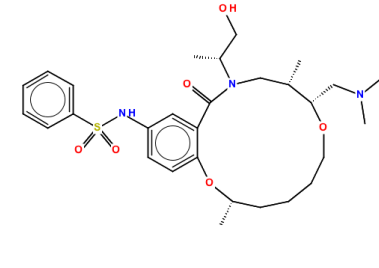
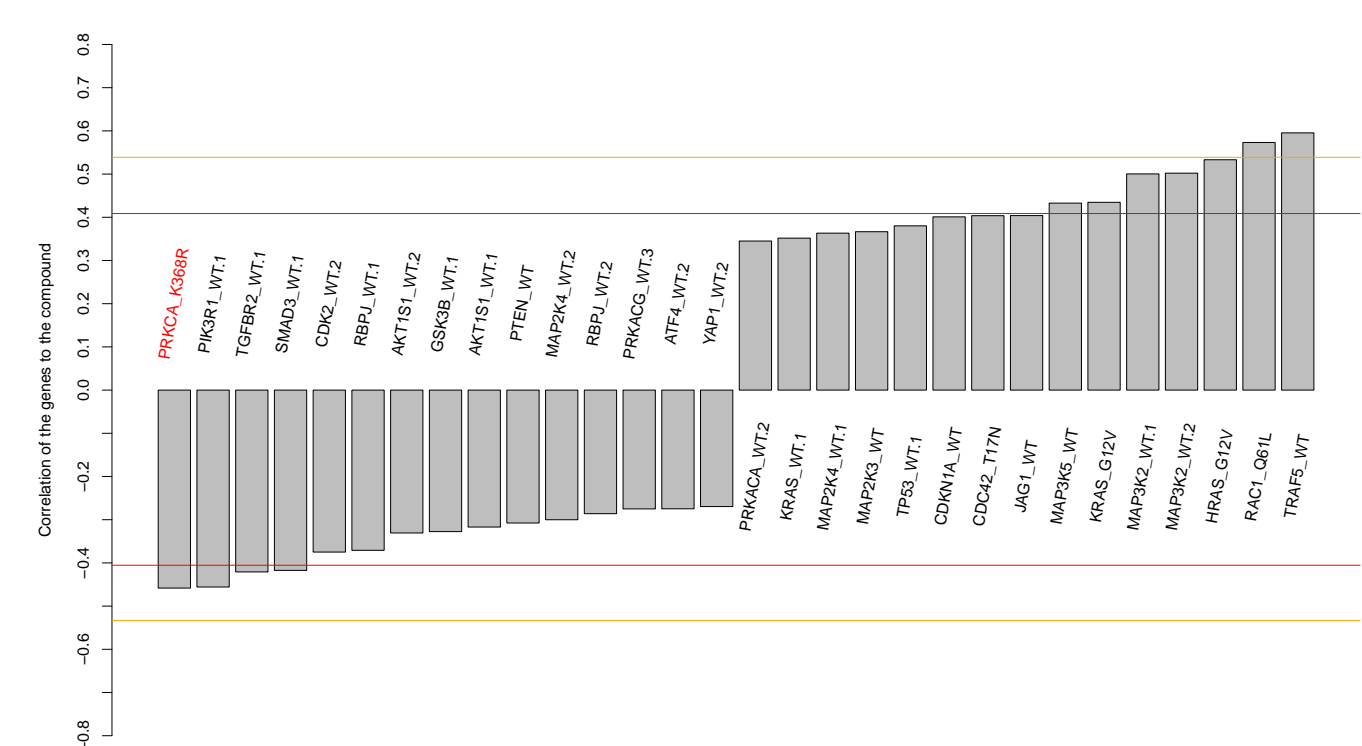
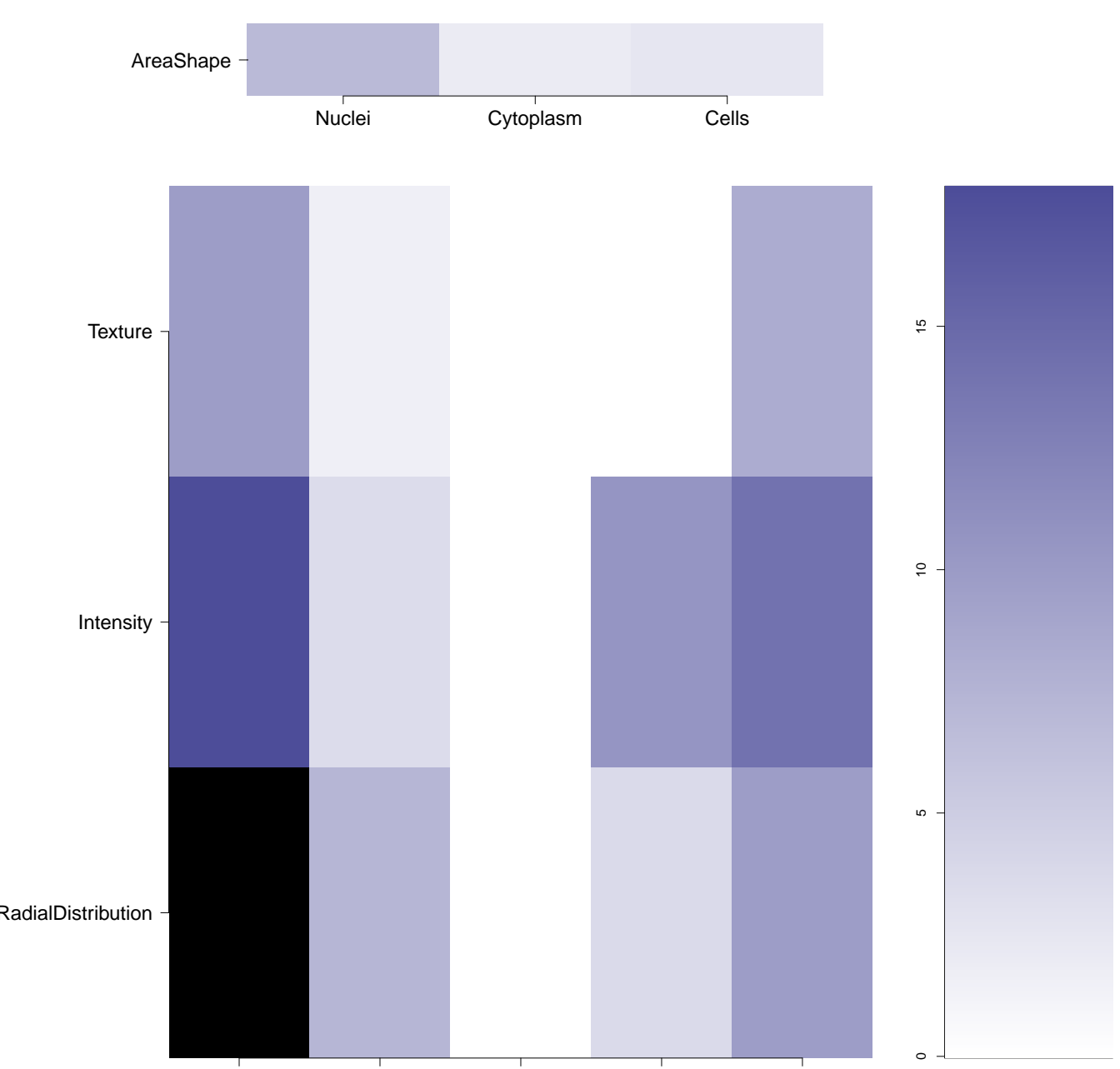



Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.52)	Correlation between compound 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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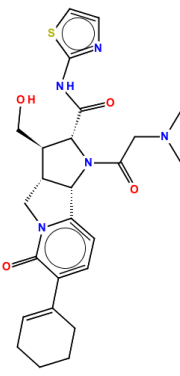


BRD-K08668362-001-01-1 PubChem CID : 54646090		NA (in 1 replicates)	0.71	0.837				Total number of assays tested in: 41.
BRD-K79446376-001-01-0 PubChem CID : 54641206		NA (in 1 replicates)	0.70	NA				Total number of assays tested in: 37.
