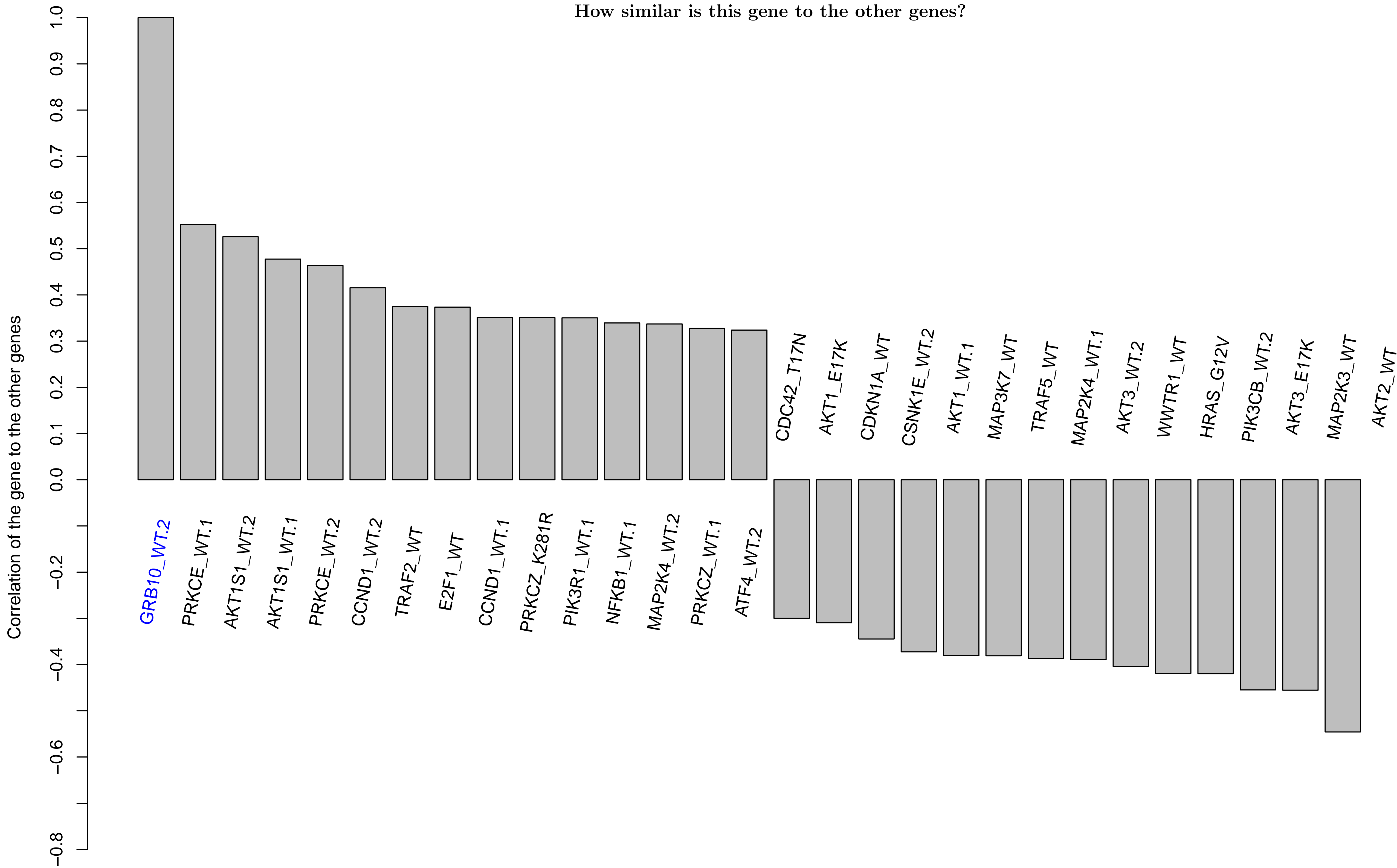
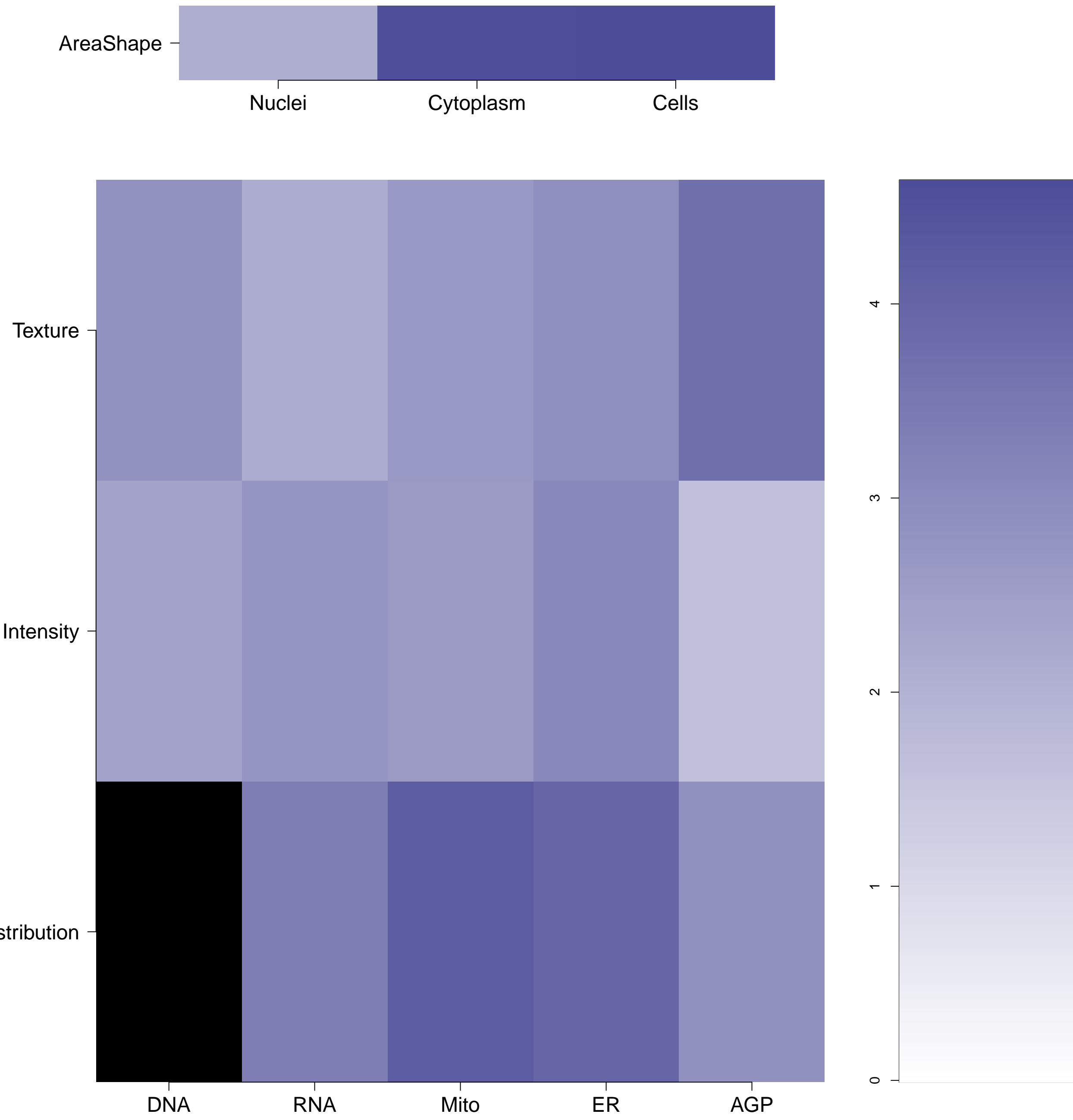


GRB10.WT.2 - in Canonical Insulin Receptor Signaling

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

GRB10.WT.2 (41744)

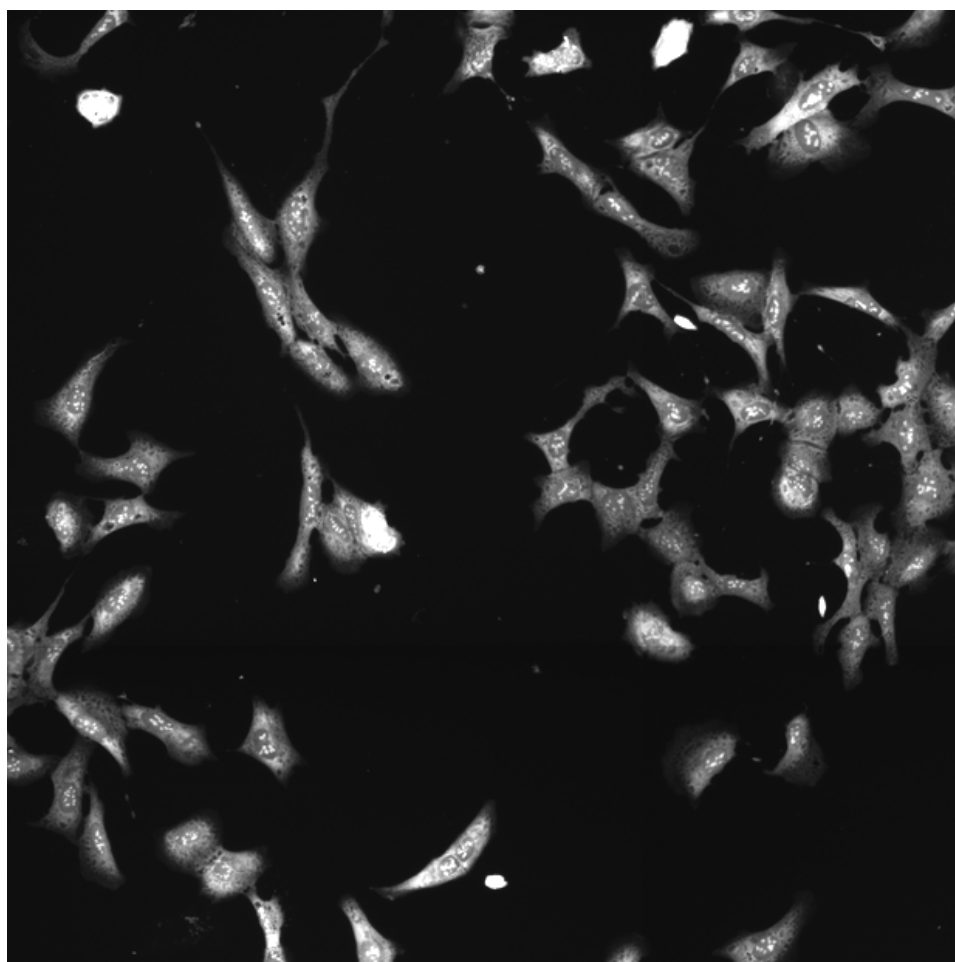
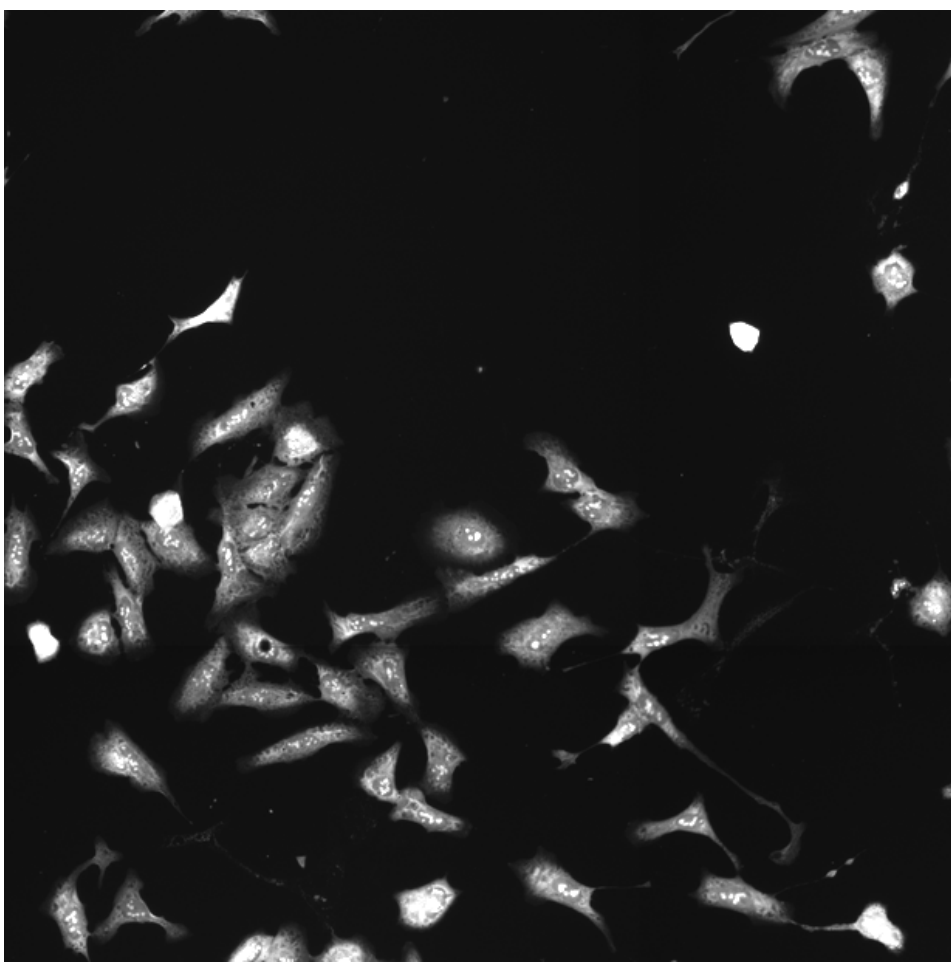
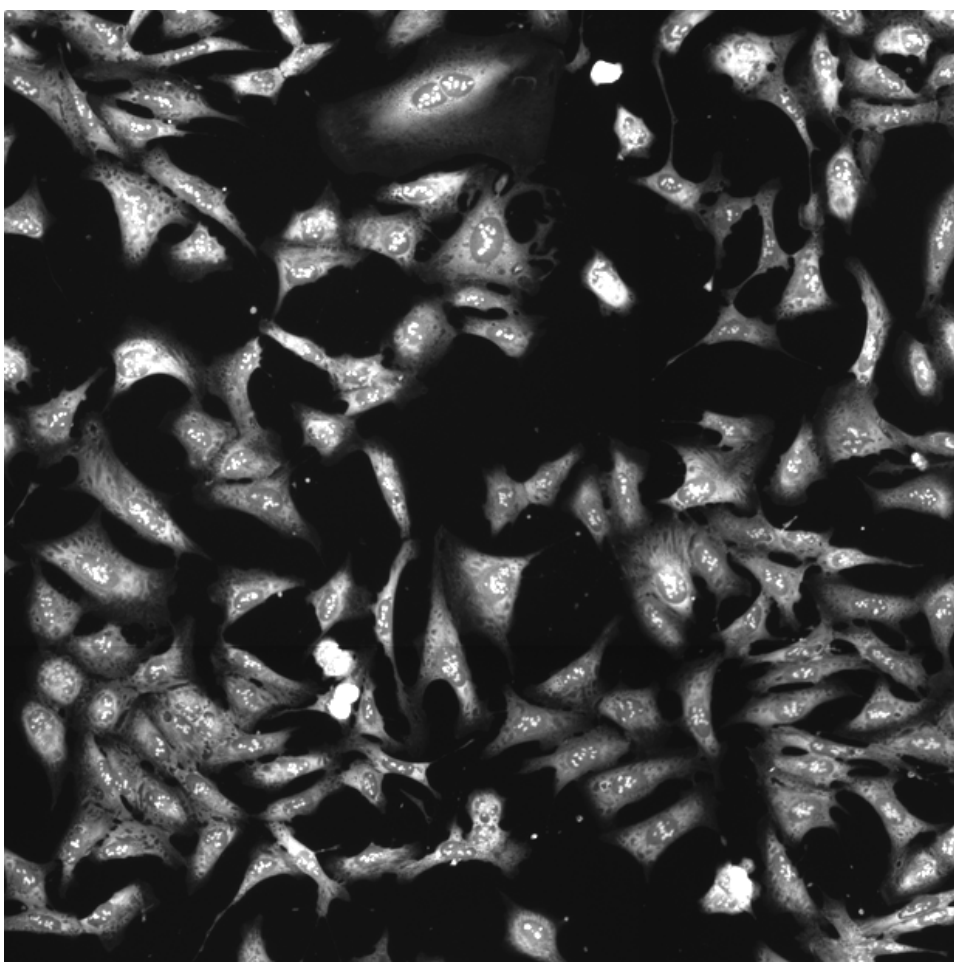
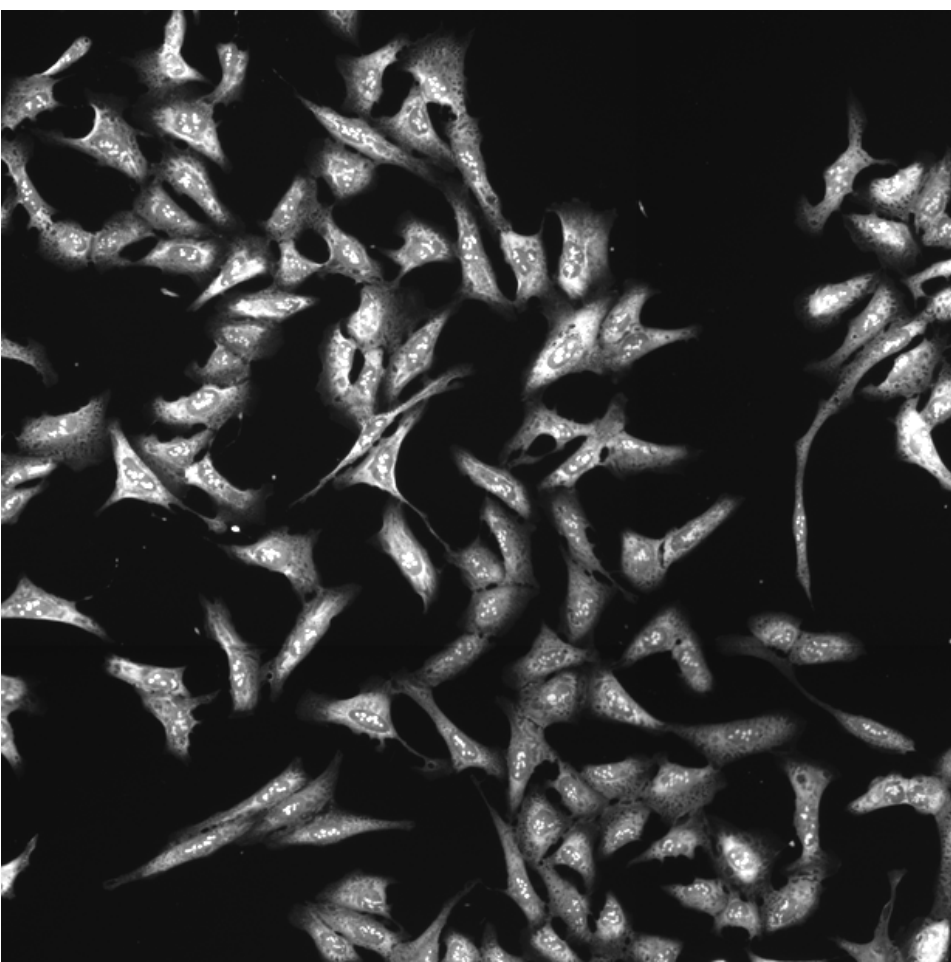
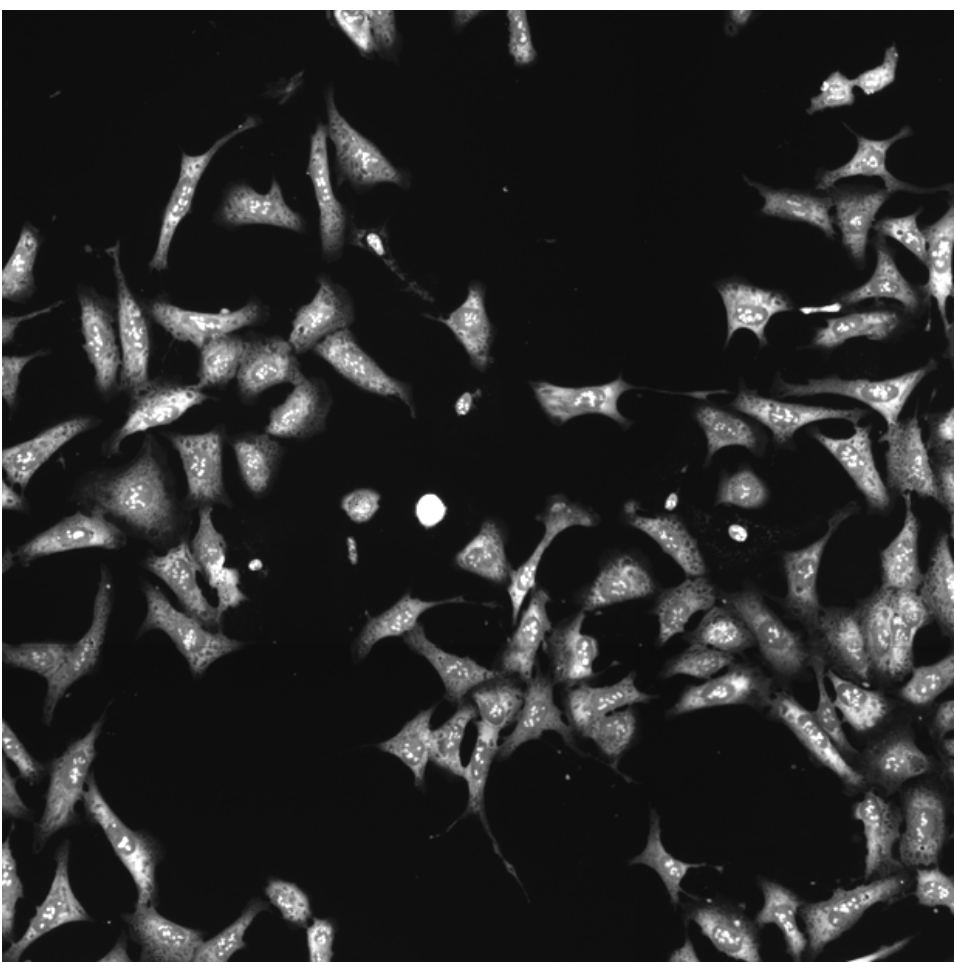
GRB10.WT.2 (41755)