BRD-K60656884-001-01-0 PubChem CID : 54618107		0.76 (in 4 replicates)	0.62	0.249				Total number of assays tested in: 36.
BRD-K79860574-001-05-3 SMR000002918 ZINC00416157 ACILDAXC MLS000070320 MLS002535715 HMS2465O19 ZINC416157 ASN 04061403 PubChem CID : 645199		NA (in 1 replicates)	0.56	NA				<p>Total number of assays tested in: 768. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Primary Cell-based High Throughput Screening assay for activators of the nuclear receptor Steroidogenic Factor 1 (SF-1) (AID 522)</li> <li>Primary Cell-based High Throughput Screening assay for activators of the Retinoic Acid Receptor-related orphan receptor A (RORA) (AID 560)</li> <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>Discovery of novel allosteric modulators of the M1 muscarinic receptor: Antagonist Primary Screen (AID 628)</li> <li>Profiling the NIH Molecular Libraries Small Molecule Repository: Autofluorescence at 330/460 nm (AID 709)</li> <li>qHTS Assay for Inhibitors of HSD17B4, hydroxysteroid (17-beta) dehydrogenase 4 (AID 893)</li> <li>MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814)</li> <li>qHTS Assay for Modulators of miRNAs and/or Inhibitors of miR-21 (AID 2289)</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>Heat Shock Factor-1 (HSF-1) Measured in Cell-Based System Using Plate Reader - 2038-01 Activator SinglePoint.HTS.Activity (AID 504408)</li> <li>qHTS screen for small molecules that induce genotoxicity in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504466)</li> <li>MTF Measured in Cell-Based System Using Plate Reader - 2084-01 Activator SinglePoint.HTS.Activity (AID 588334)</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>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)</li> <li>qHTS Assay to Identify Small Molecule Activators of BRCA1 Expression (AID 624202)</li> </ul>
BRD-K18337230-001-01-1 PubChem CID : 44492103		0.61 (in 4 replicates)	0.50	NA				Total number of assays tested in: 43.



BRD-K54015635-001-05-0 AC1OIZSG SMR000115271 MLS000549001 HMS2412124 ZINC4658831 PubChem CID : 7311763		0.59 (in 3 replicates)	0.43	NA				<p>Total number of assays tested in: 680. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Leishmania major promastigote HTS (AID 1063)</li> <li>qHTS Assay for Inhibitors of Influenza NS1 Protein Function (AID 2326)</li> <li>uHTS identification of small molecule antagonists of the APJ receptor via a luminescent beta-arrestin assay (AID 2521)</li> <li>qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)</li> <li>High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553)</li> <li>Single concentration confirmation of uHTS hits from a small molecule antagonists of the APJ receptor via a luminescent beta-arrestin assay (AID 2766)</li> <li>qHTS