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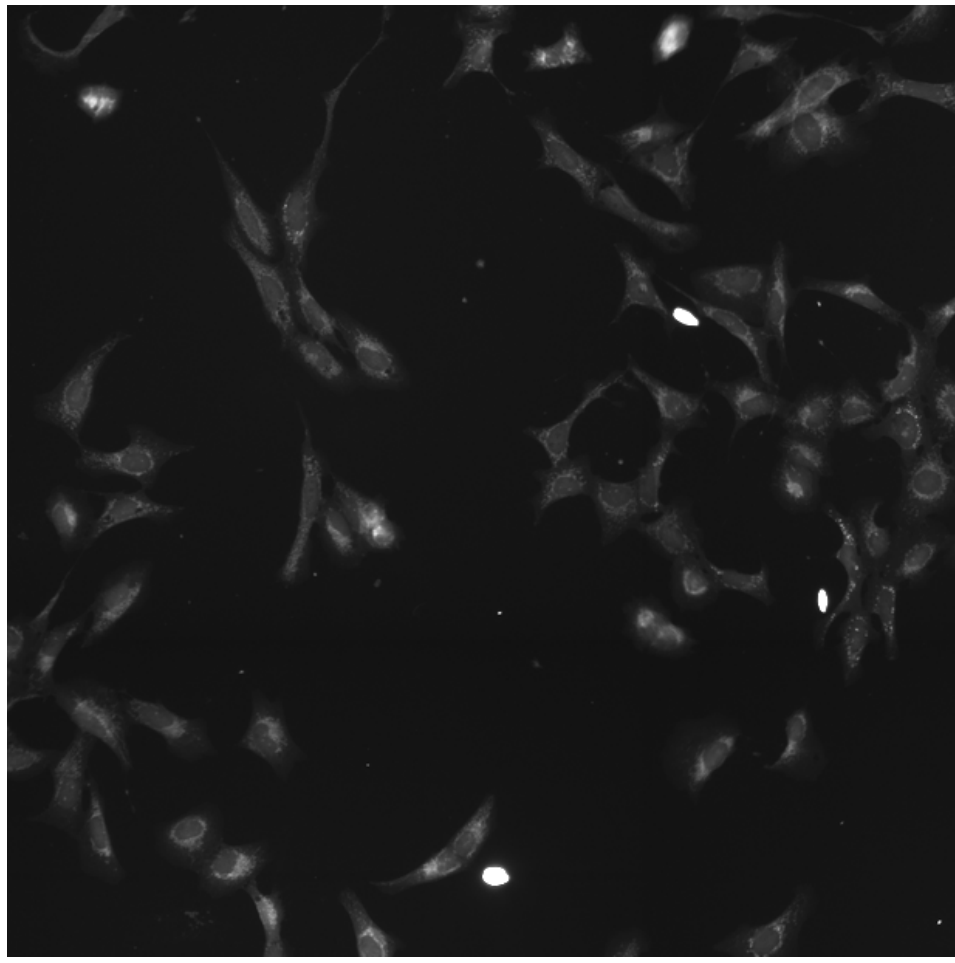
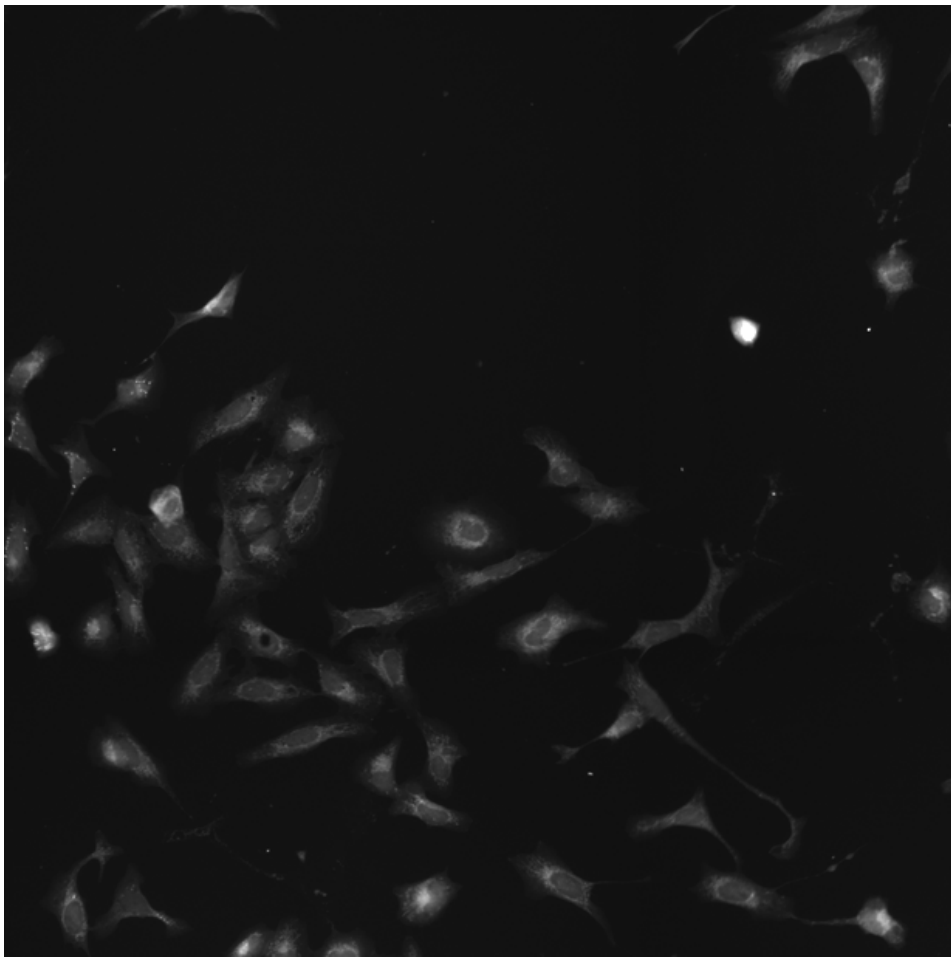
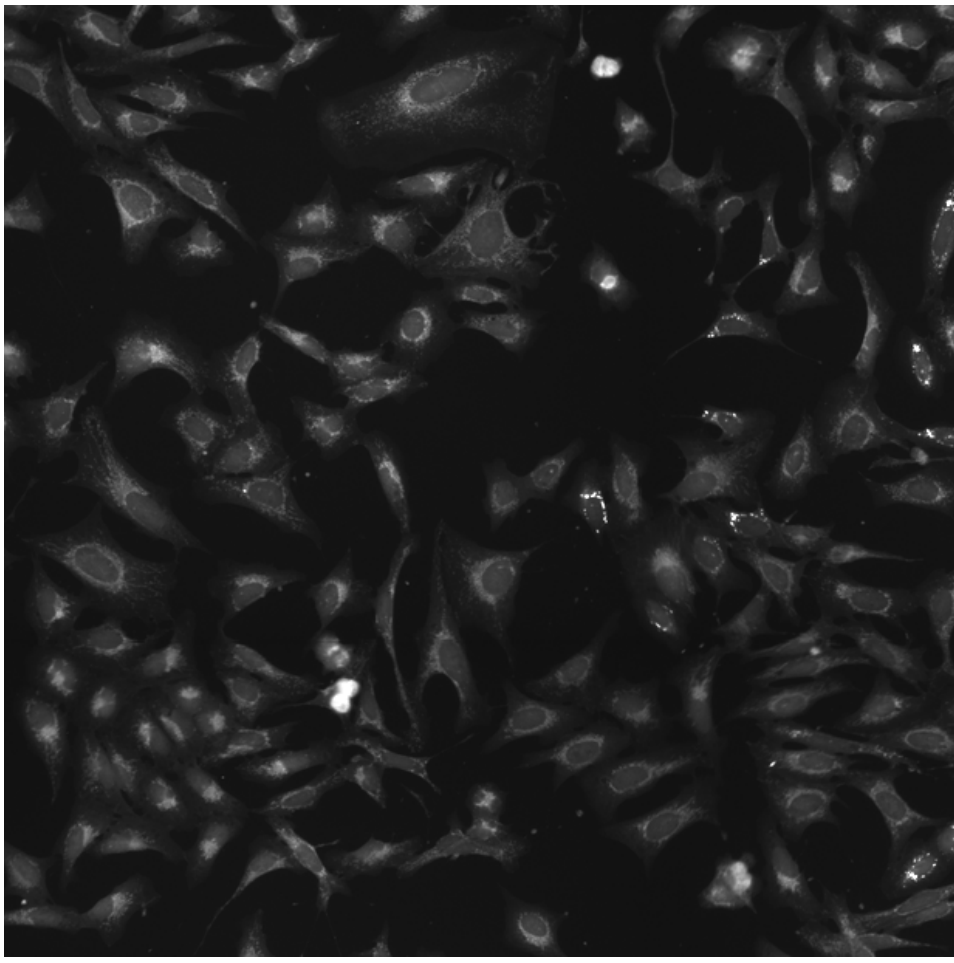
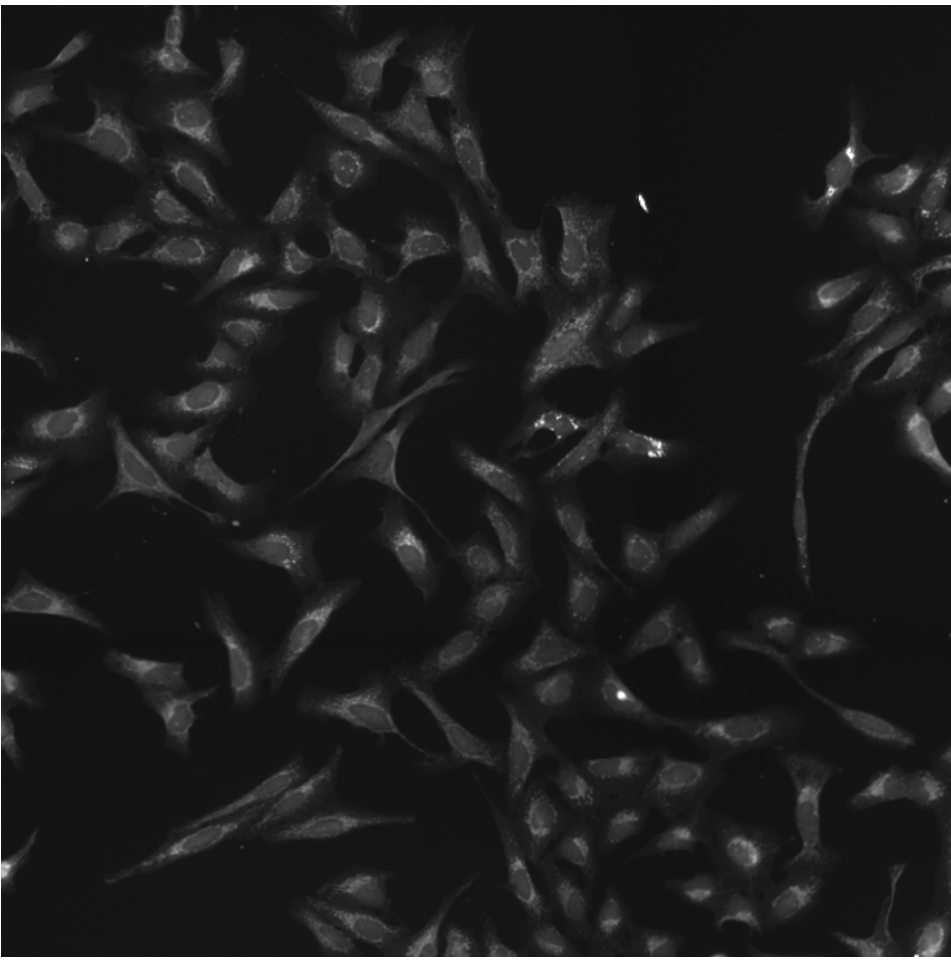
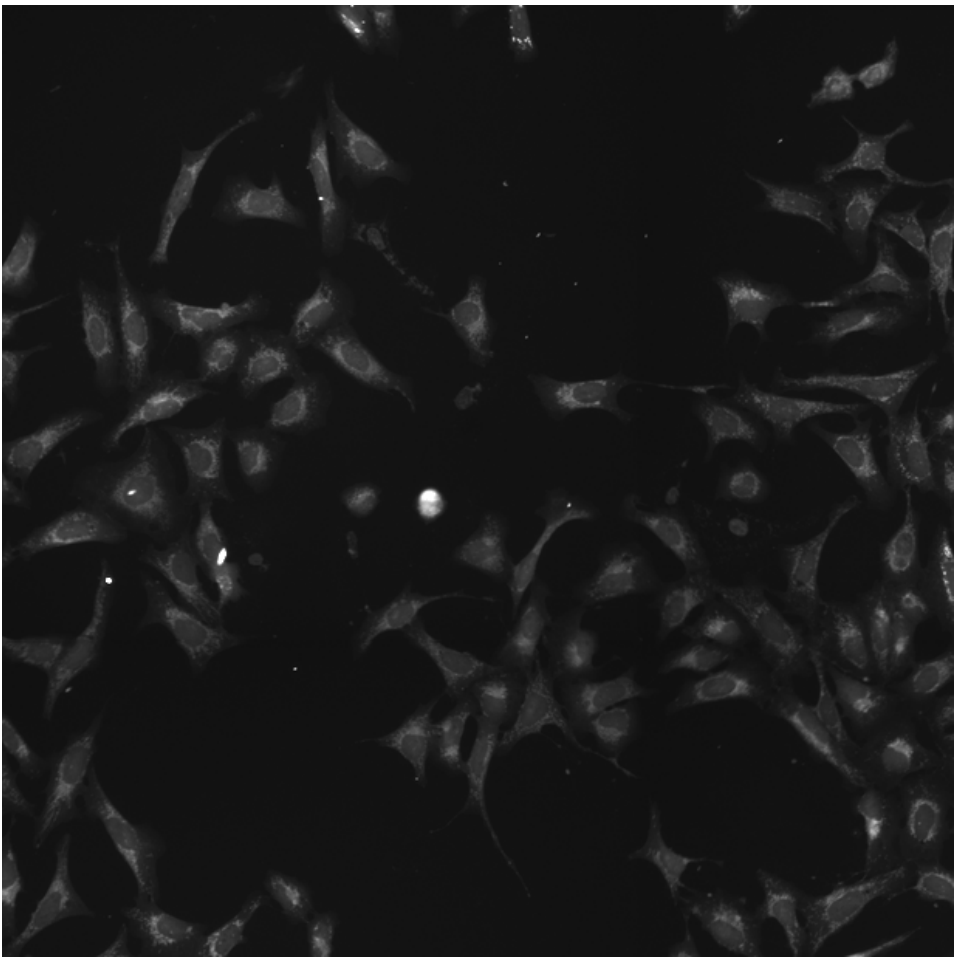
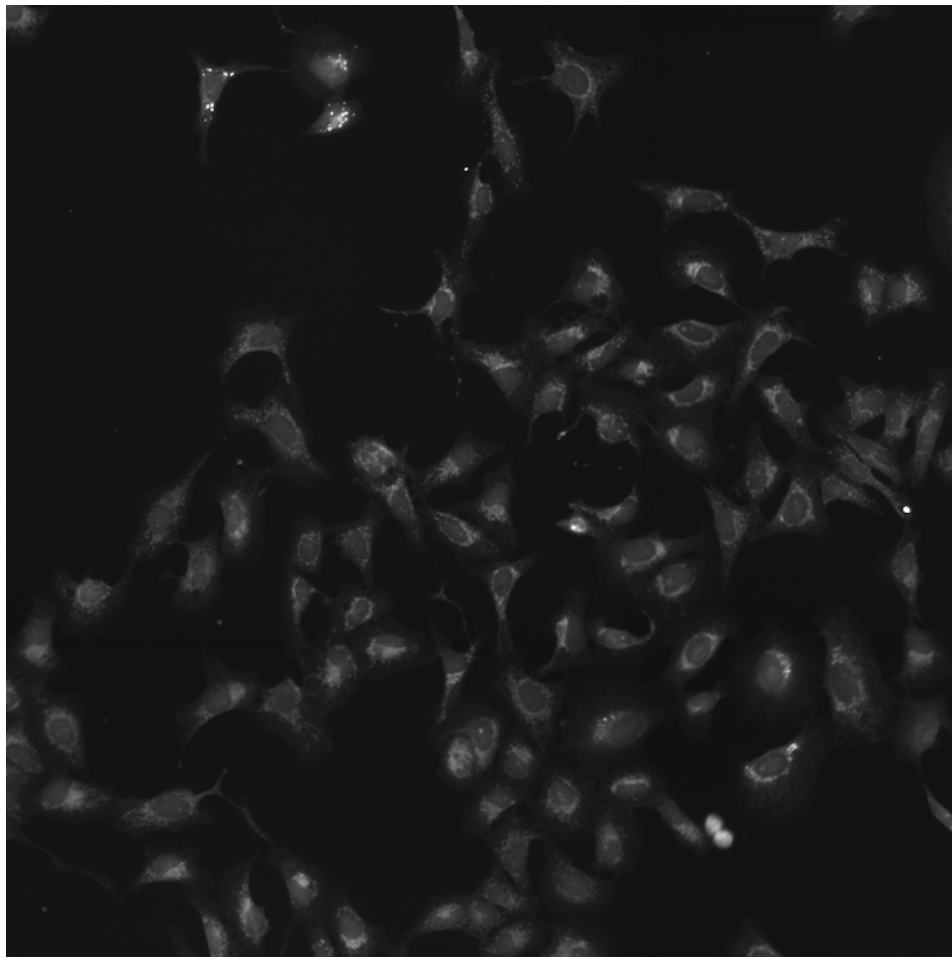
GRB10.WT.2 (41757)

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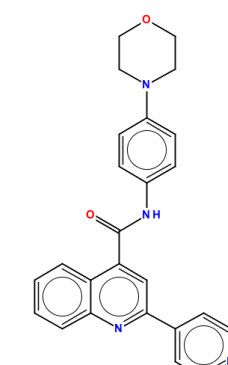
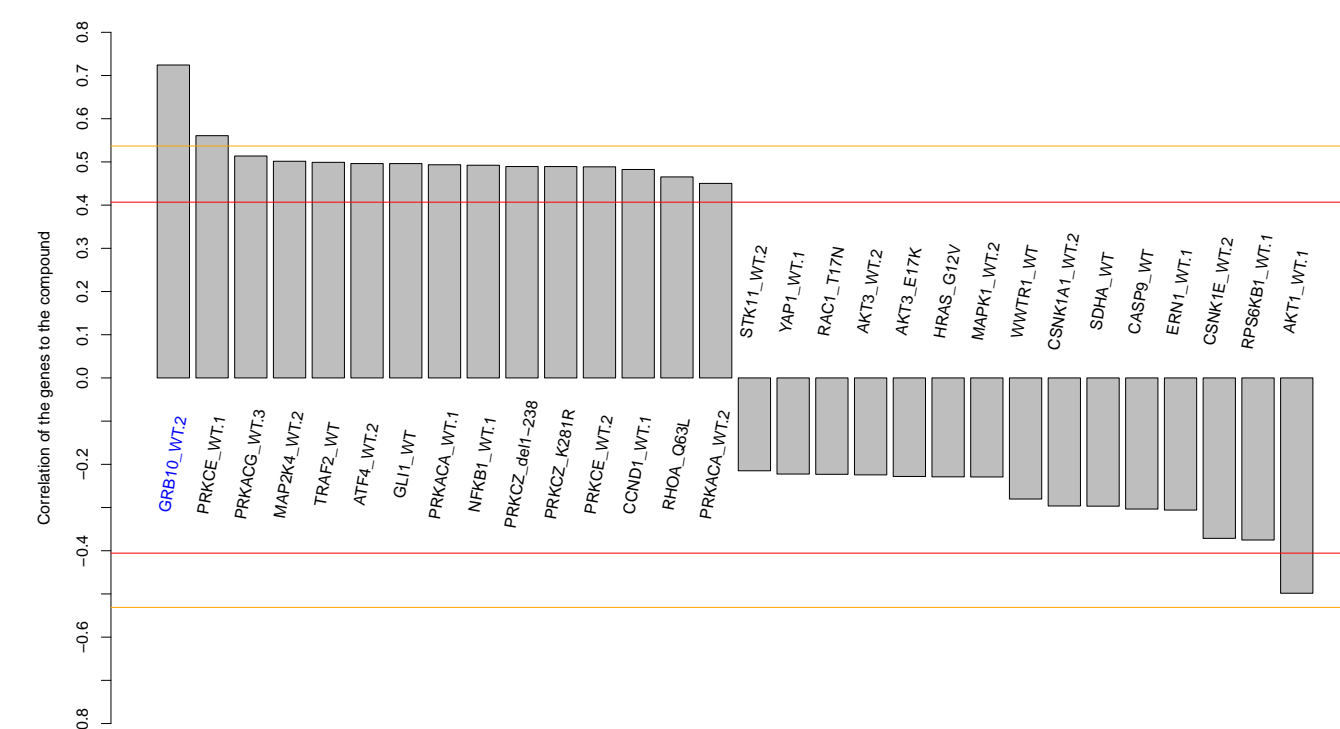
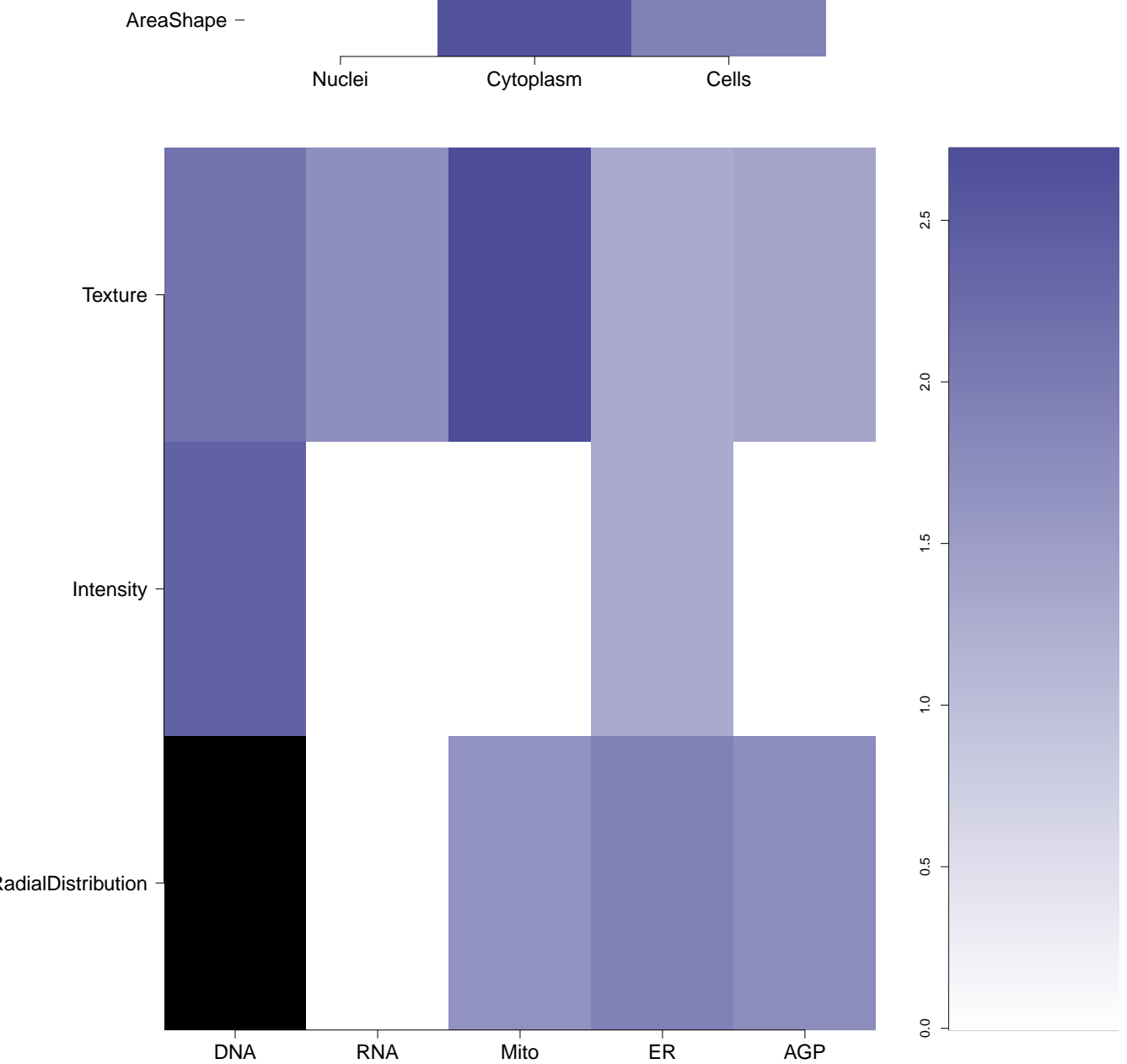

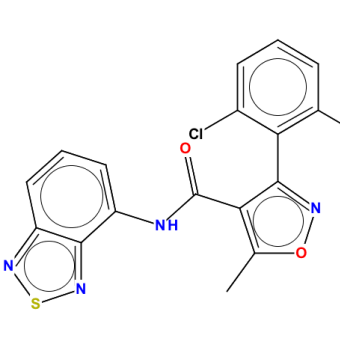
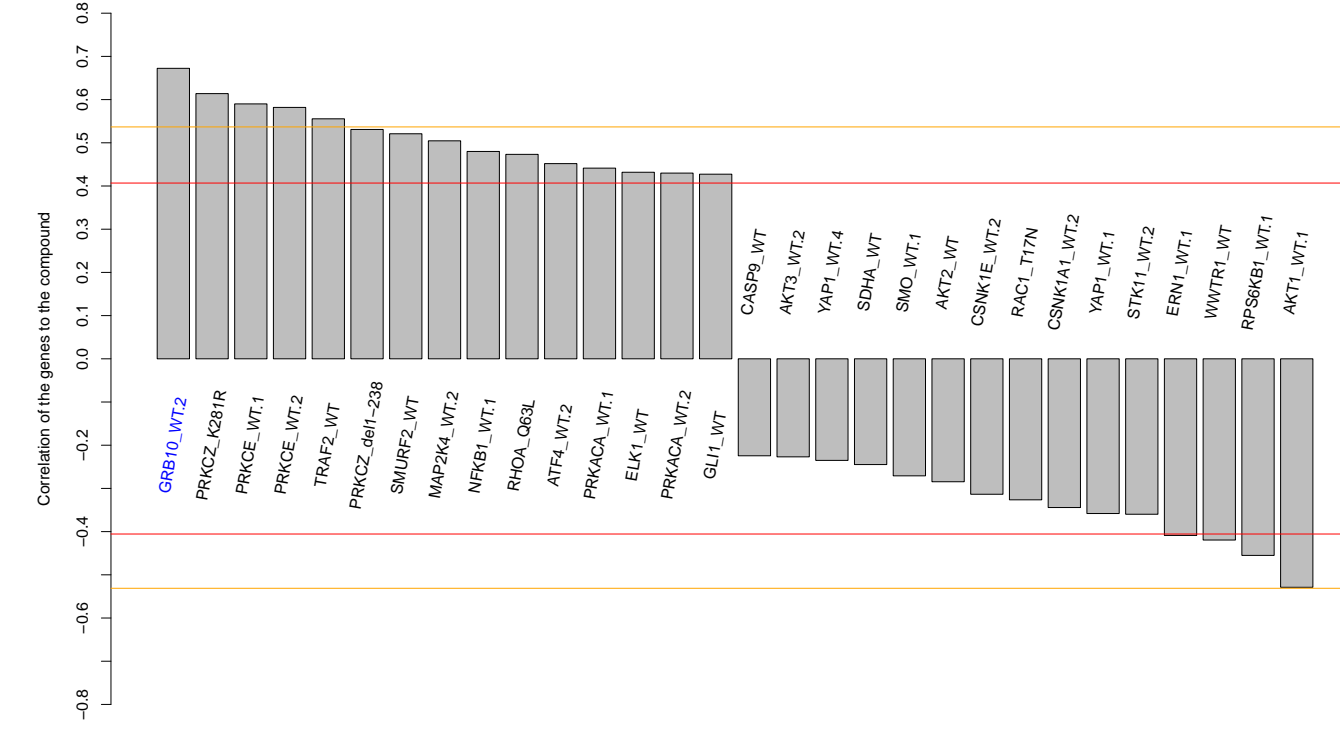
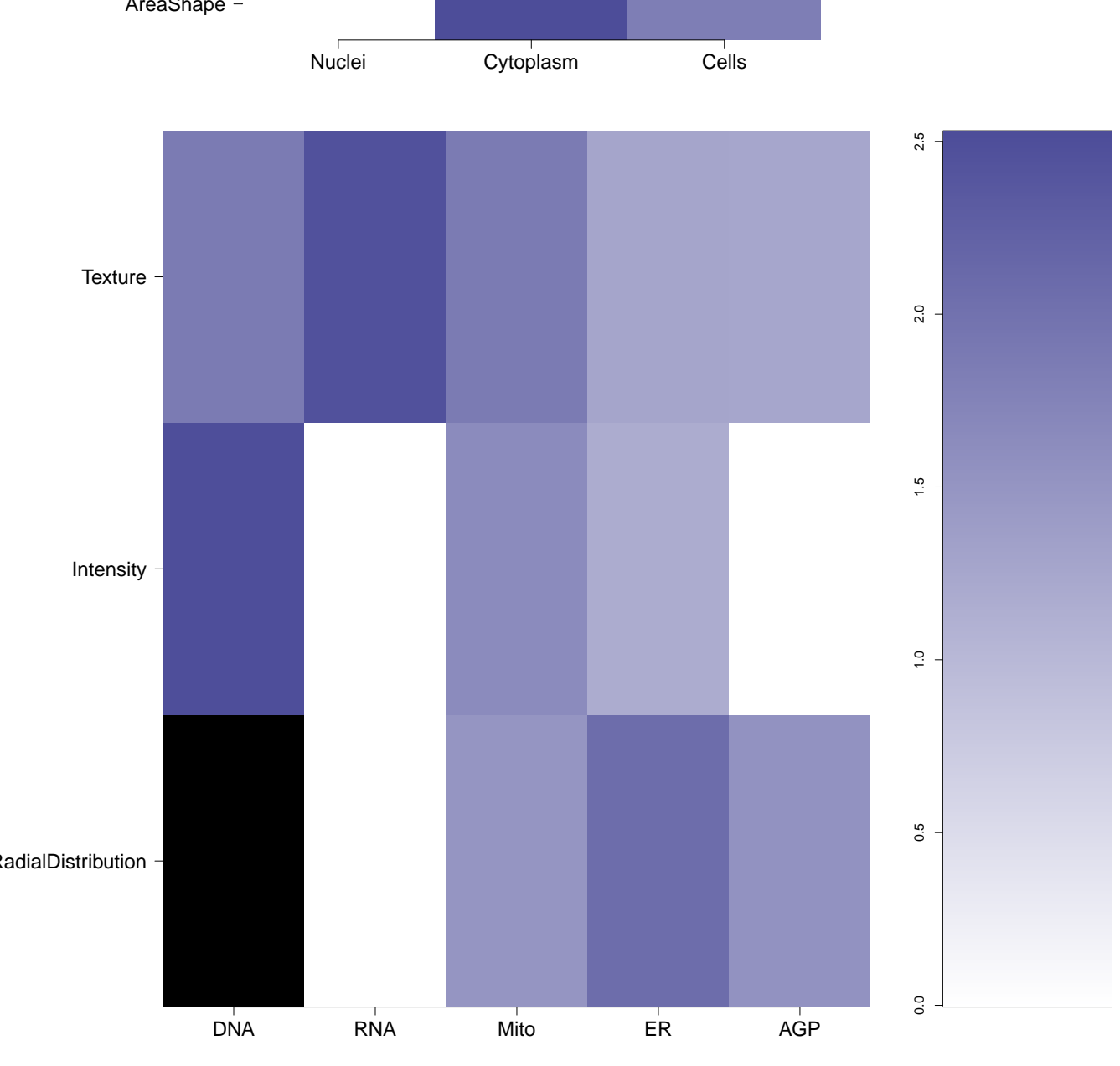
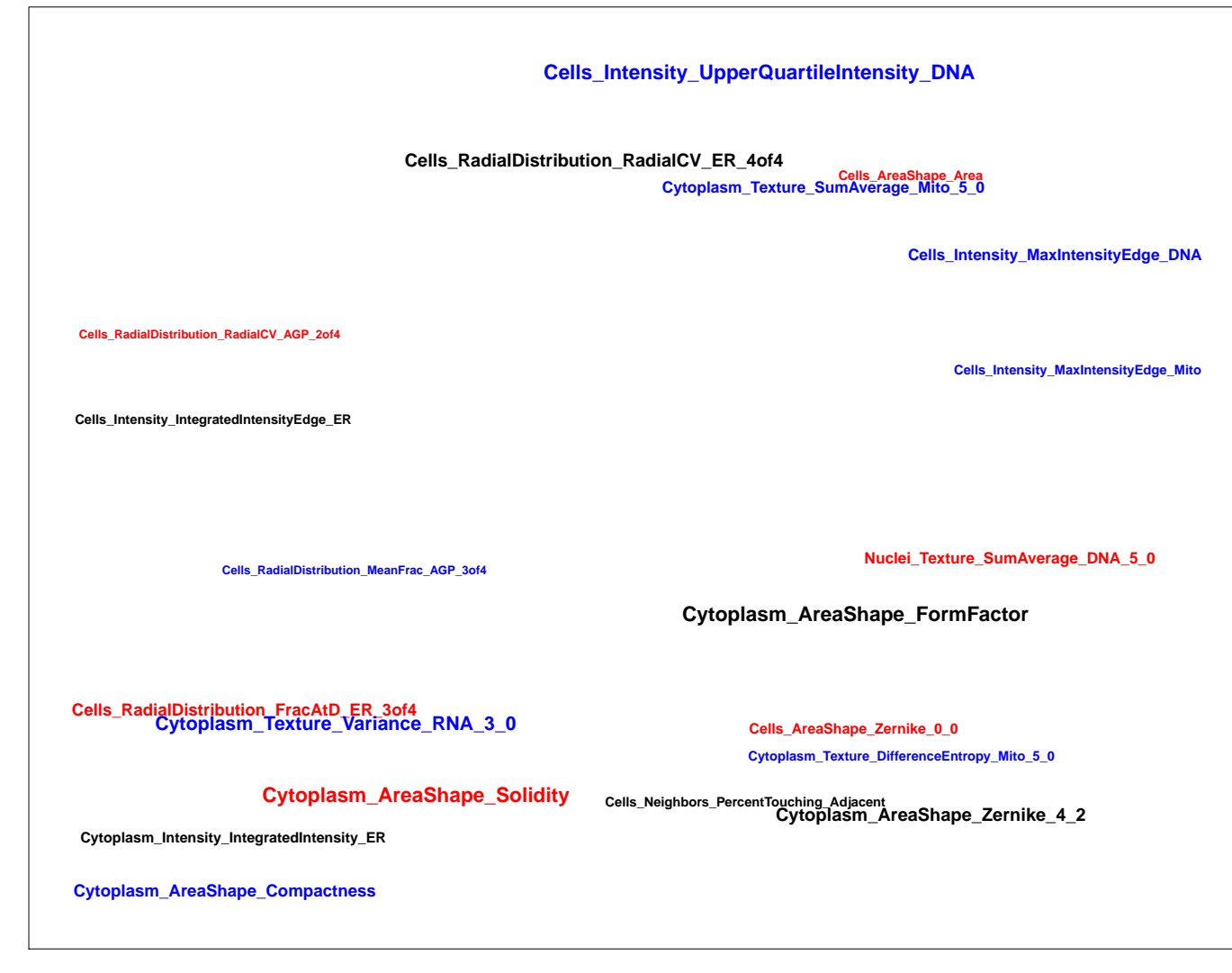
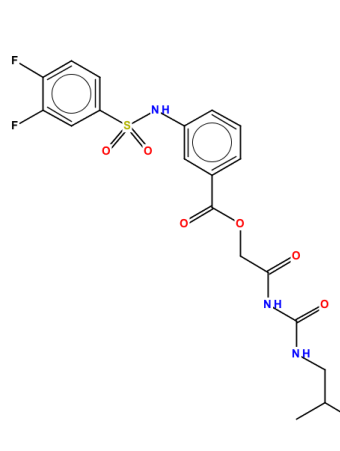
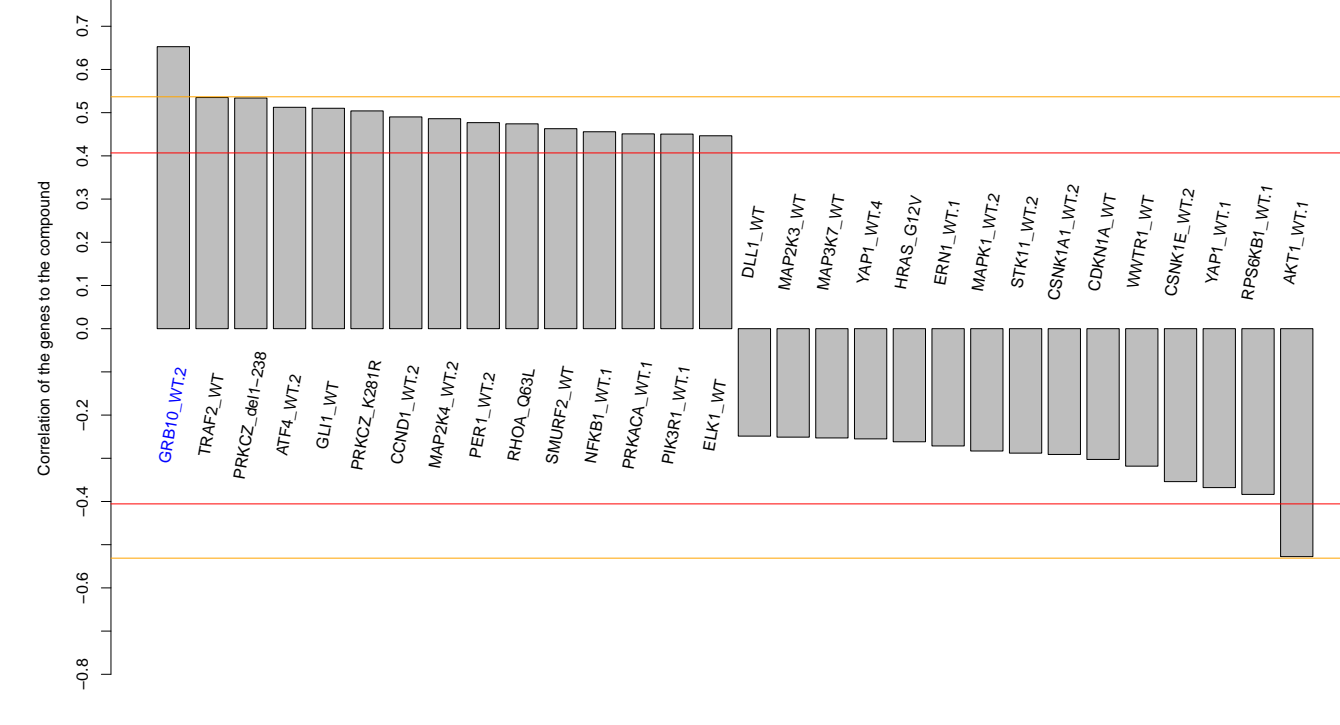
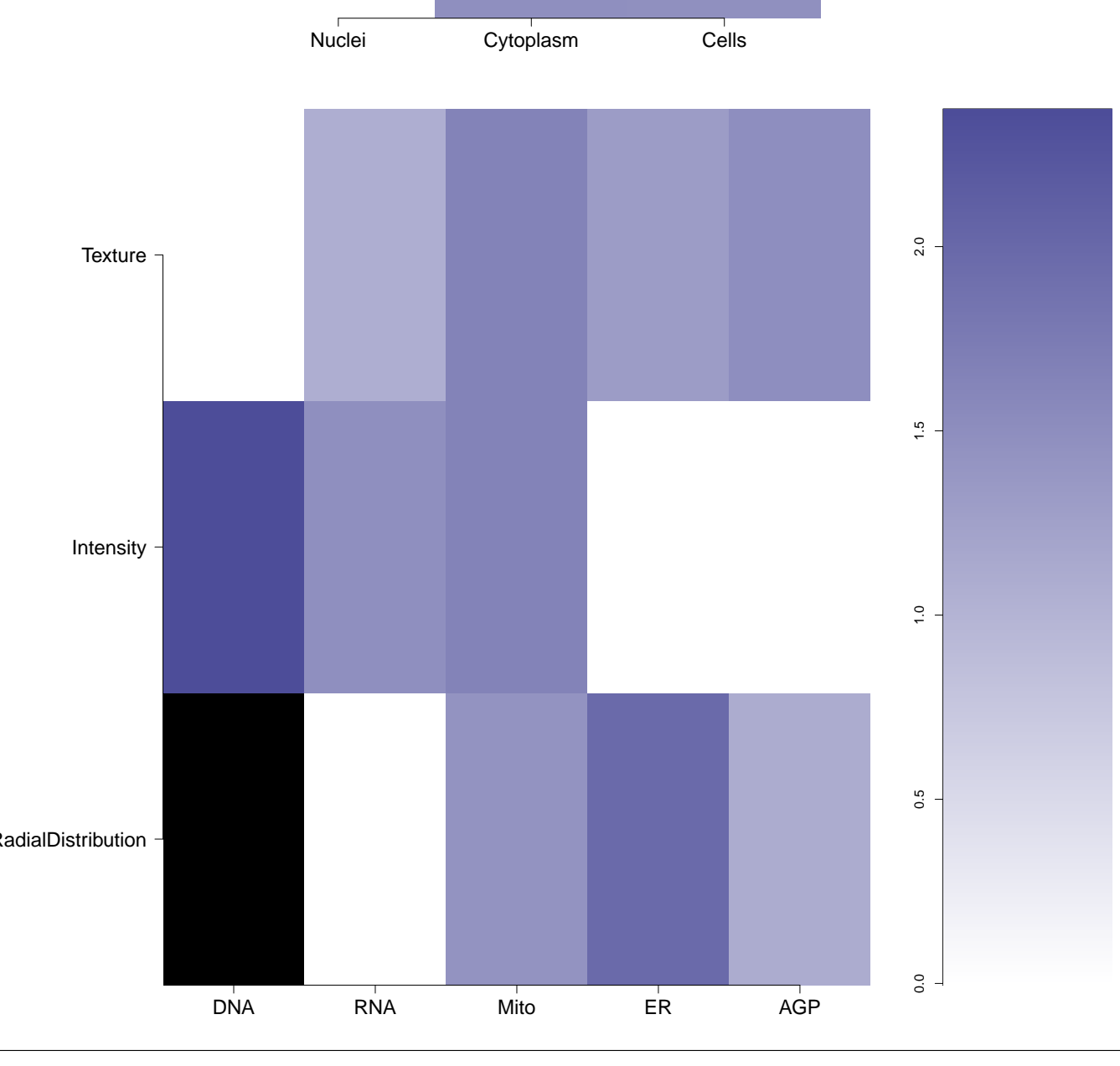
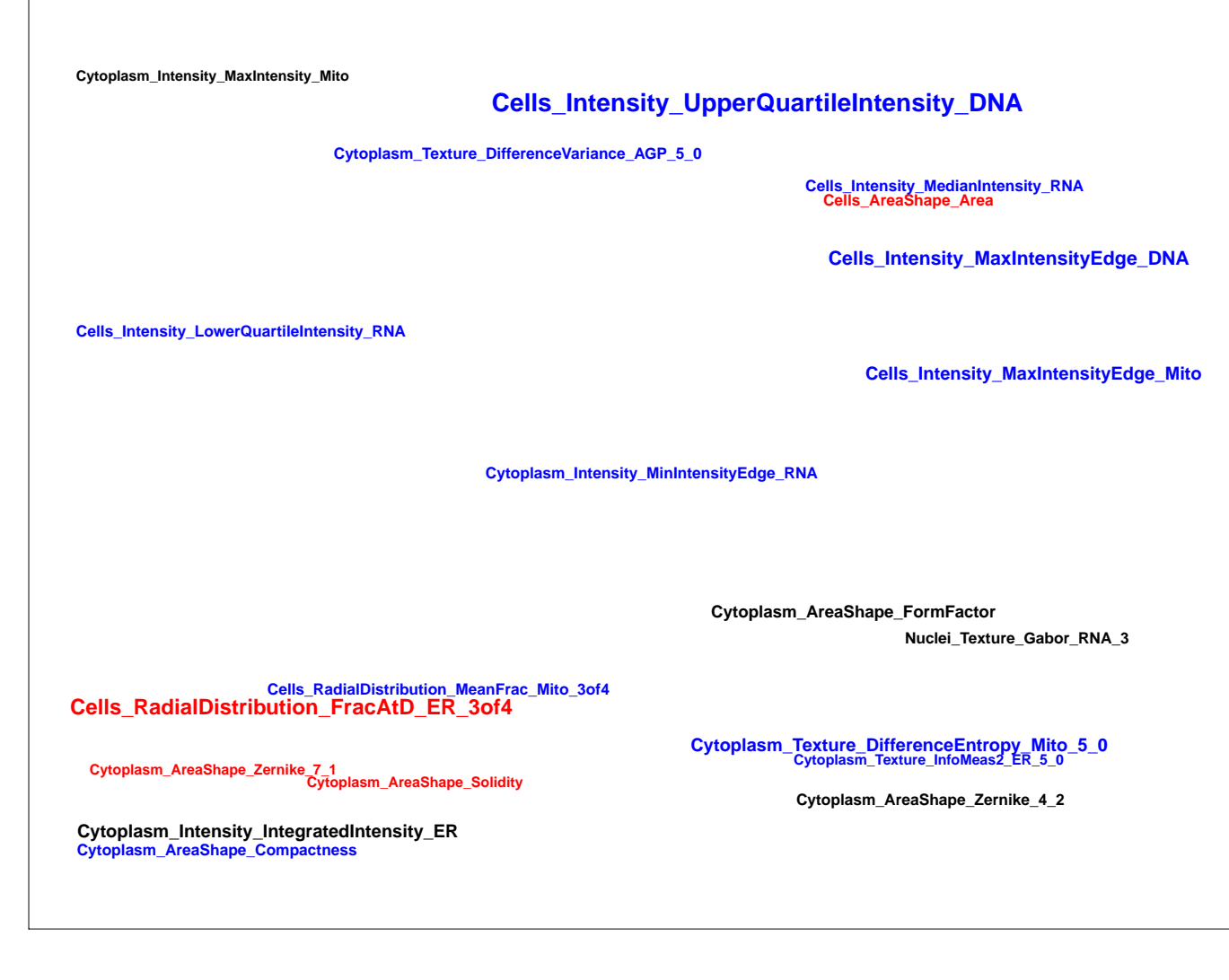
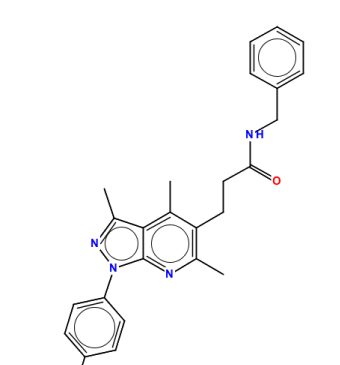