Assay for Inhibitors of DNA Polymerase Beta (AID 485314)</li> <li>qHTS Assay for the Inhibitors of L3MBTL1 (AID 485360)</li> <li>Second specificity screen against TRPC4 for compounds that modulate transient receptor potential cation channel C6 (TRPC6) (AID 48828)</li> <li>qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)</li> <li>qHTS Assay for Inhibitors of BAZ2B (AID 504333)</li> <li>qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339)</li> <li>Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 48 hour incubation (AID 504832)</li> <li>Countercreen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483)</li> <li>qHTS for Inhibitors of KCHN2 3.1: Wildtype qHTS (AID 720551)</li> <li>qHTS for Inhibitors of KCHN2 3.1: Mutant qHTS (AID 720553)</li> </ul>
BRD-K20644549-001-01-2 PubChem CID : 54619394		0.63 (in 4 replicates)	0.42	0.645				<p>Total number of assays tested in: 22.</p>
BRD-K03796490-001-05-1 T0509-9695 MLS001003678 HMS1763D10 ZINC6374094 SMR000347571 PubChem CID : 9622493		NA (in 1 replicates)	-0.58	NA				<p>Total number of assays tested in: 638. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Primary Screen (AID 1456)</li> <li>Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Secondary Assay 3 with KCC2 cells (AID 1714)</li> <li>Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counter-screen with HEK cells (AID 