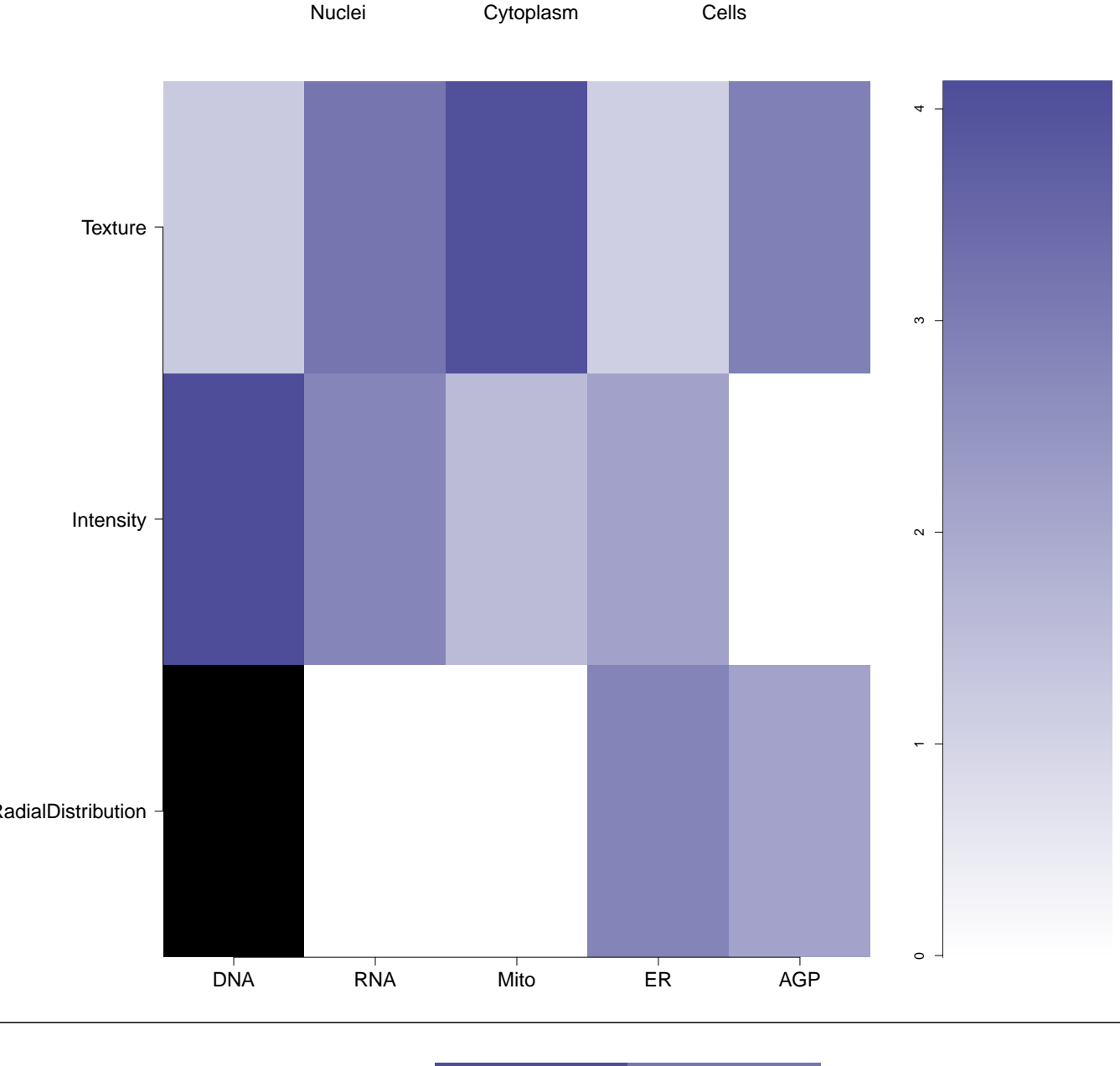
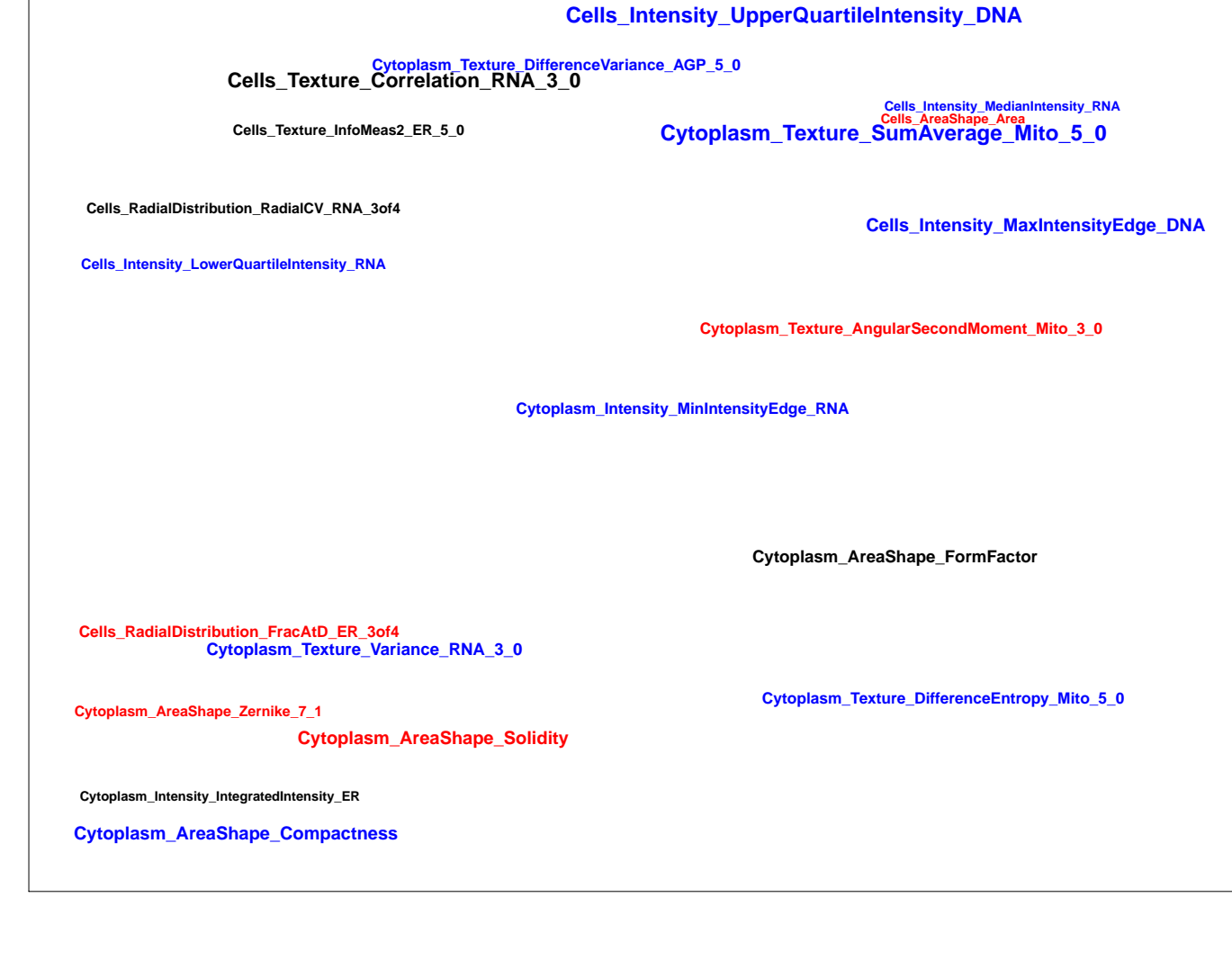
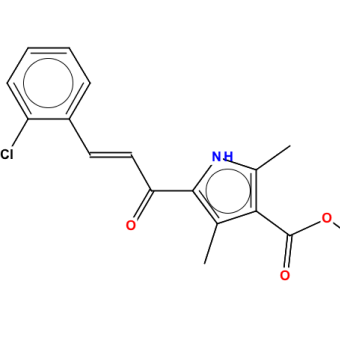
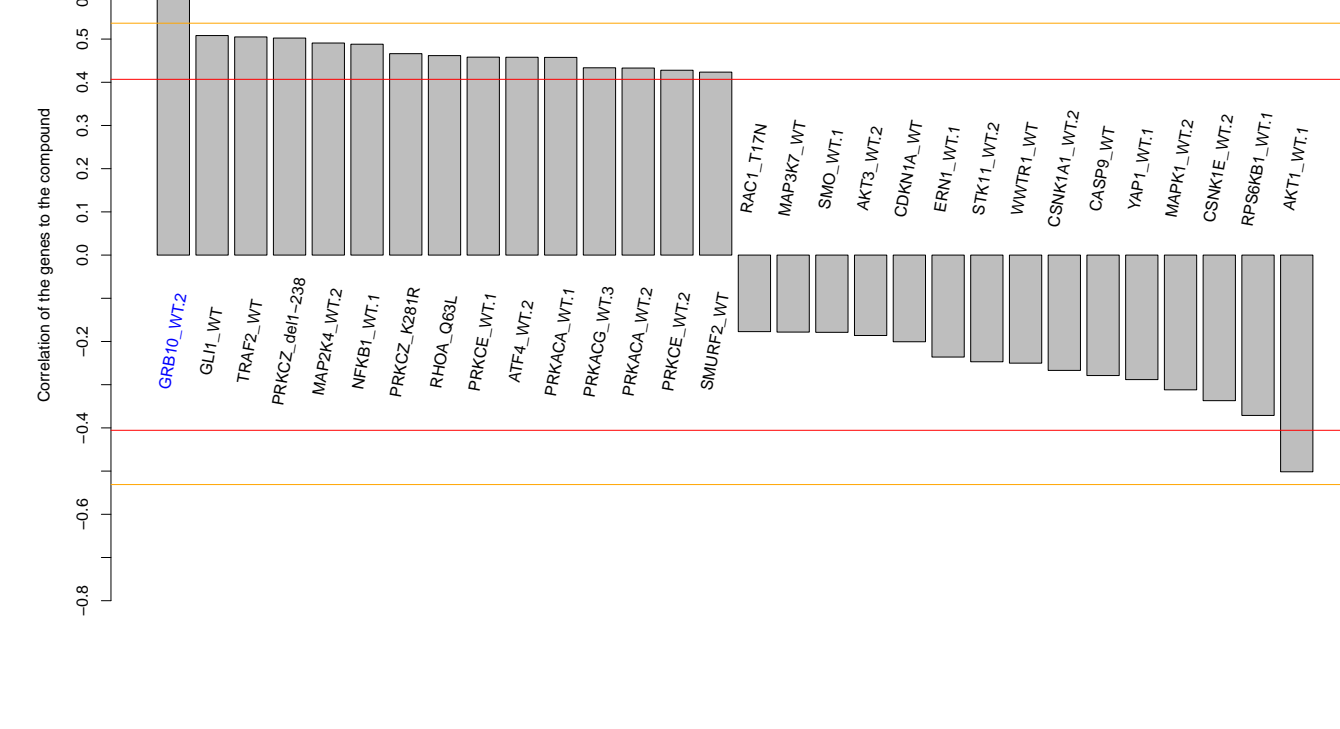
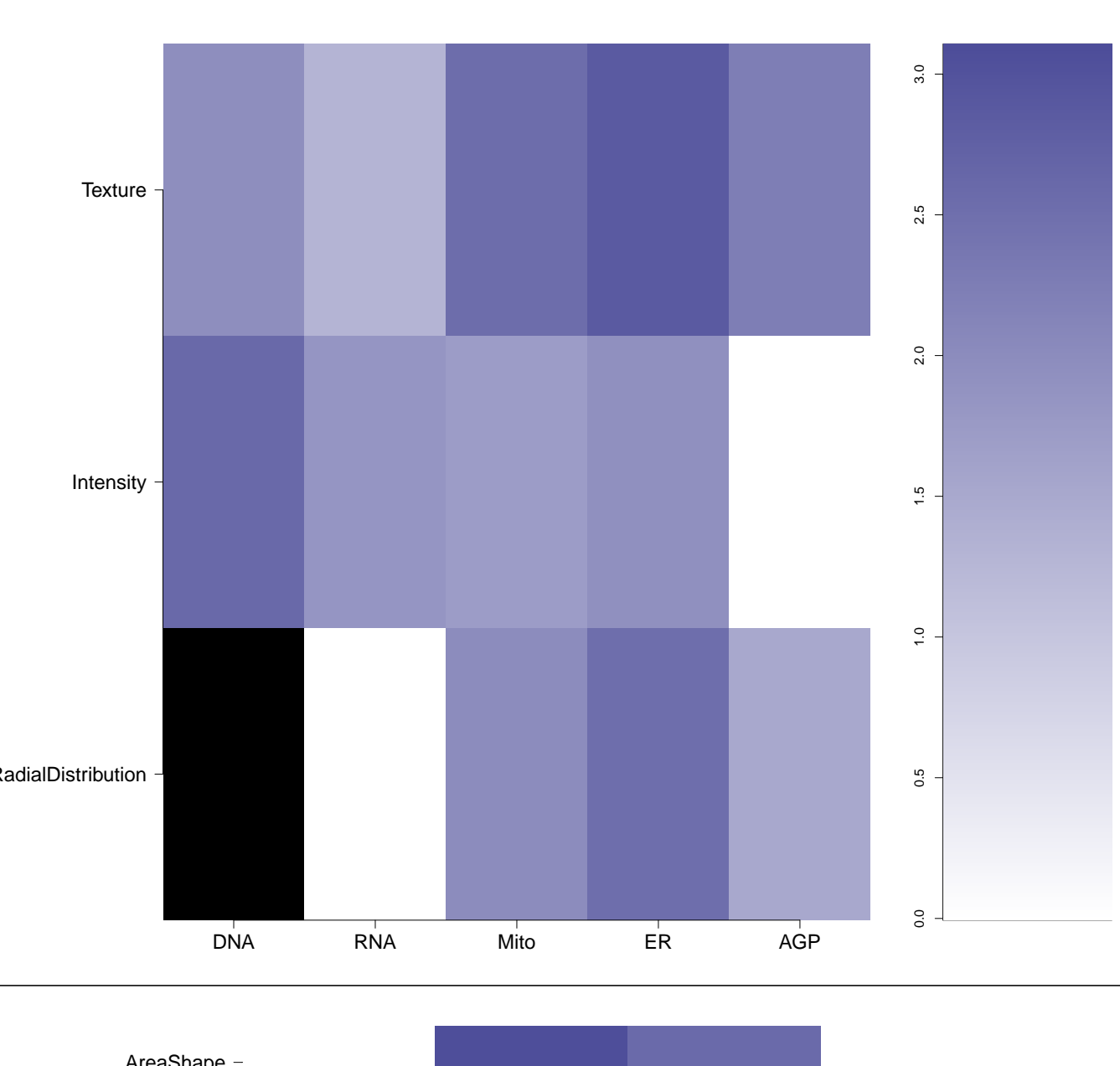

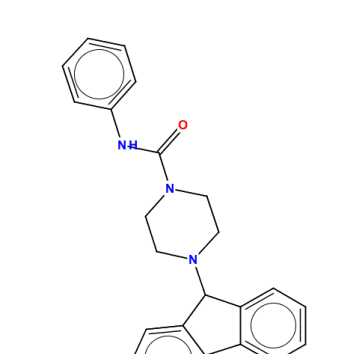
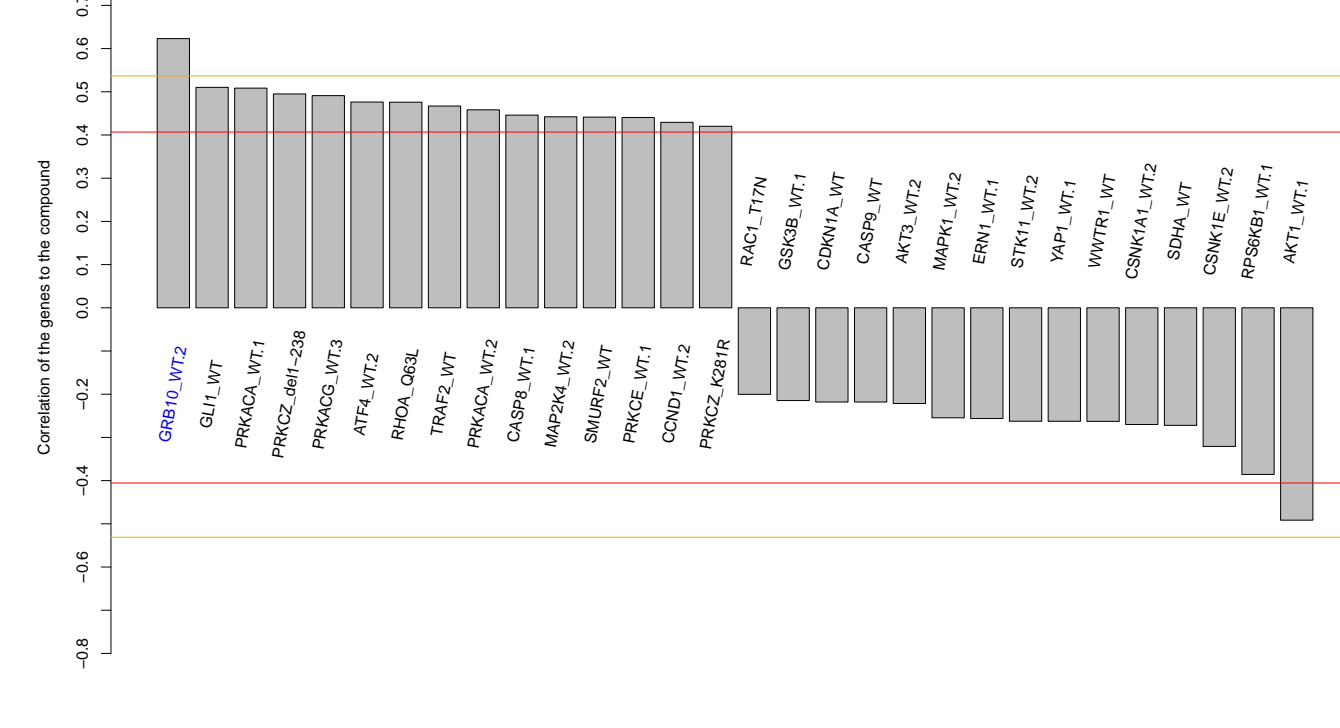
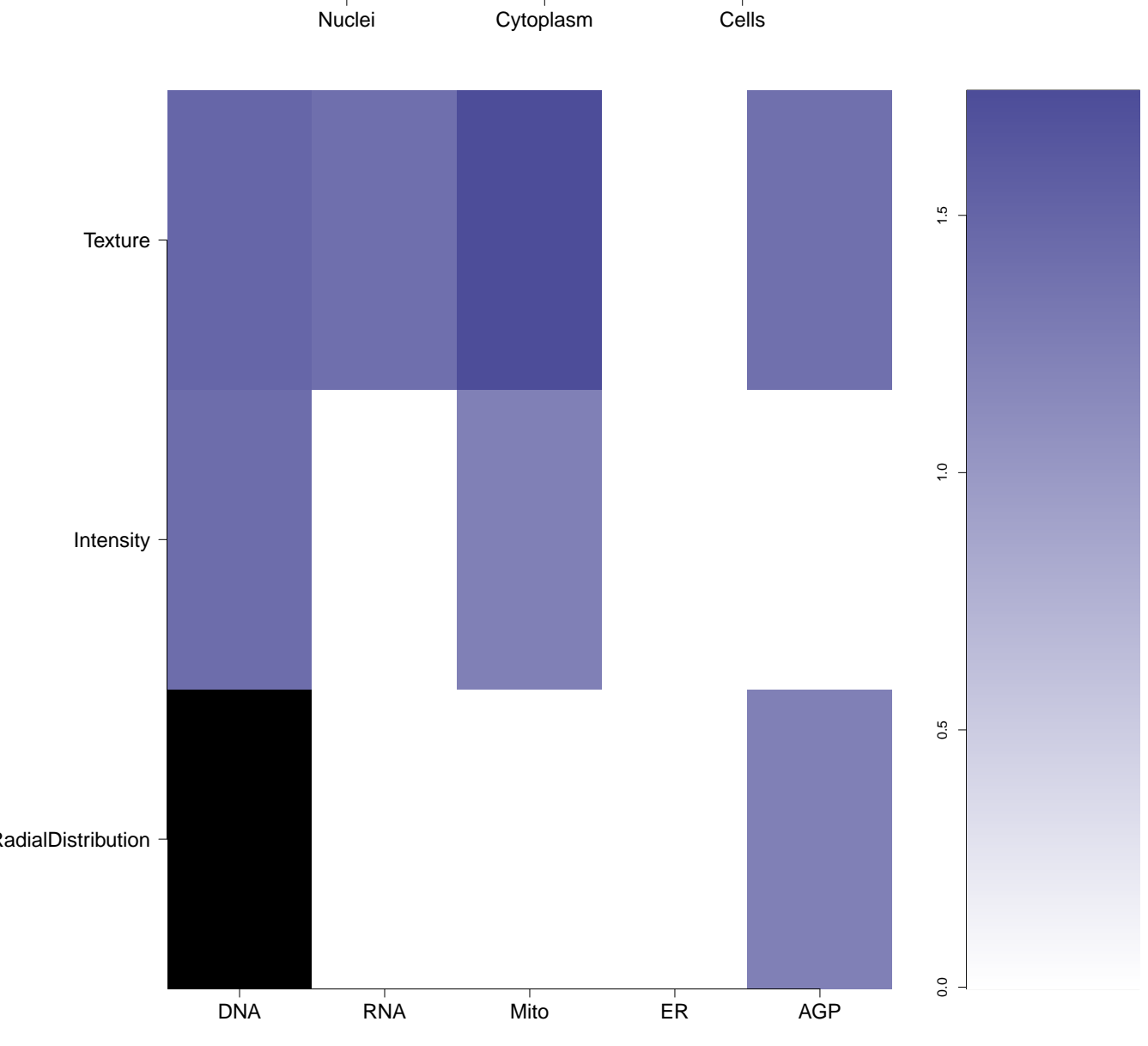