1716)</li> <li>Identification of Novel Modulators of Cl- dependent Transport Process via HTS: Counter-screen 2 with HEK cells (AID 1718)</li> <li>VP16 countercreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546)</li> <li>qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)</li> </ul>
BRD-A02131228-001-05-3 AC1NRXSV MLS000666012 HMS2606H24 SMR000268939 PubChem CID : 5350170		0.53 (in 4 replicates)	-0.53	NA				<p>Total number of assays tested in: 620. Active in the following assays:</p> <ul style="list-style-type: none"> <li>HTS Colorimetric assay for the identification of compounds that inhibit VHR1 (AID 1992)</li> <li>Cyclodextride Countercreen 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 PLK1-PDB (polo-like kinase 1 - polo-box domain): Primary Screen (AID 720504)</li> <li>qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)</li> </ul>
BRD-K64329997-001-01-4 PubChem CID : 44502652		0.61 (in 3 replicates)	-0.47	0.211				<p>Total number of assays tested in: 45.</p>
BRD-K98496939-001-01-2 PubChem CID : 44619018		0.87 (in 4 replicates)	-0.46	0.208				<p>Total number of assays tested in: 23.</p>

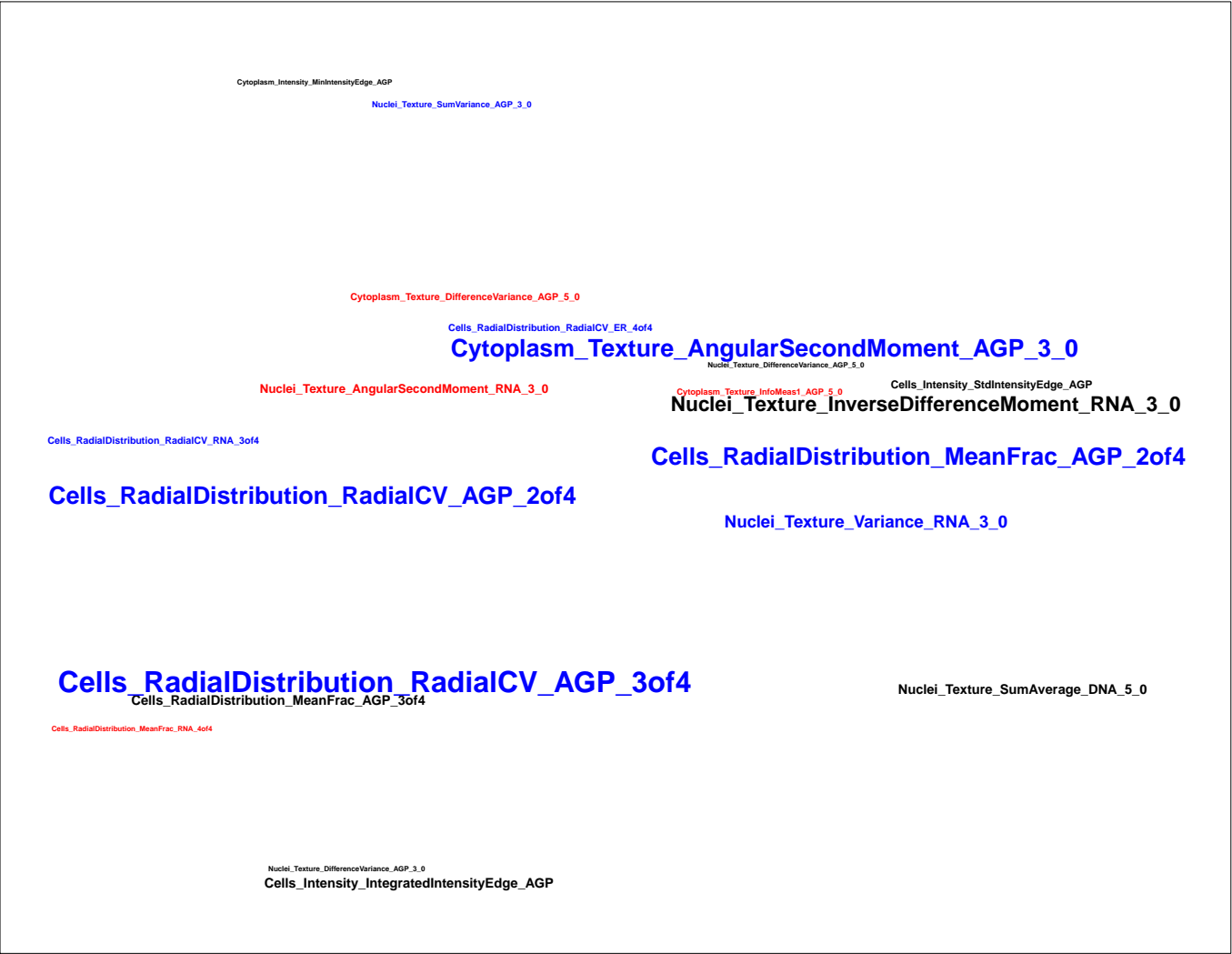
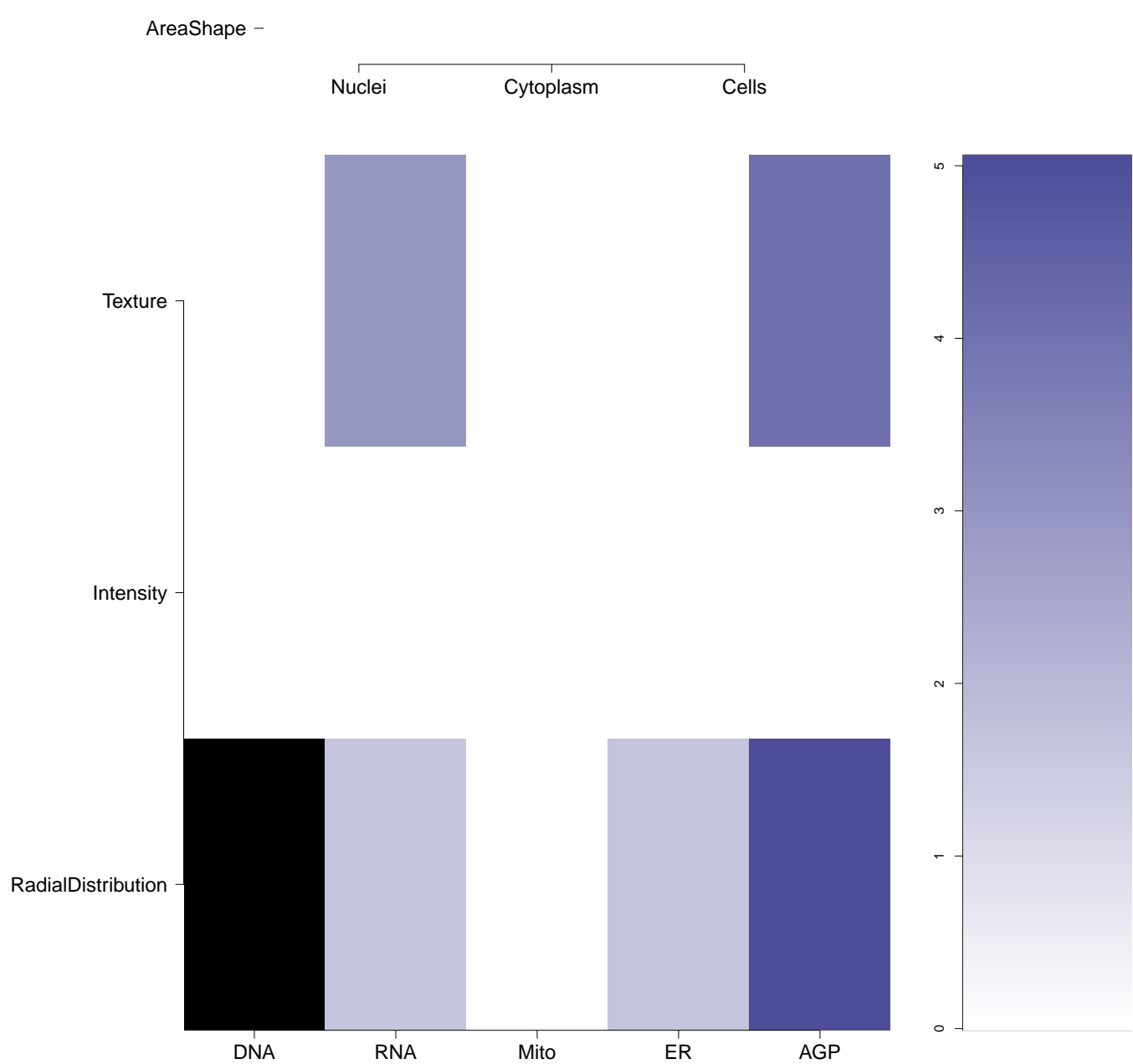
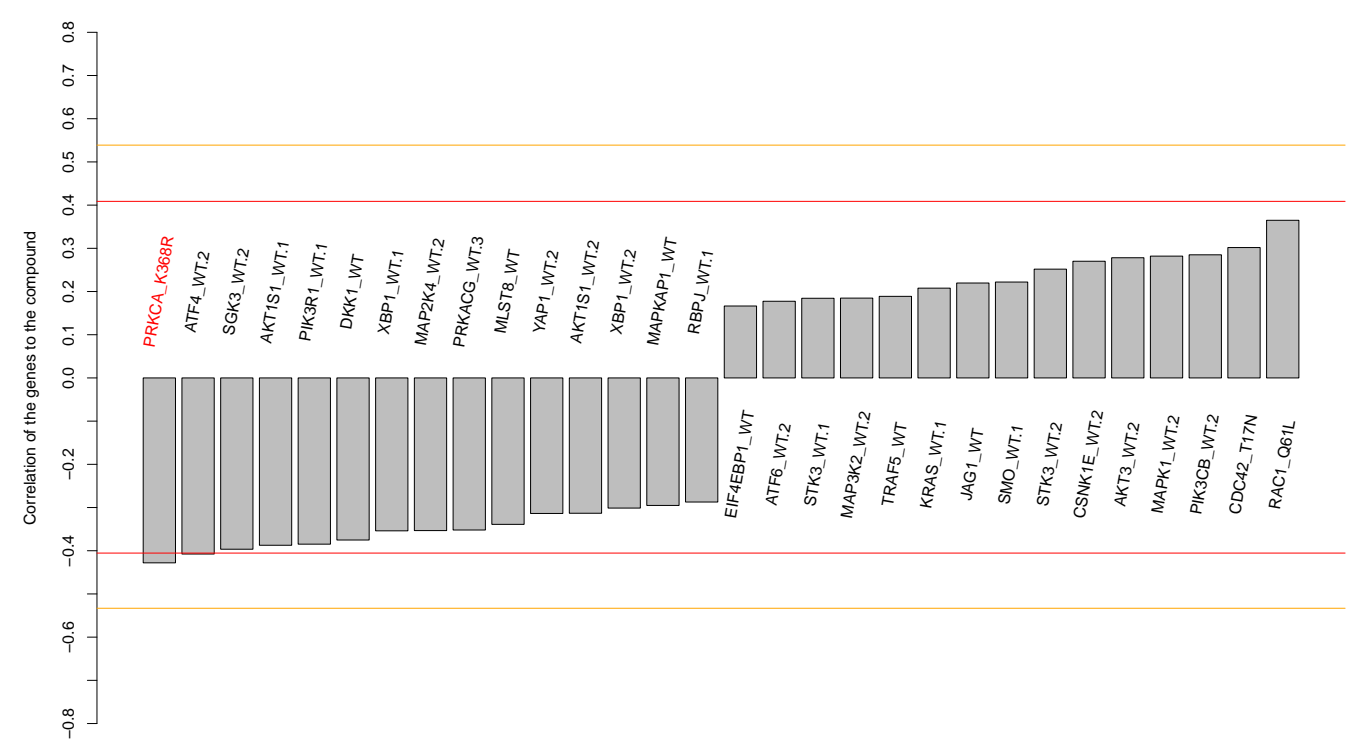
BRD-K10777286-001-01-9  
PubChem CID : 54660666



0.72 (in 4 replicates)

-0.43

NA



Total number of assays tested in: 32.