RNA

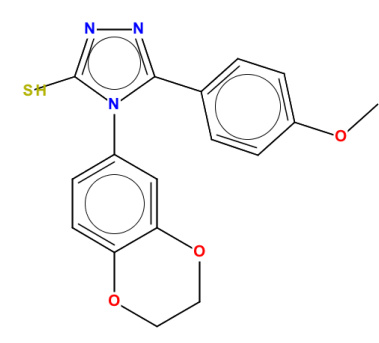
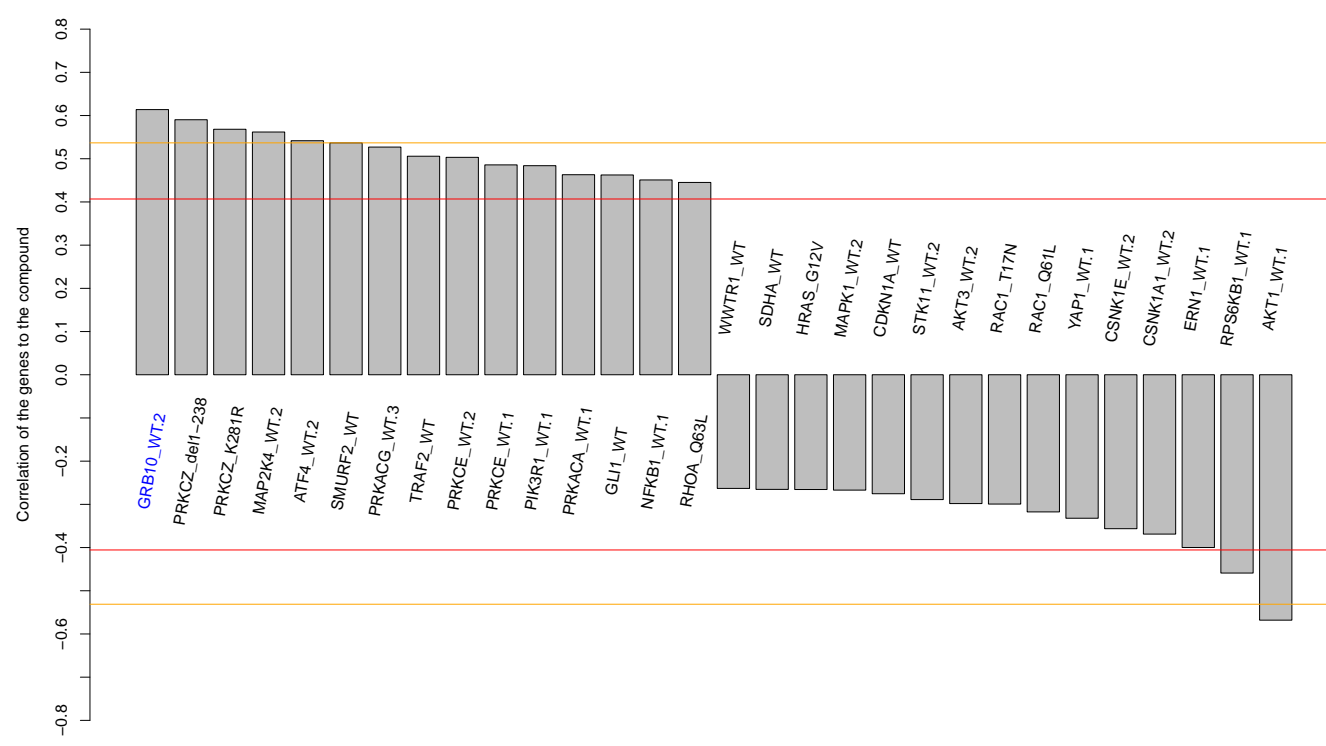
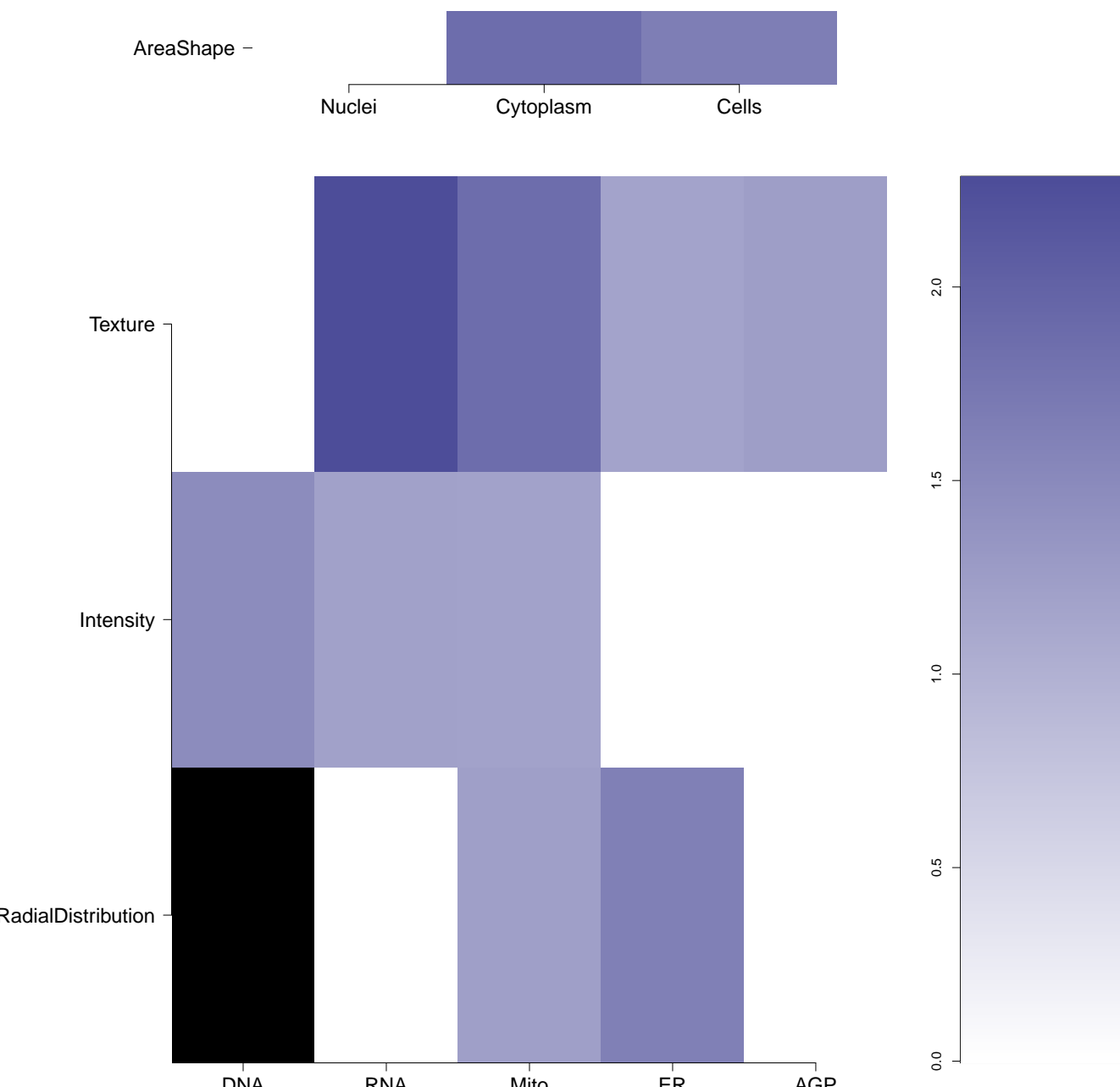
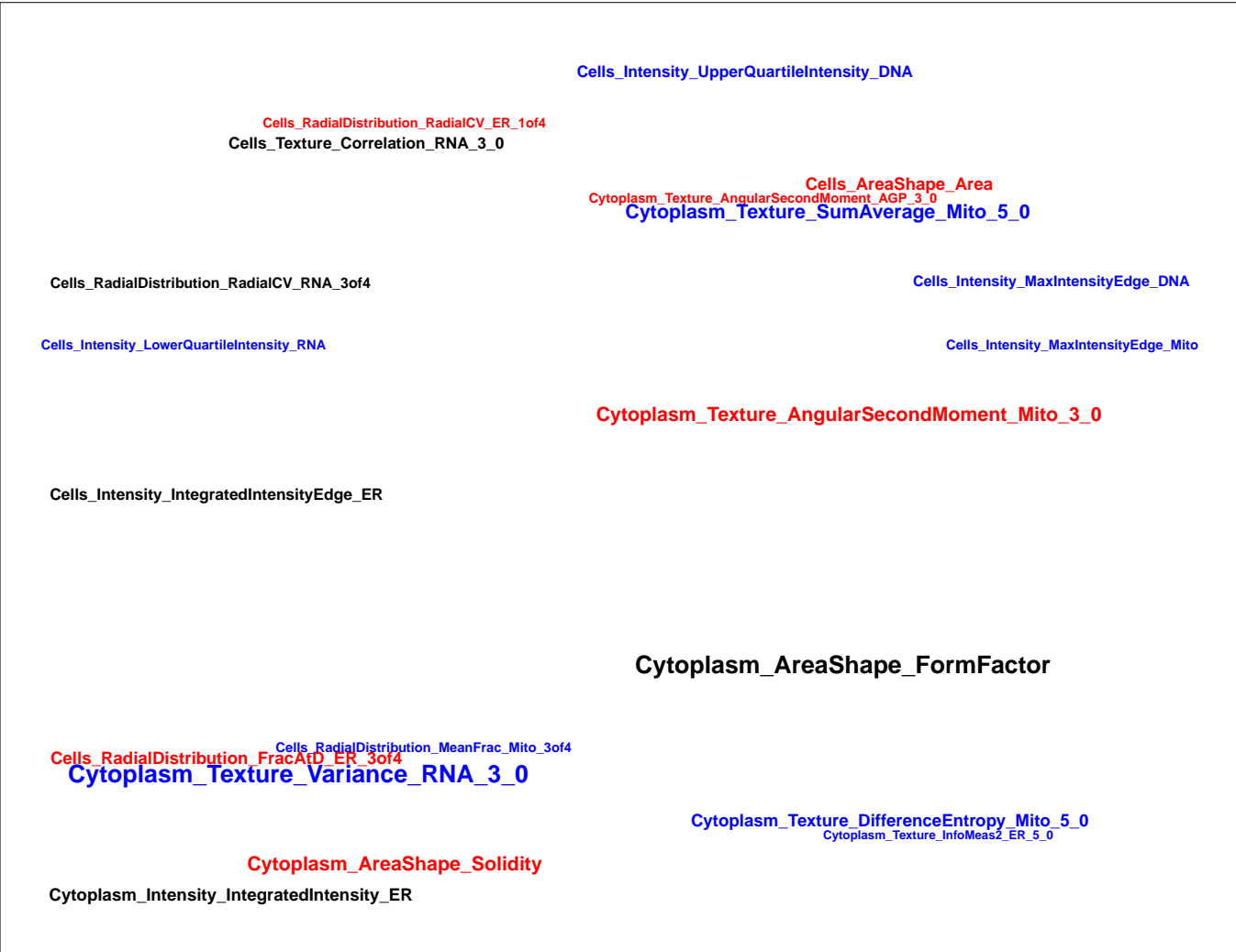
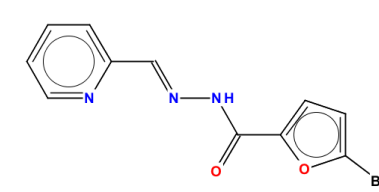
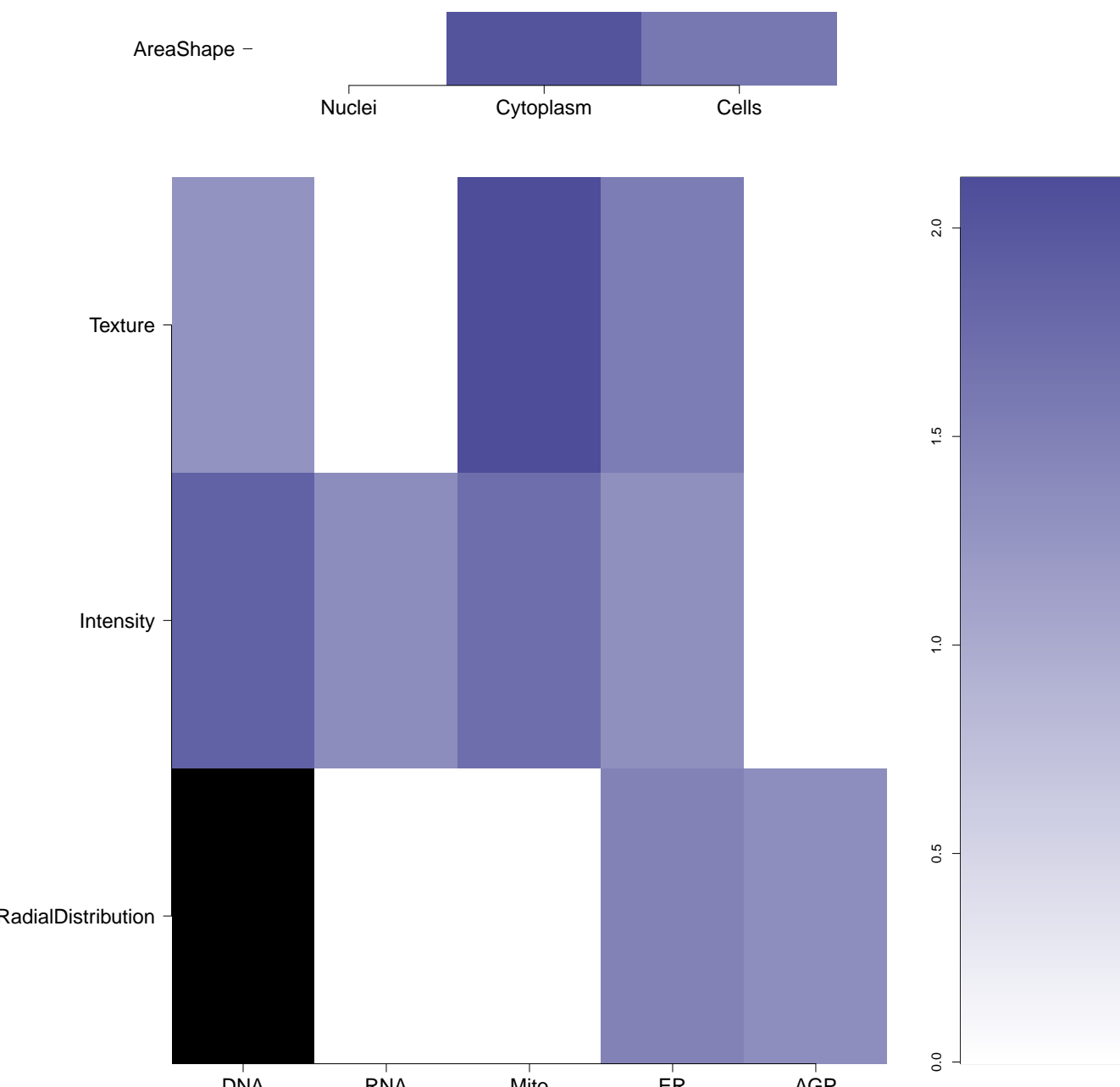

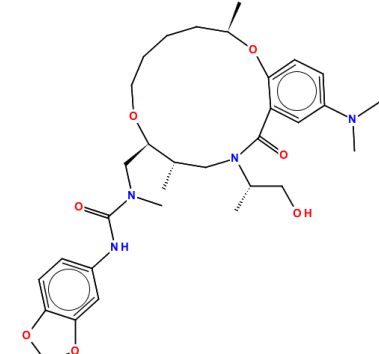
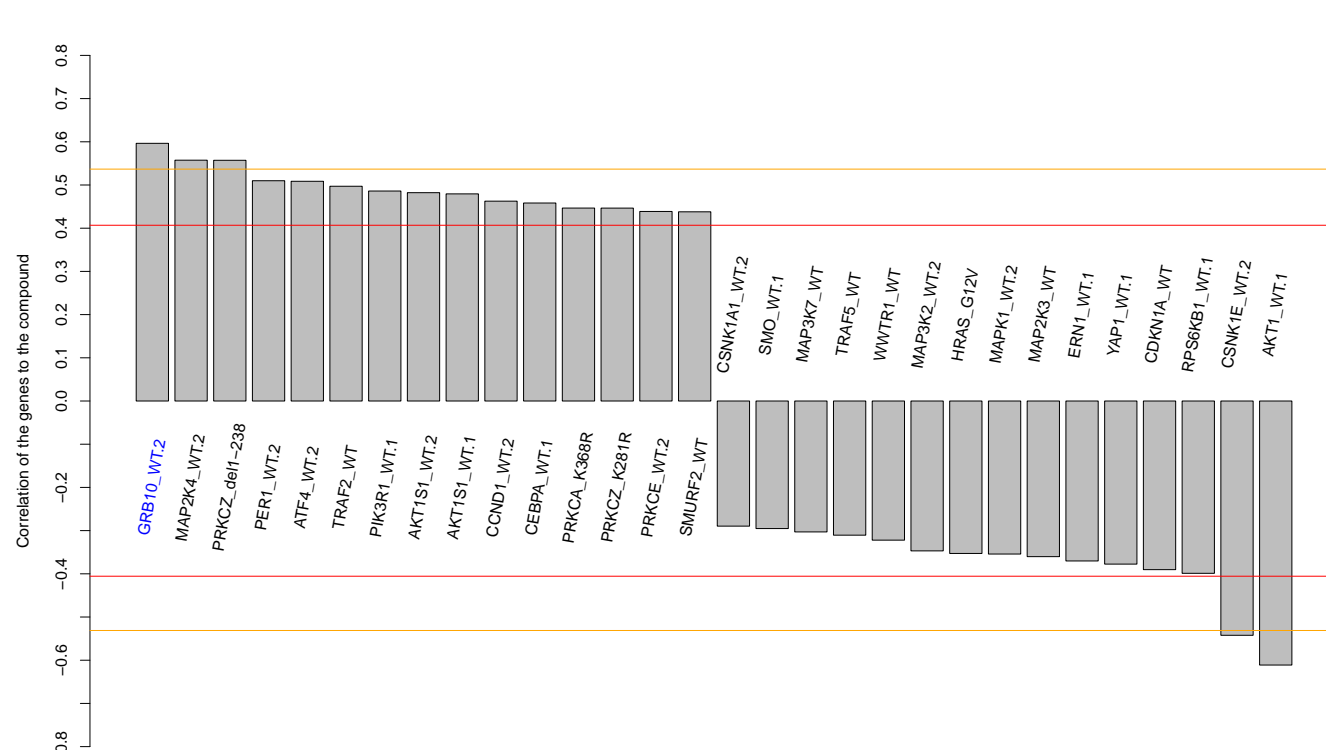

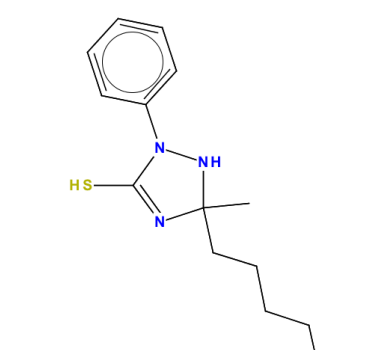
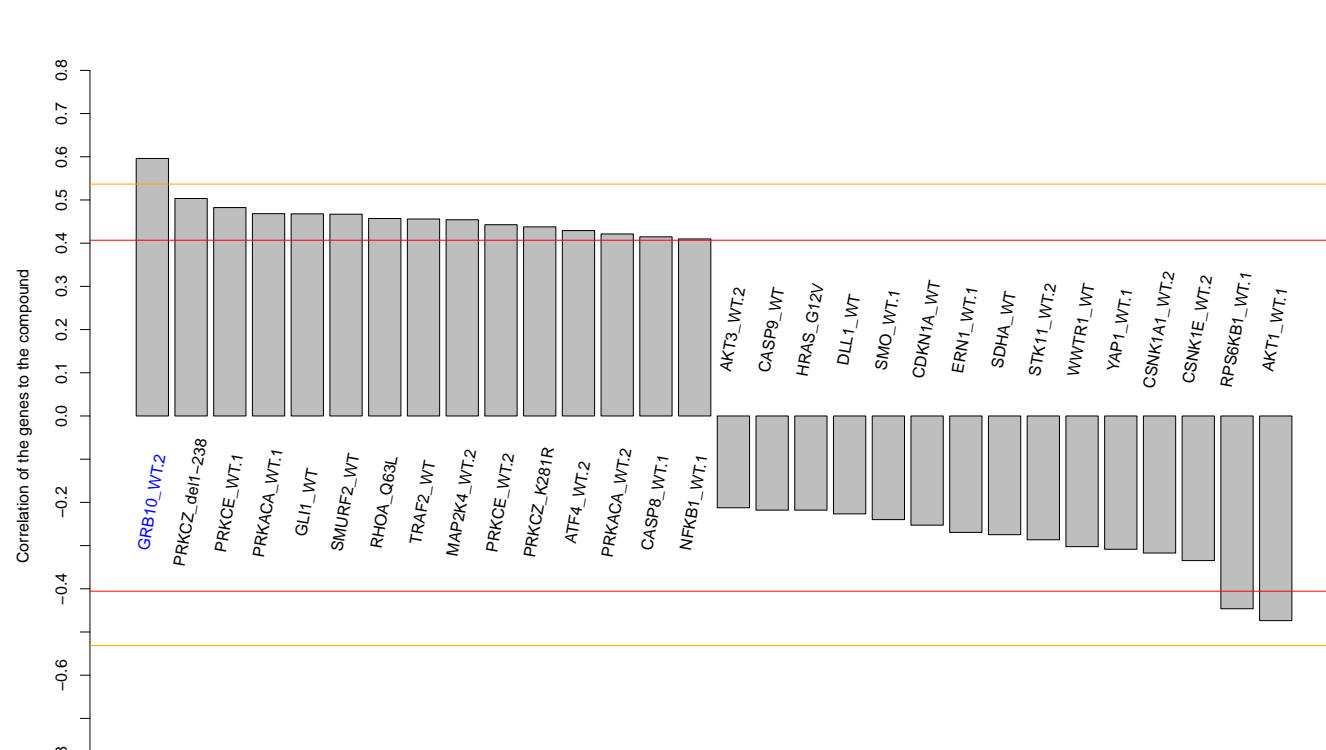
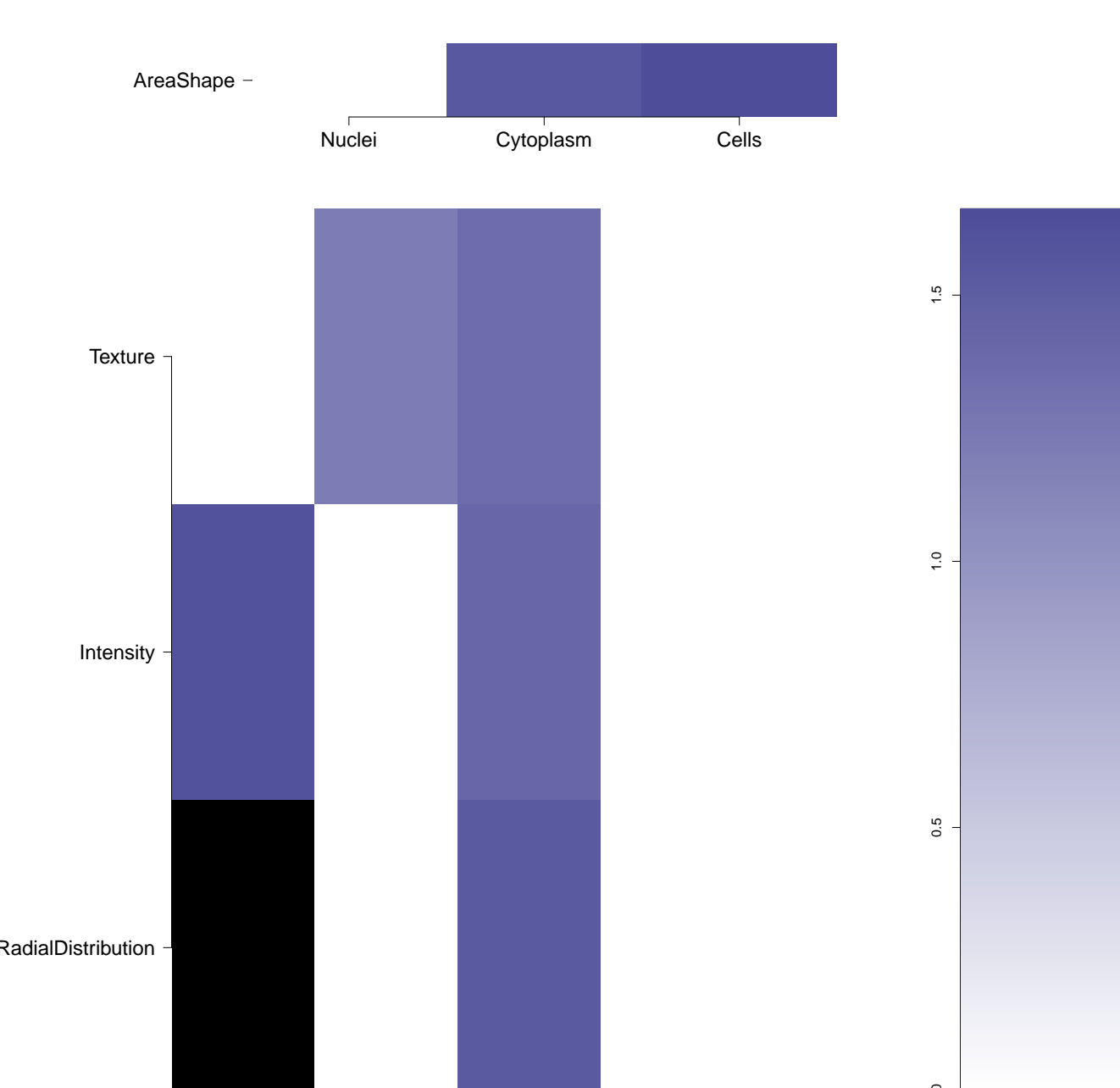
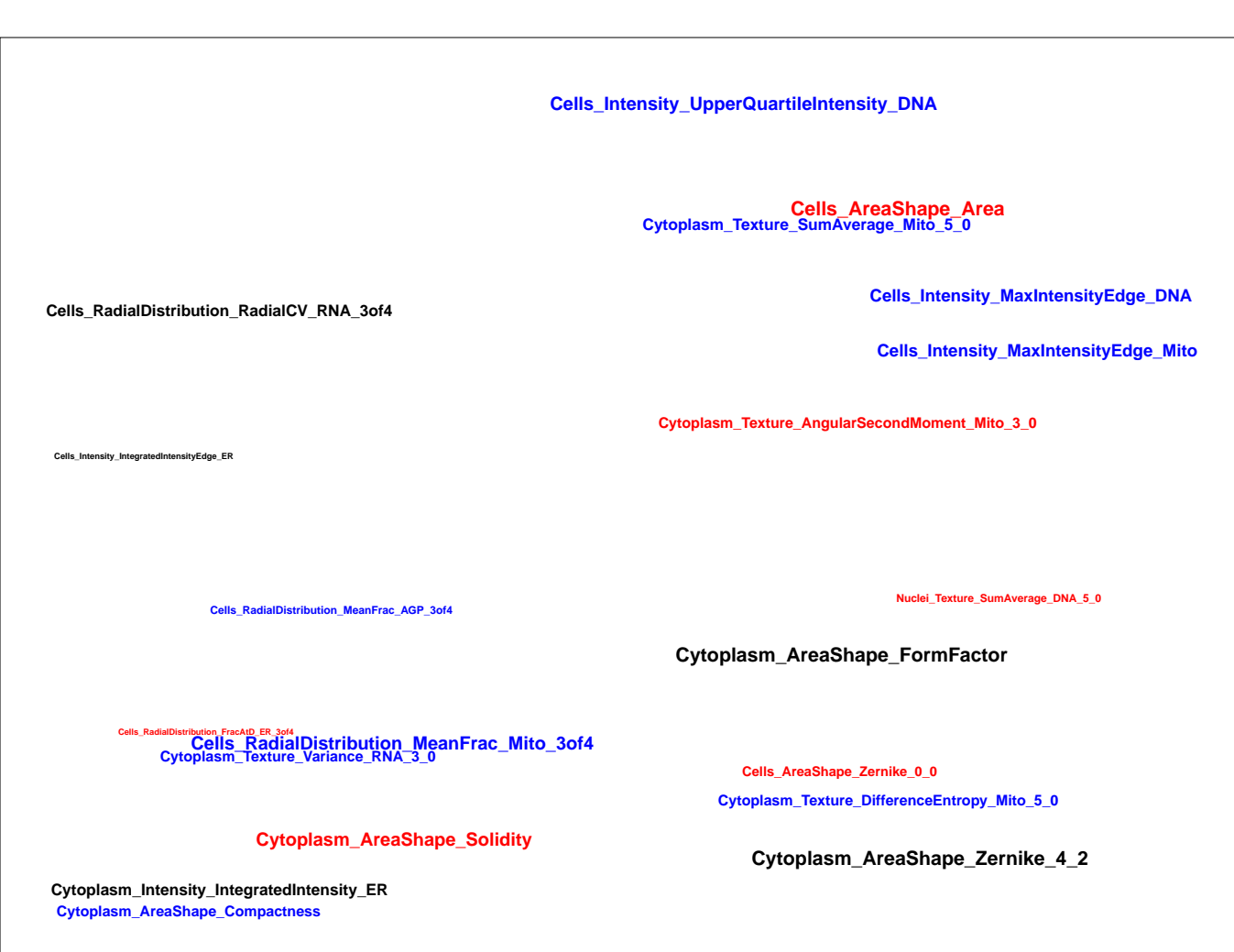
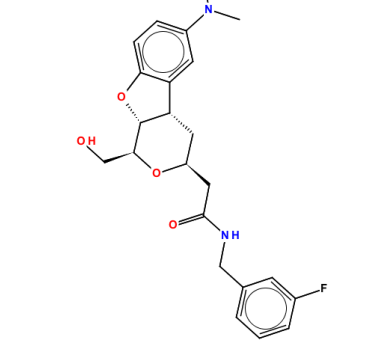
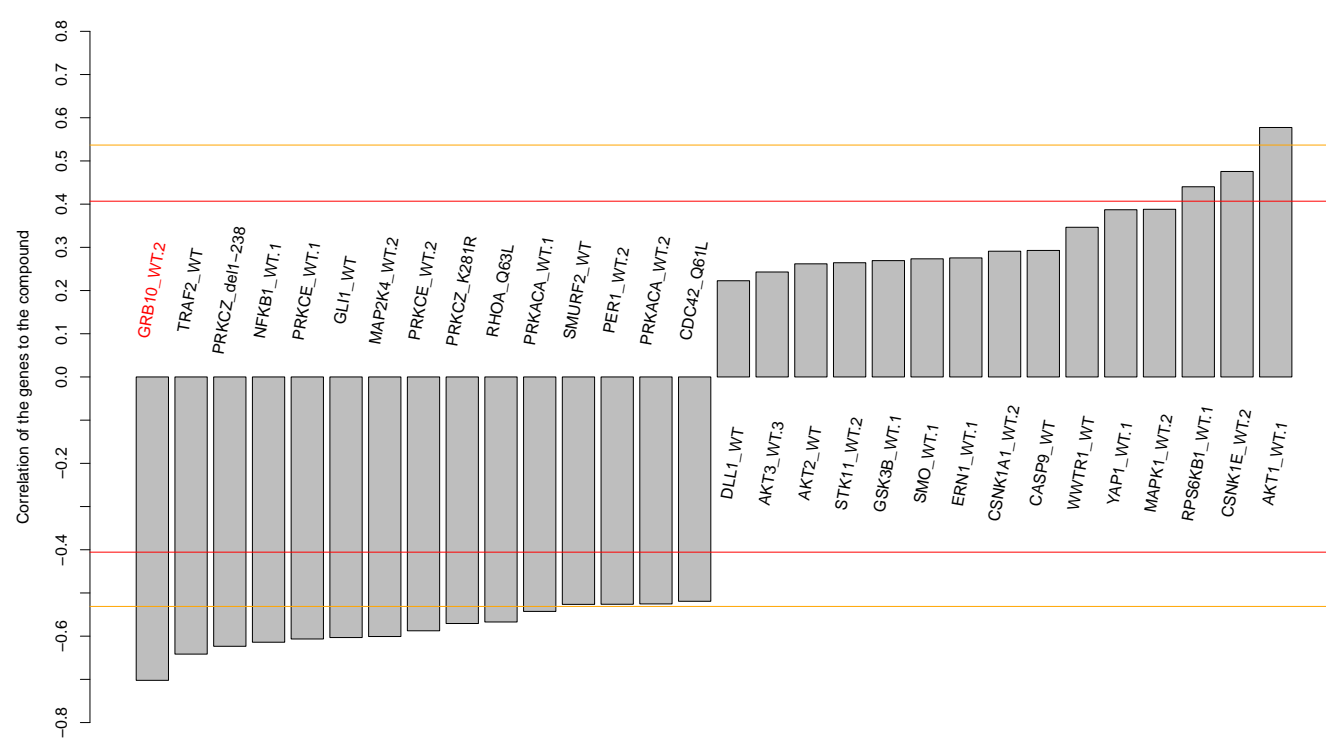
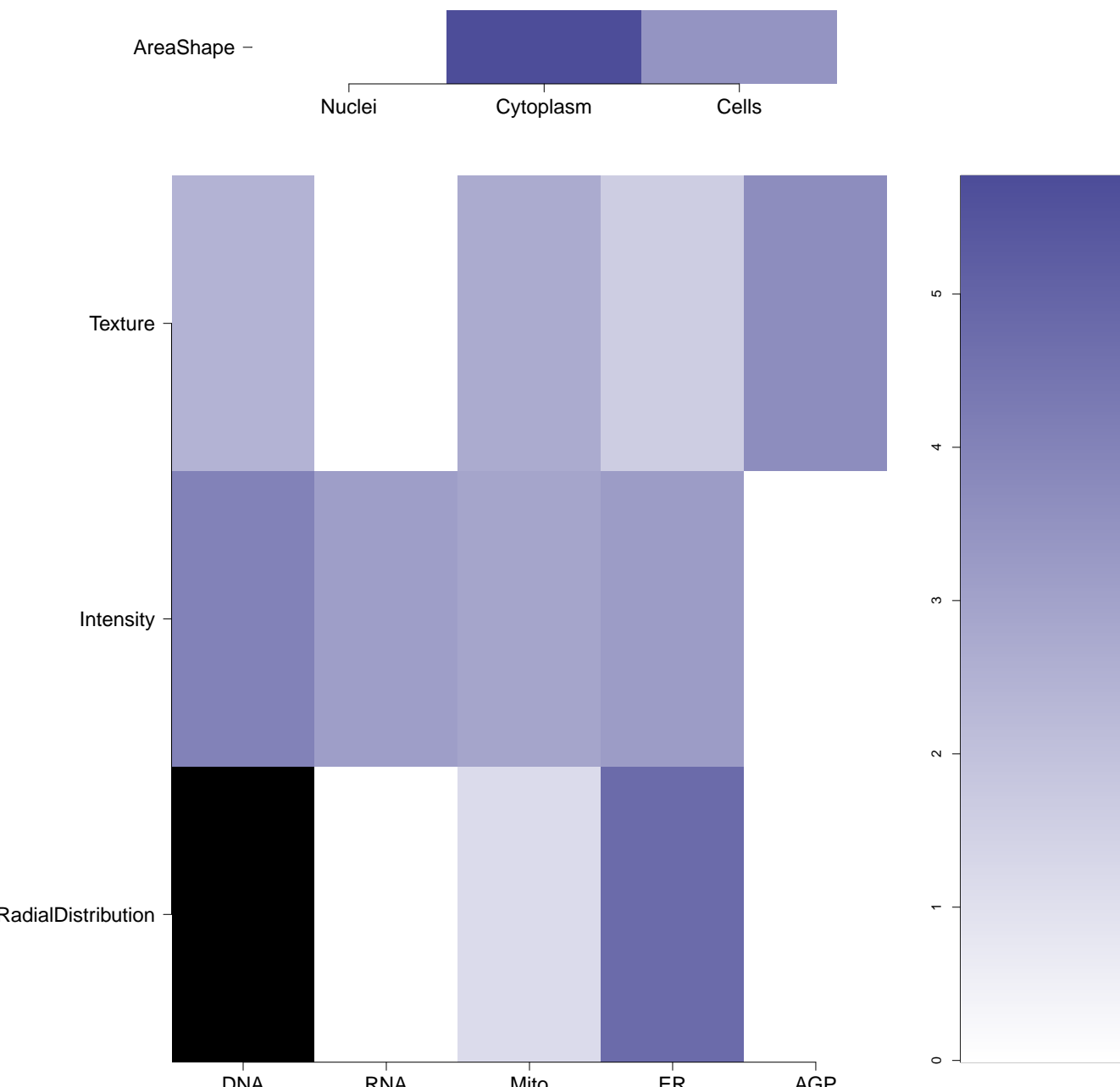
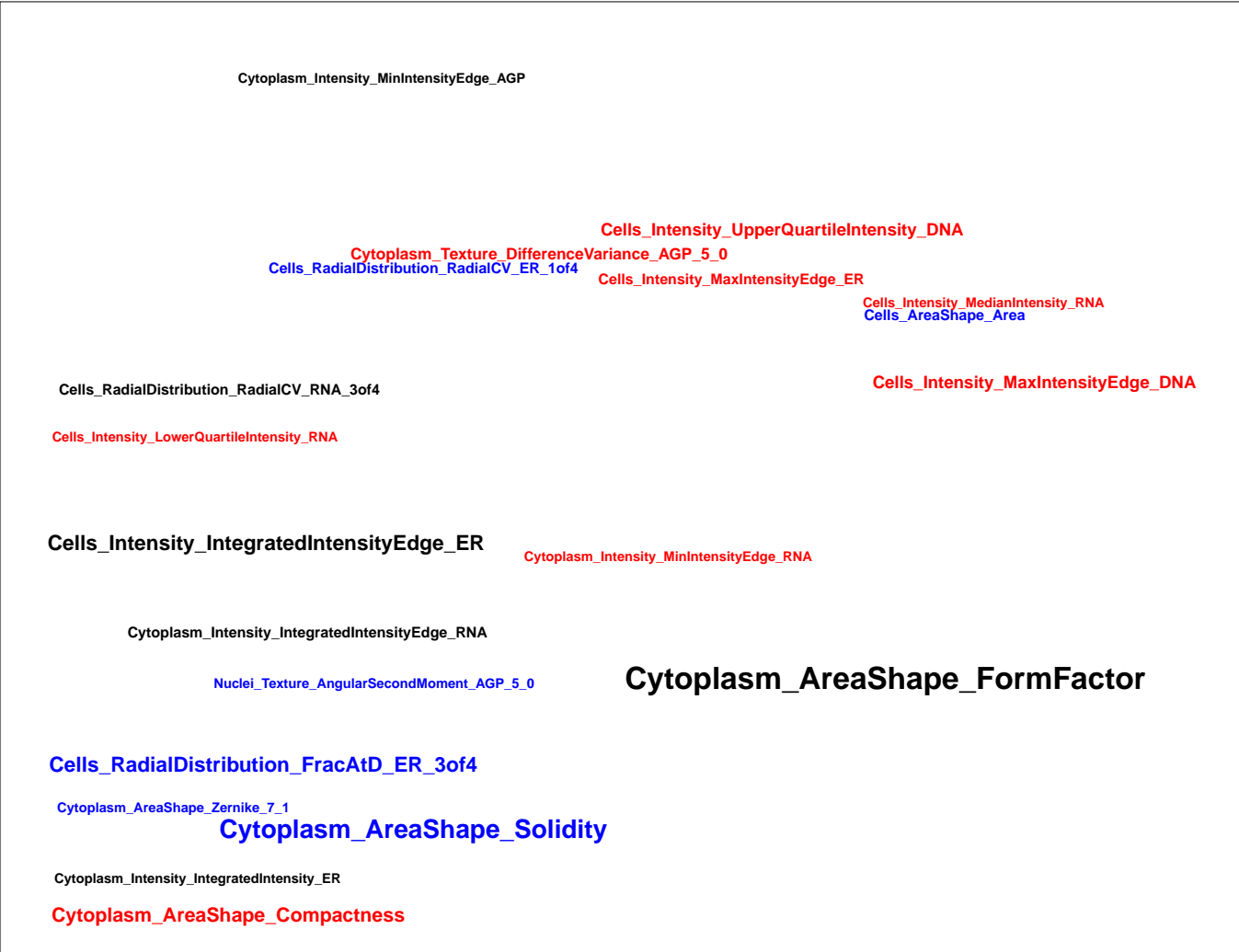
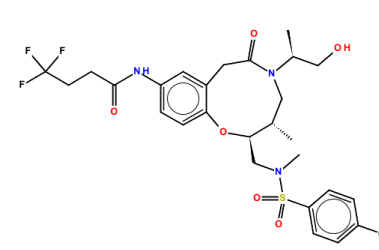
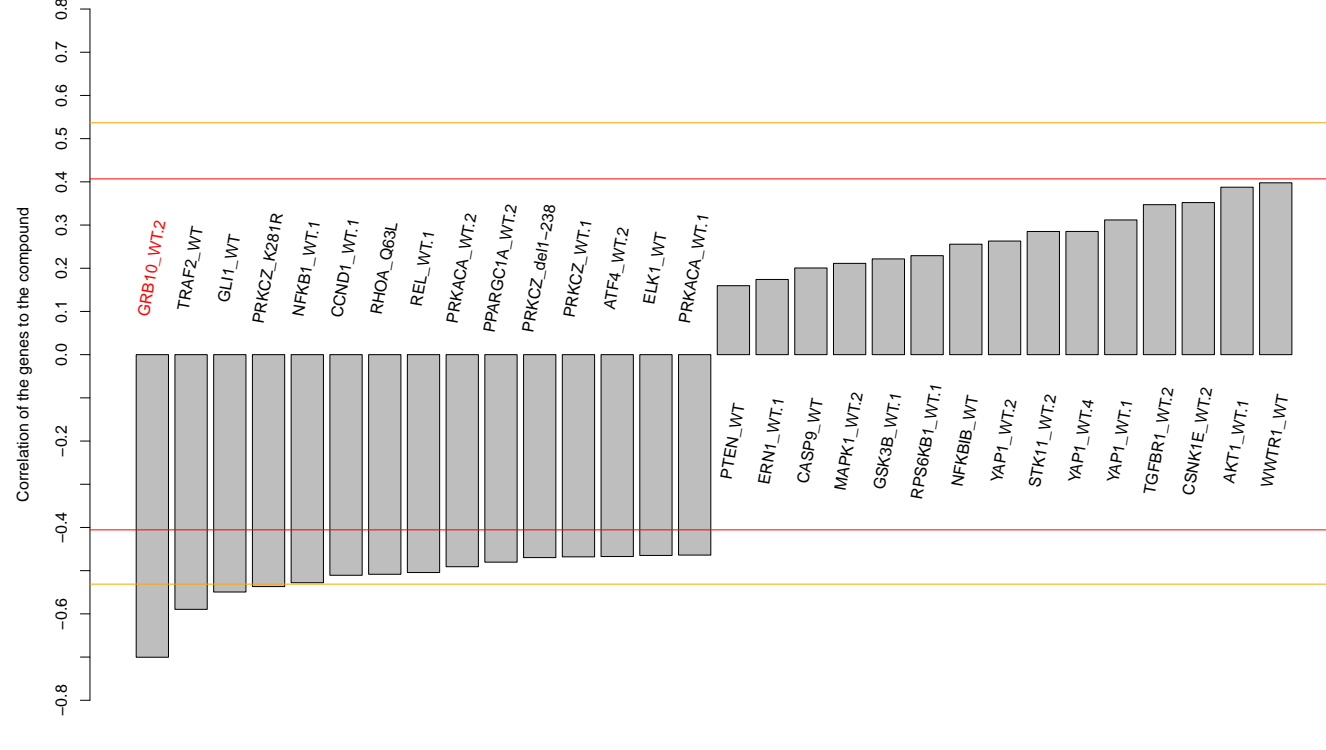
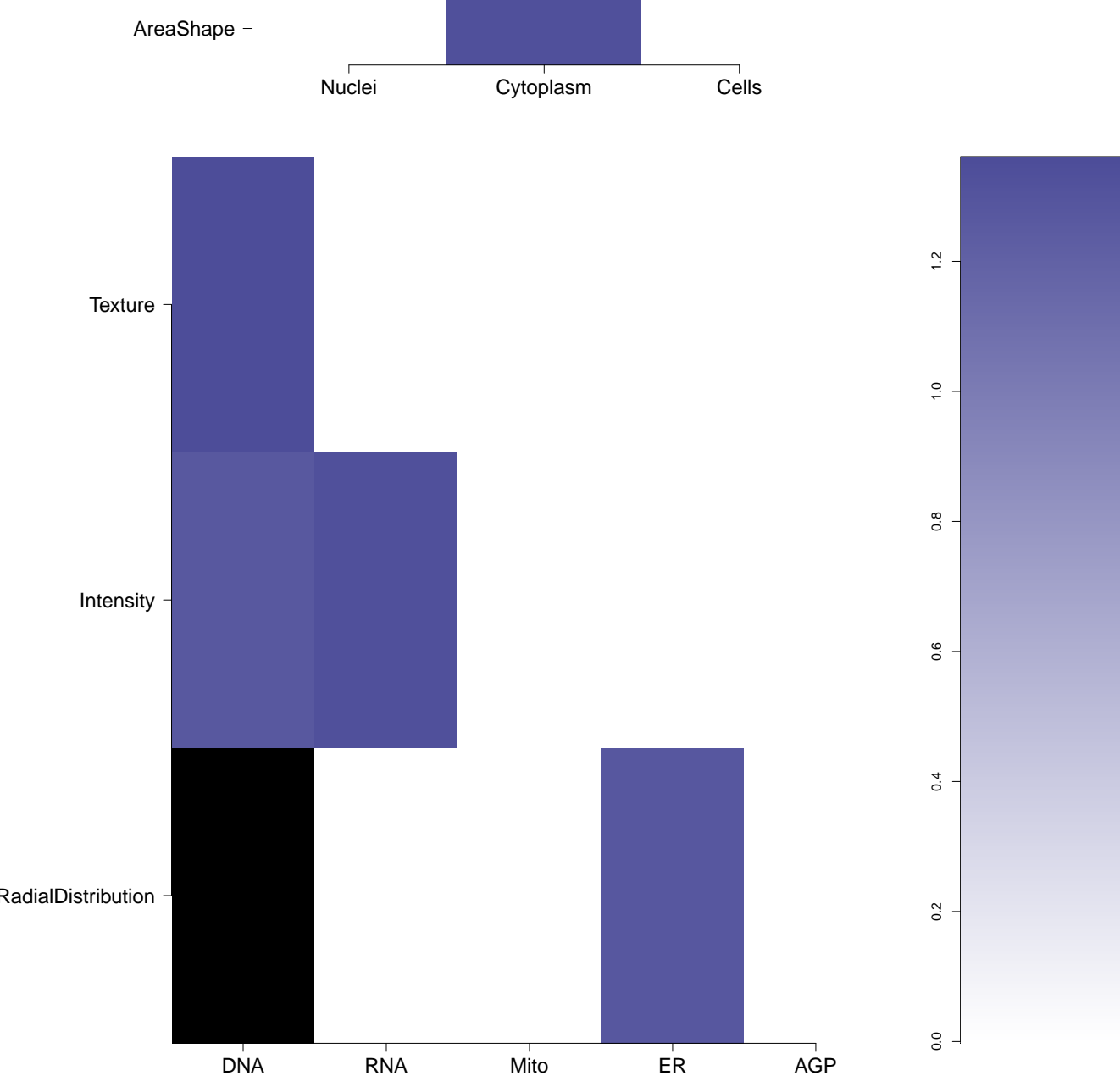
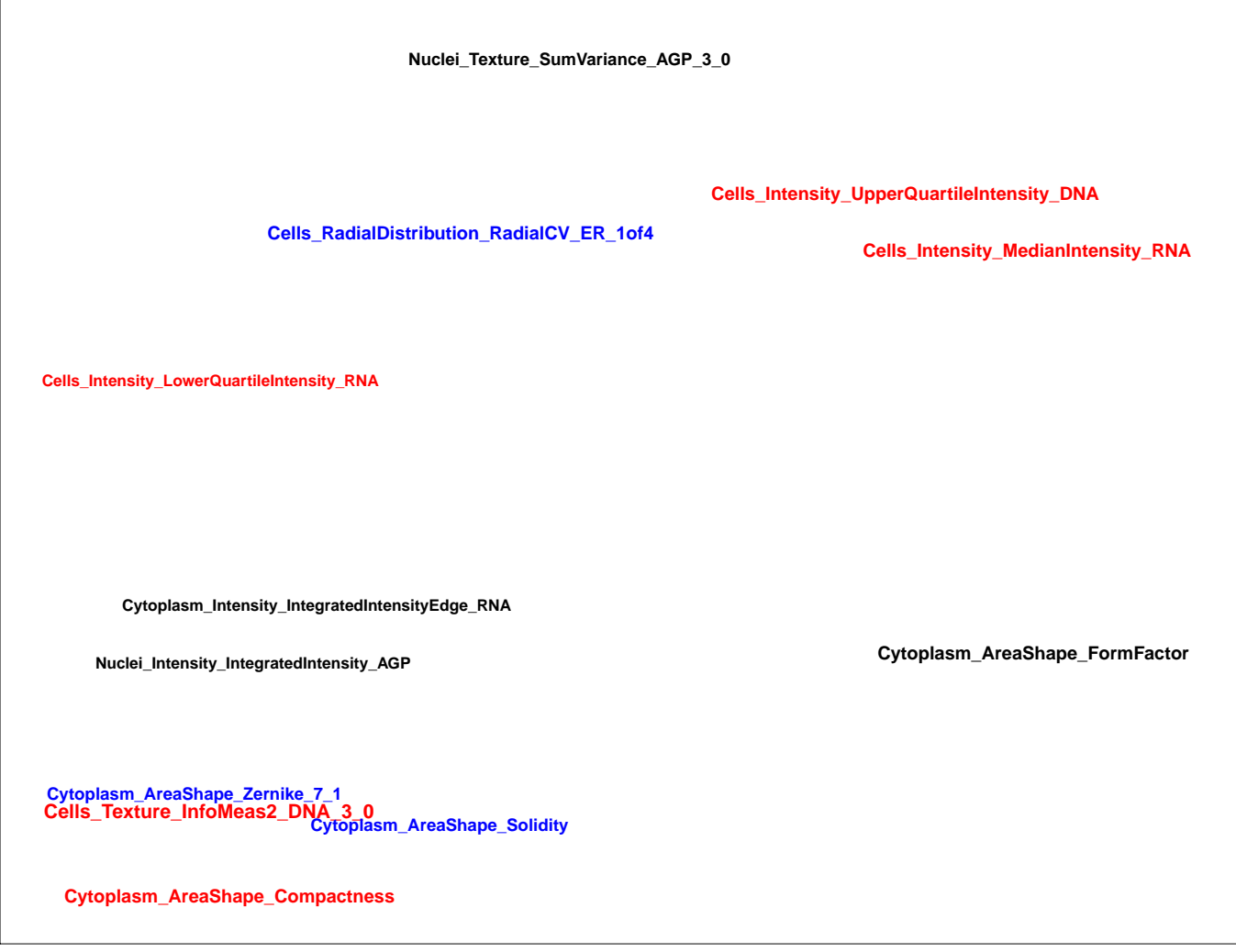


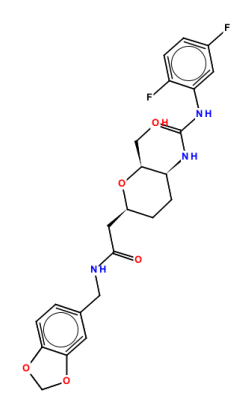
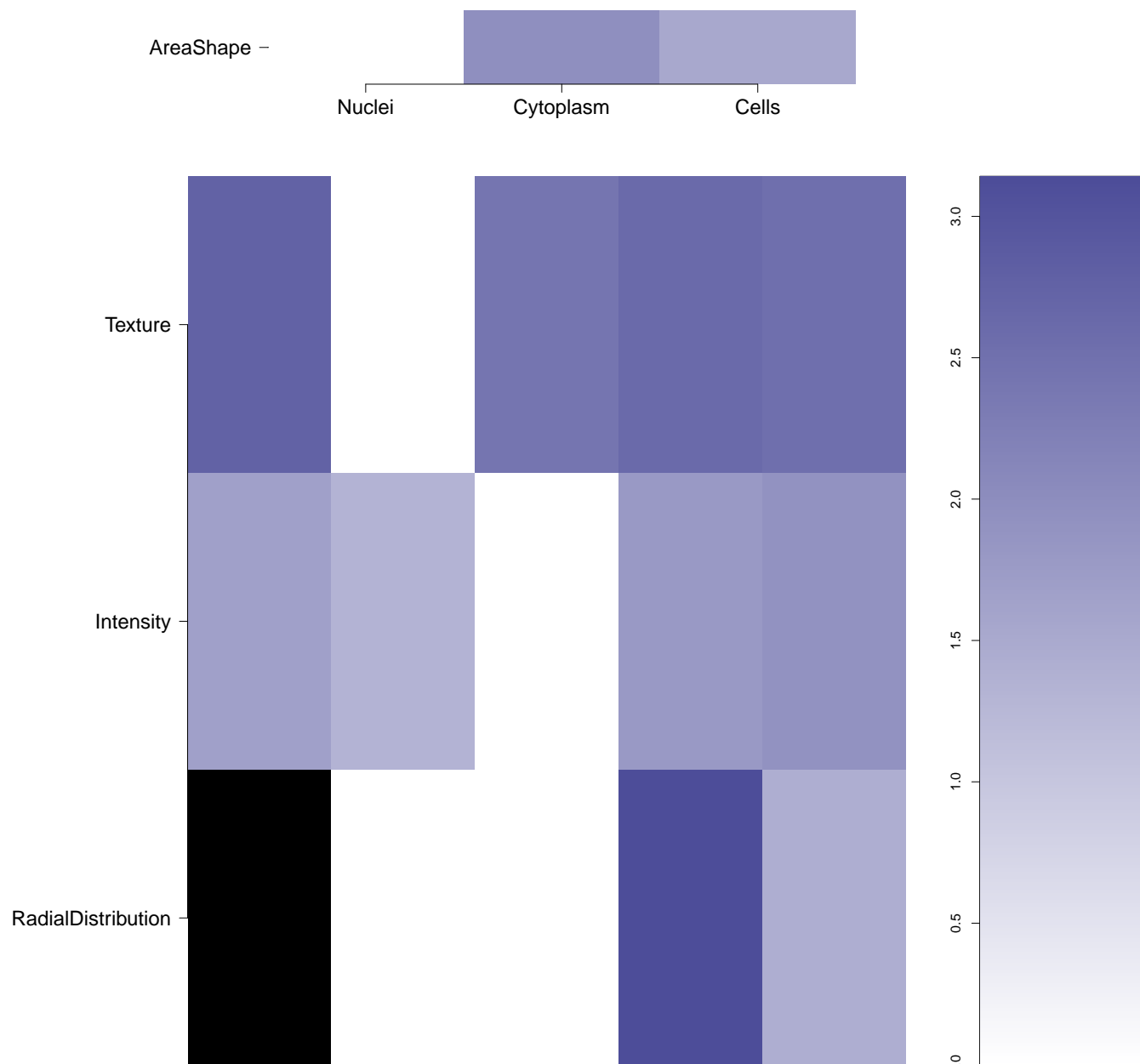
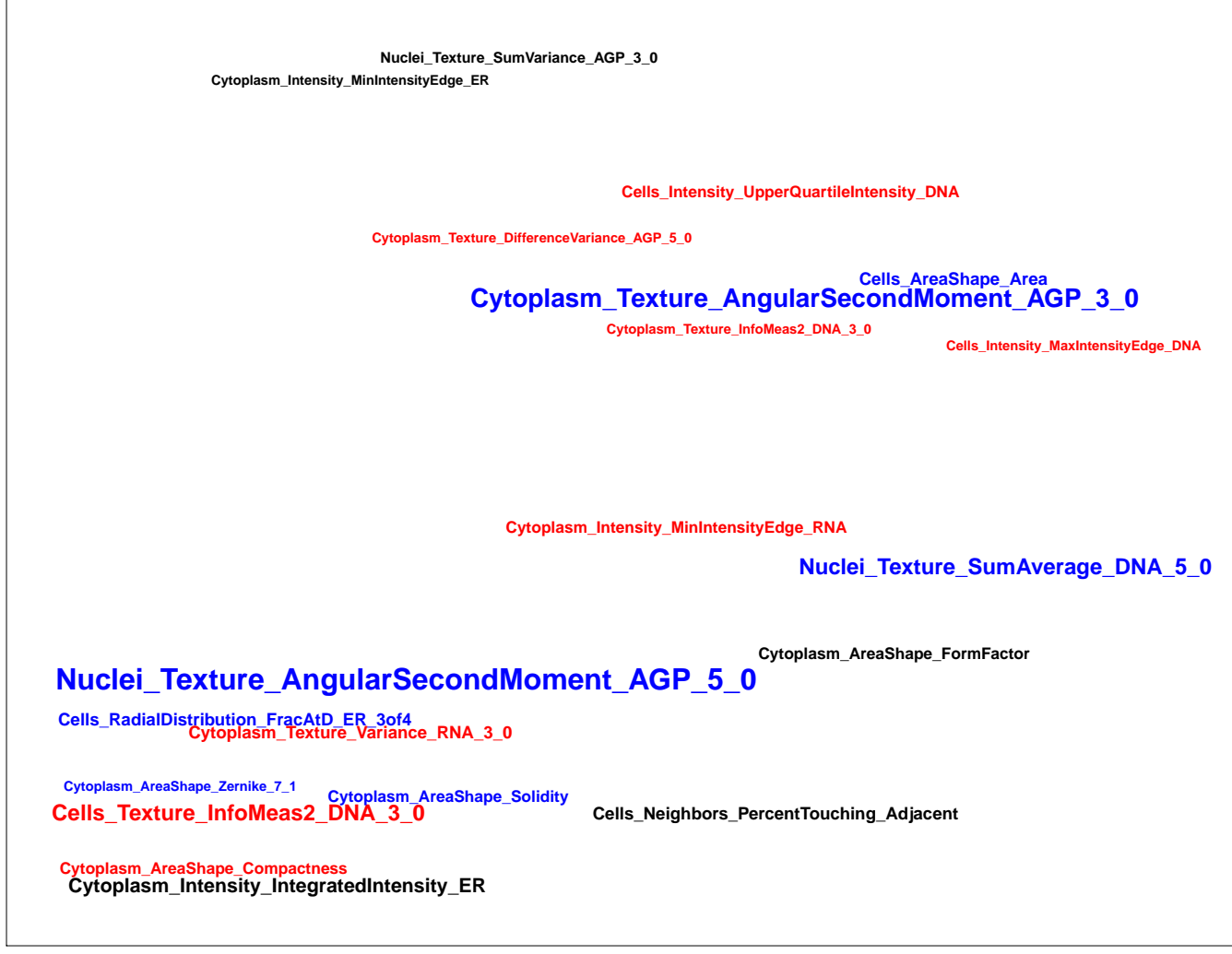
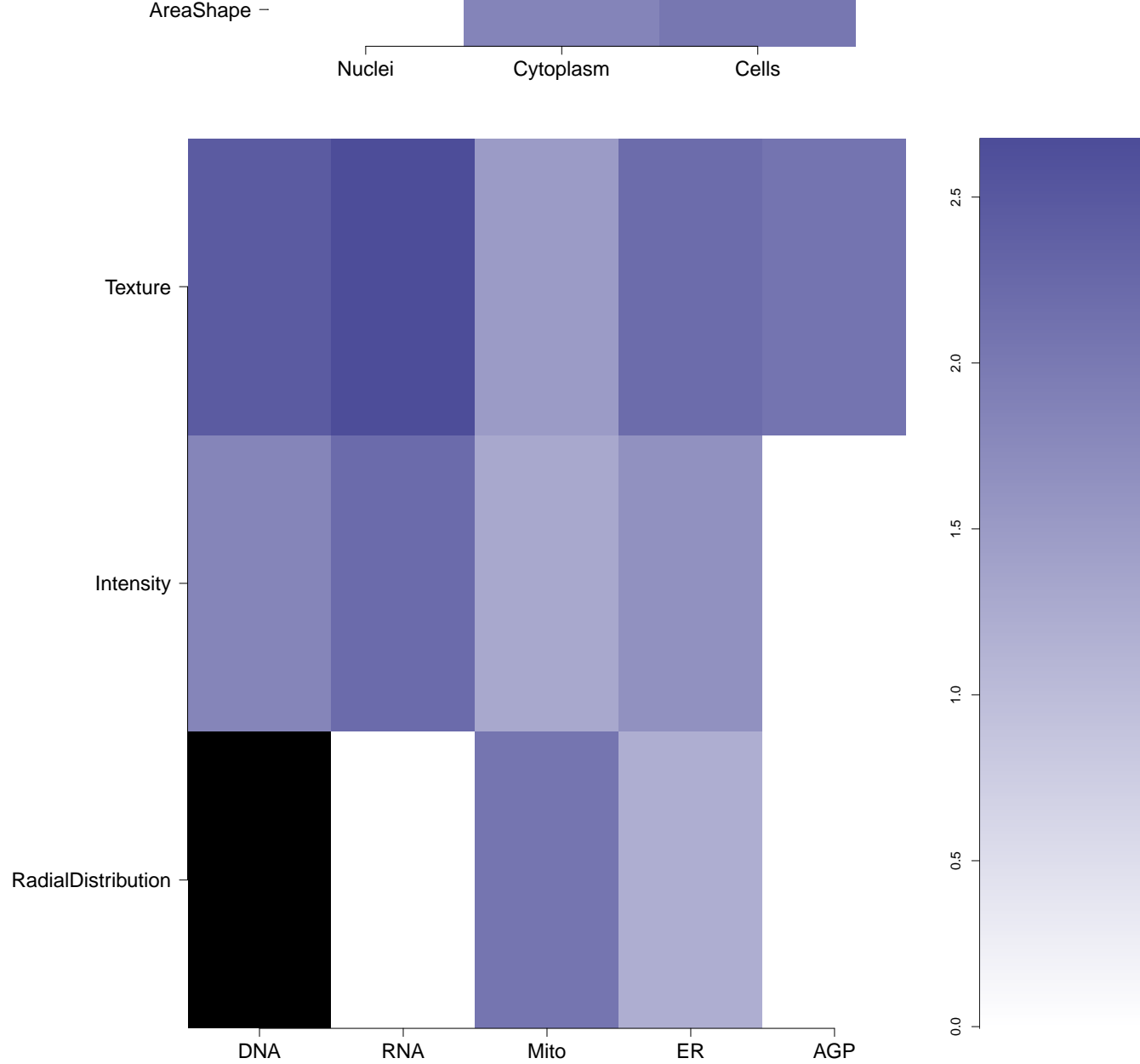
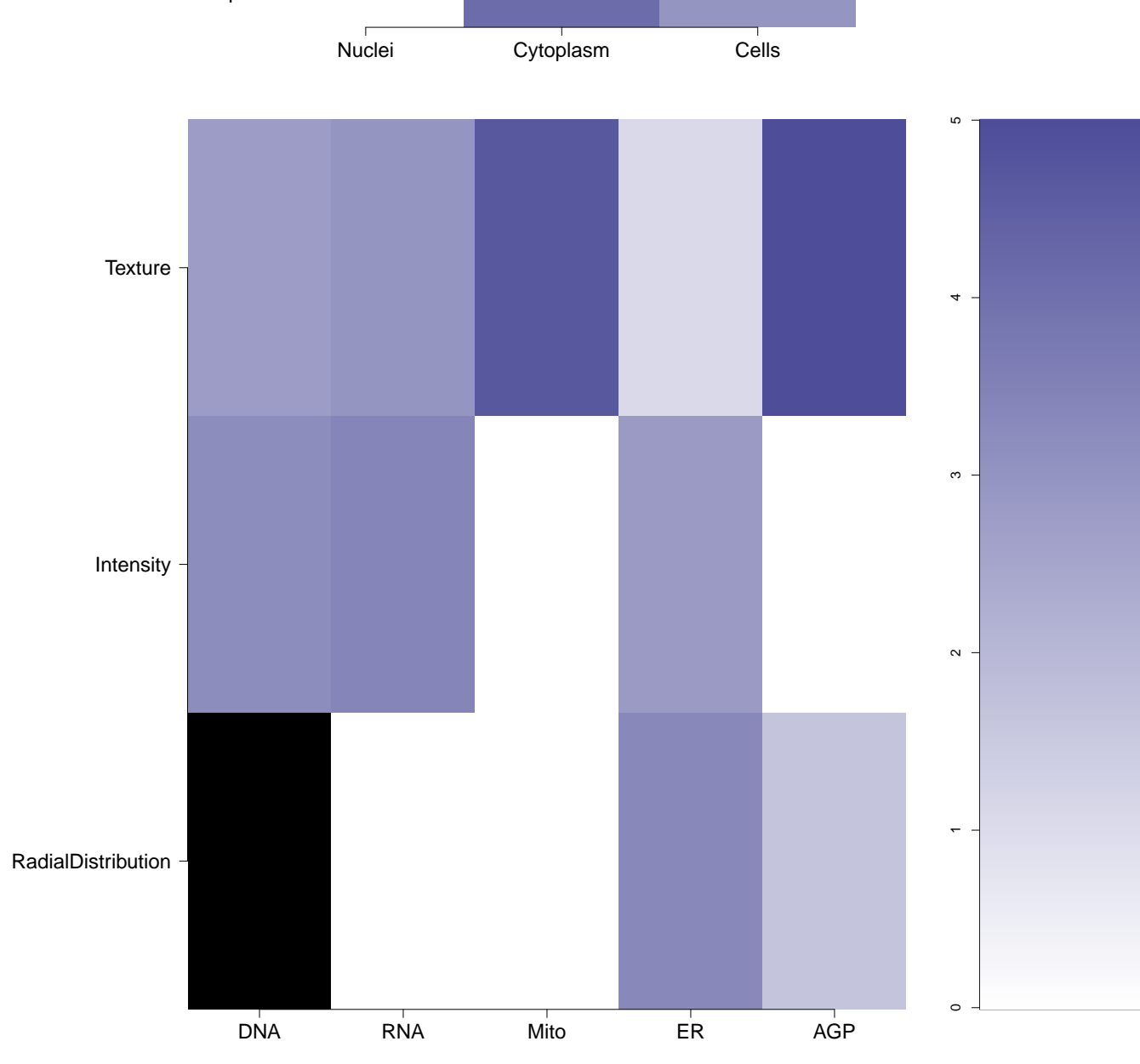
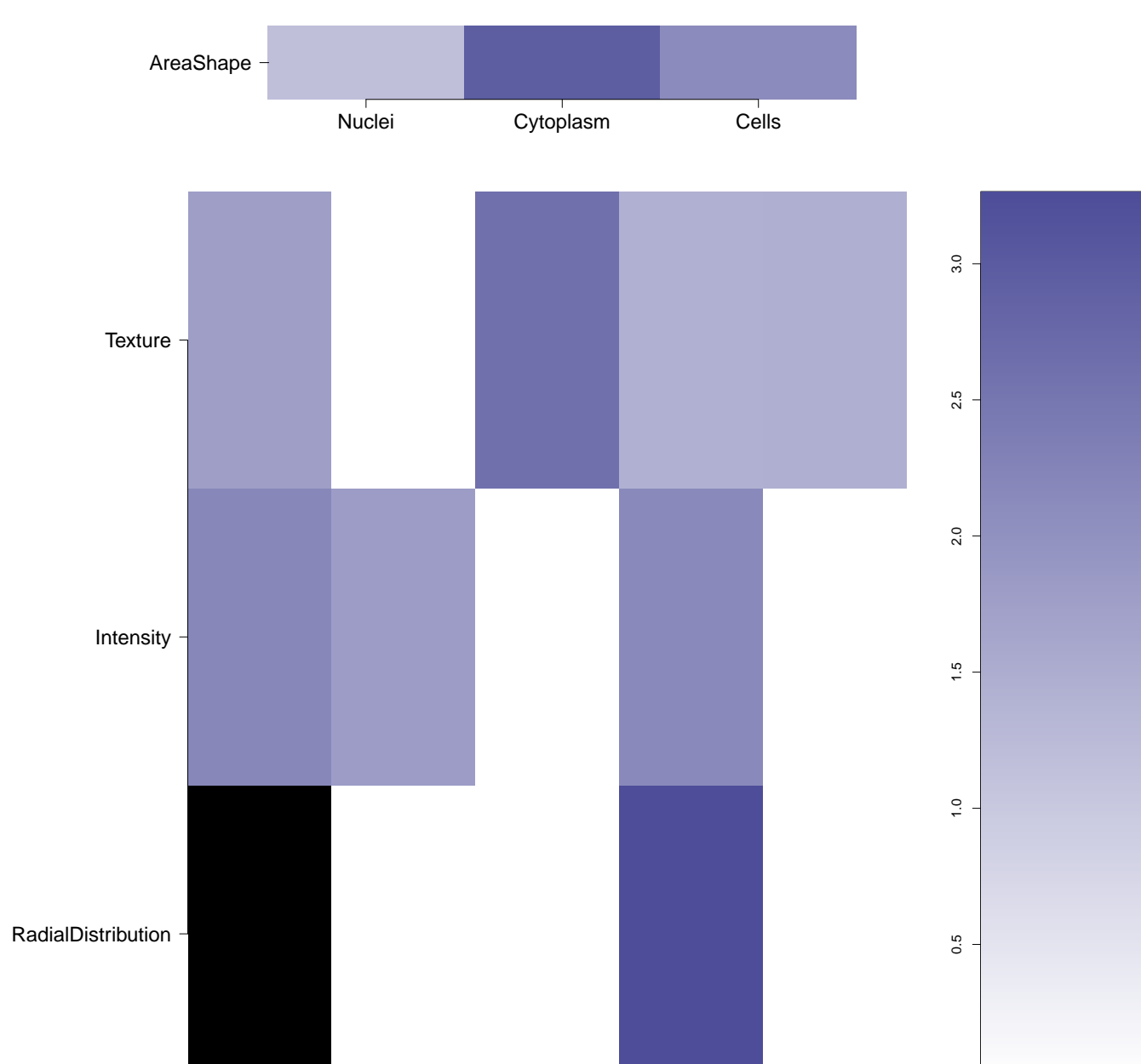

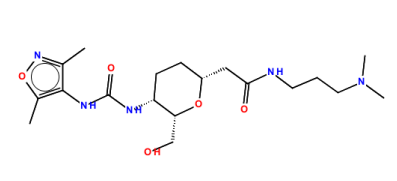
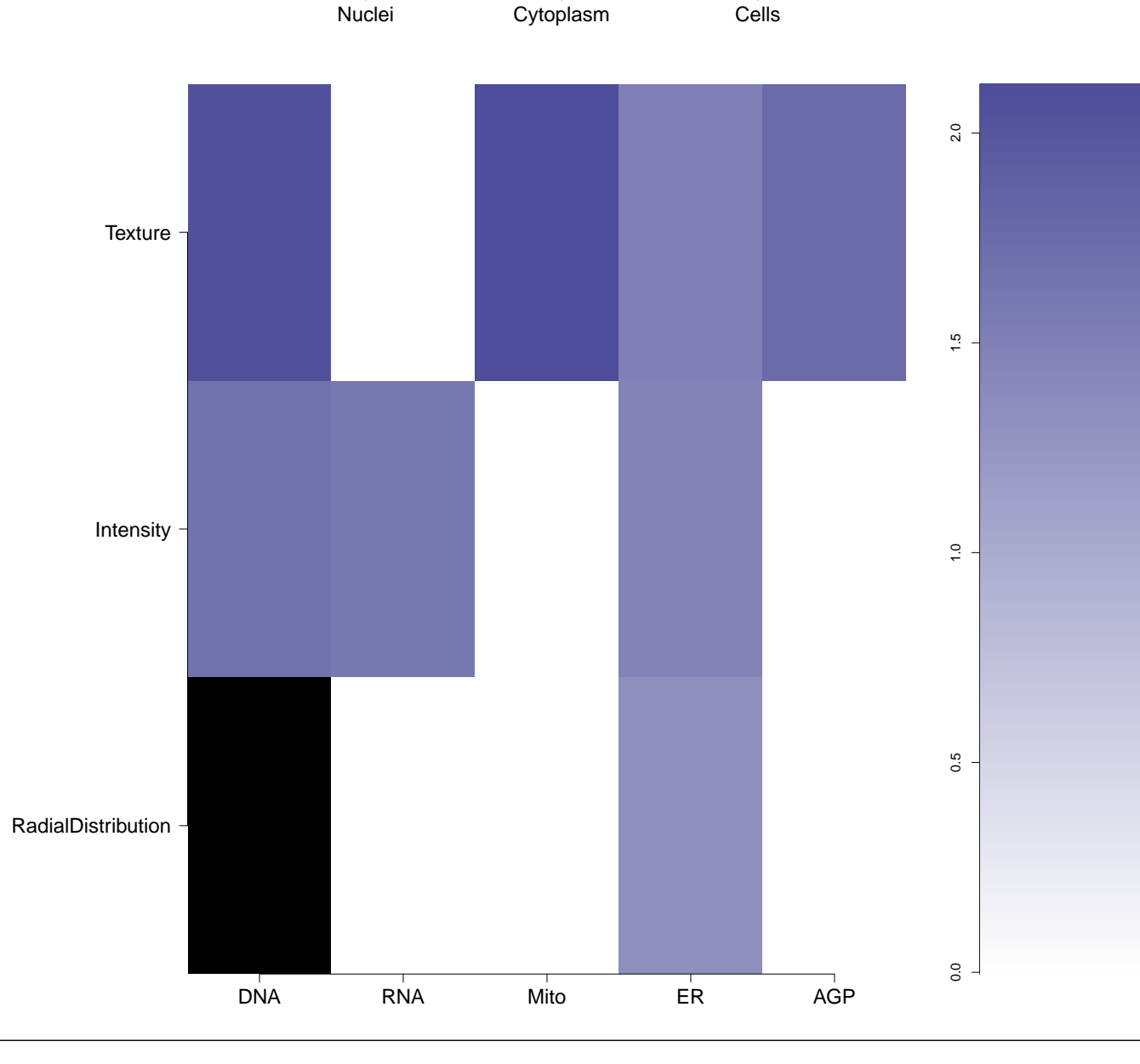
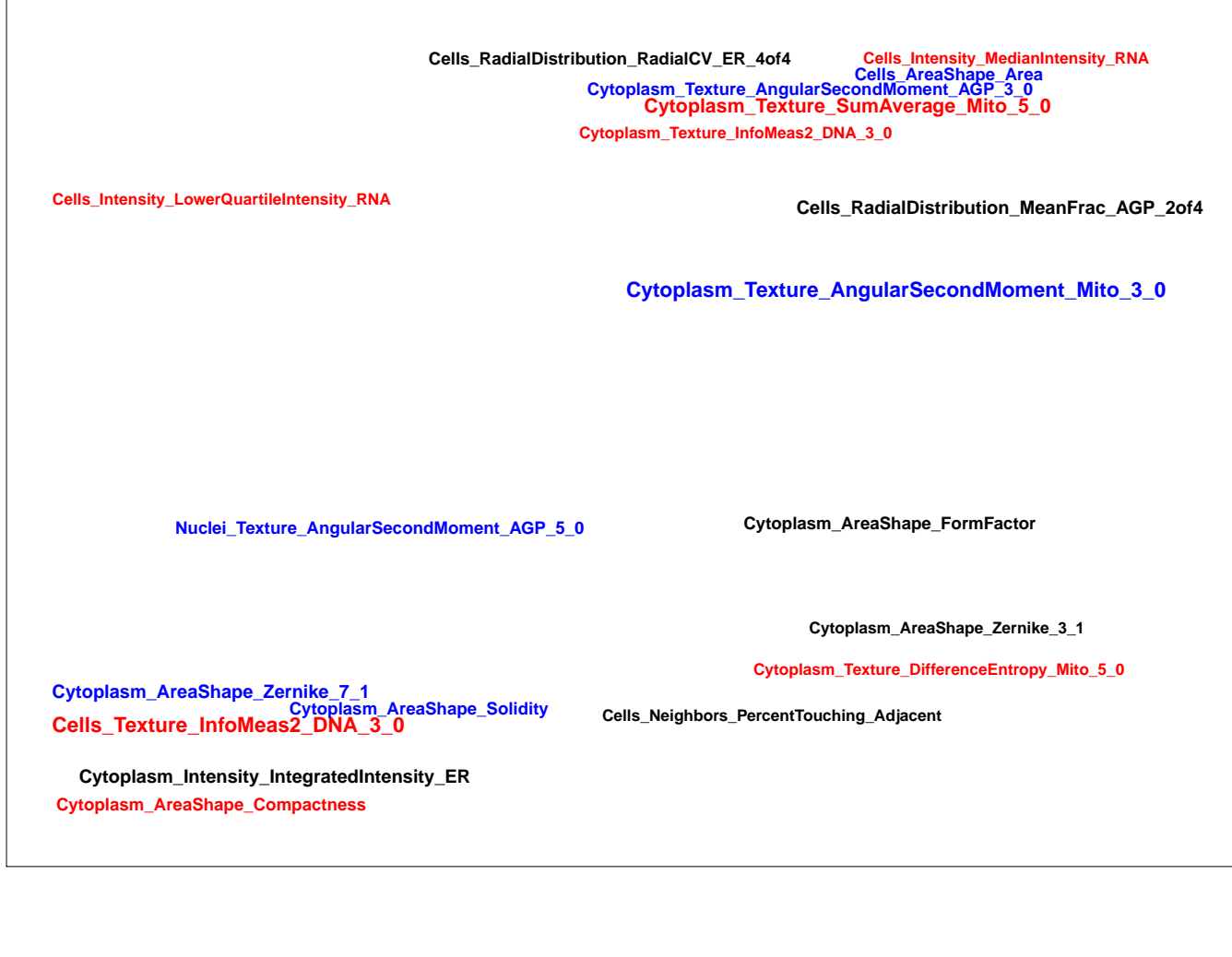
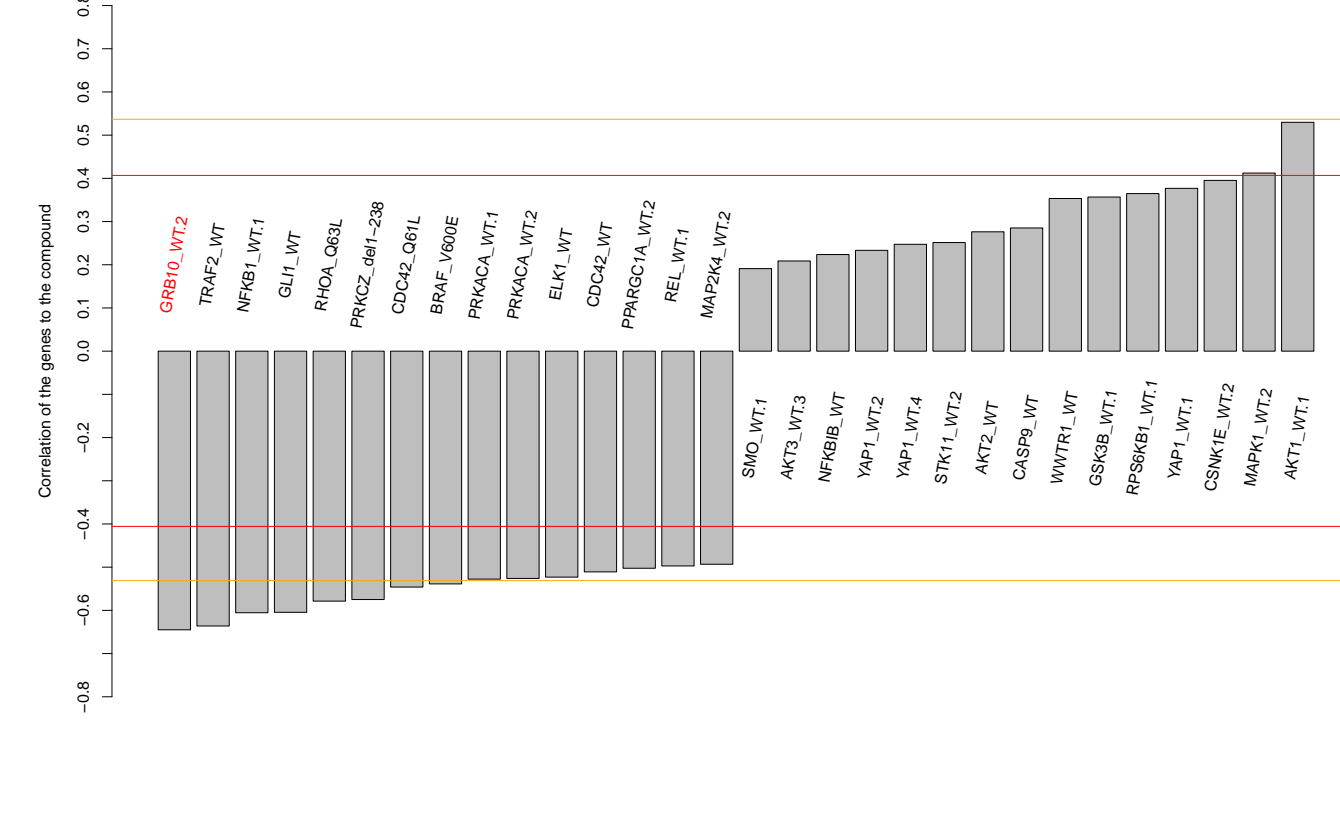
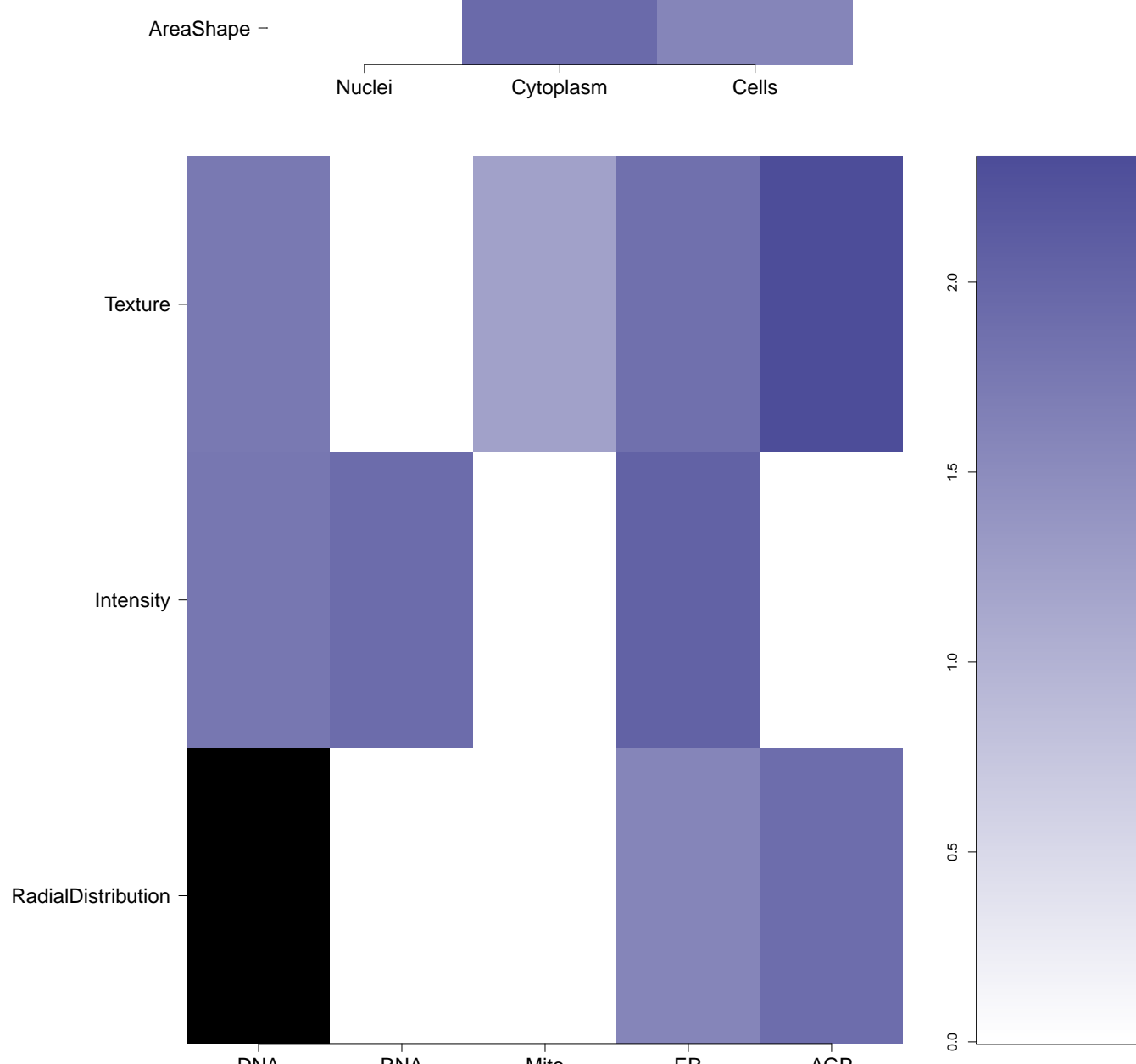
Mito



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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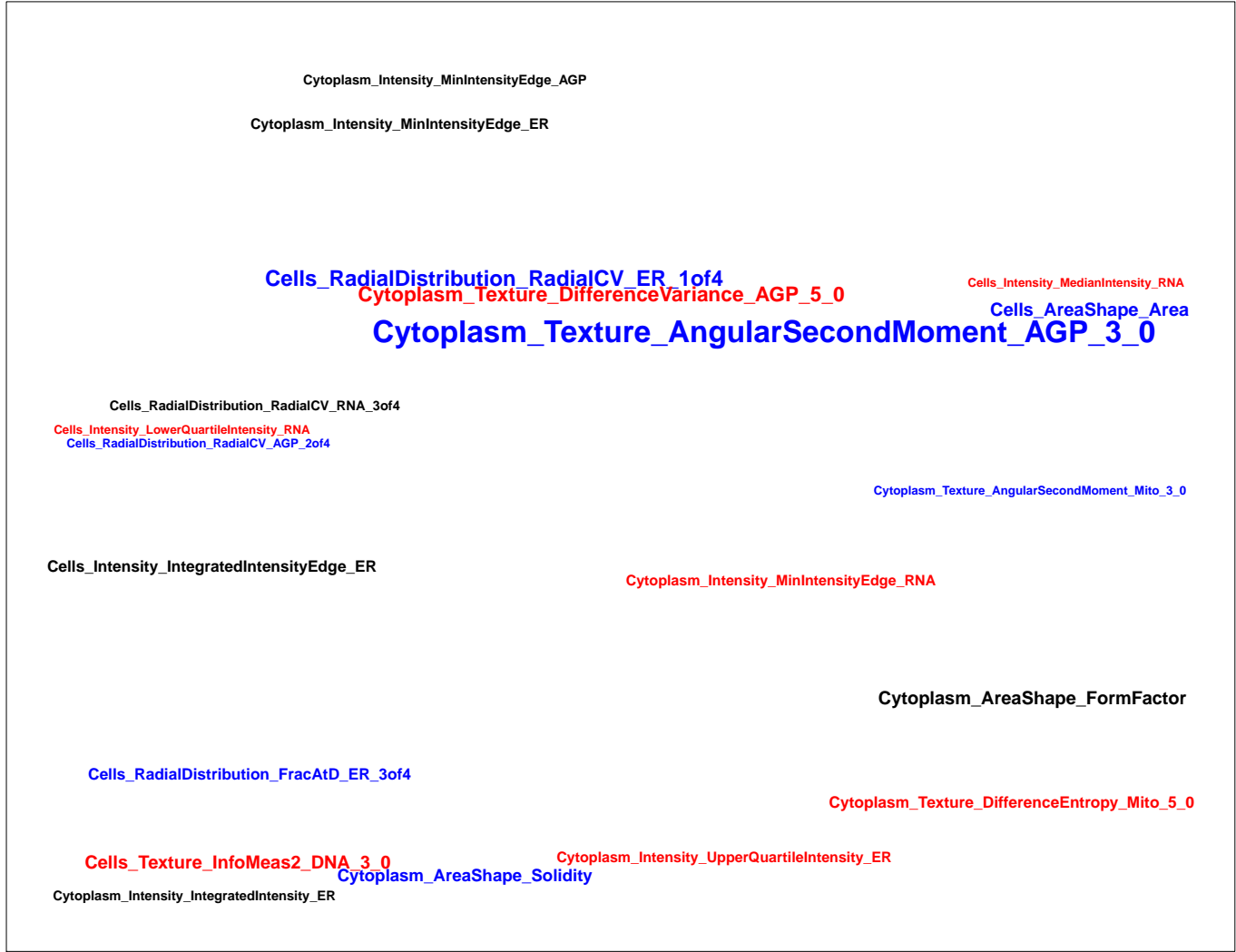
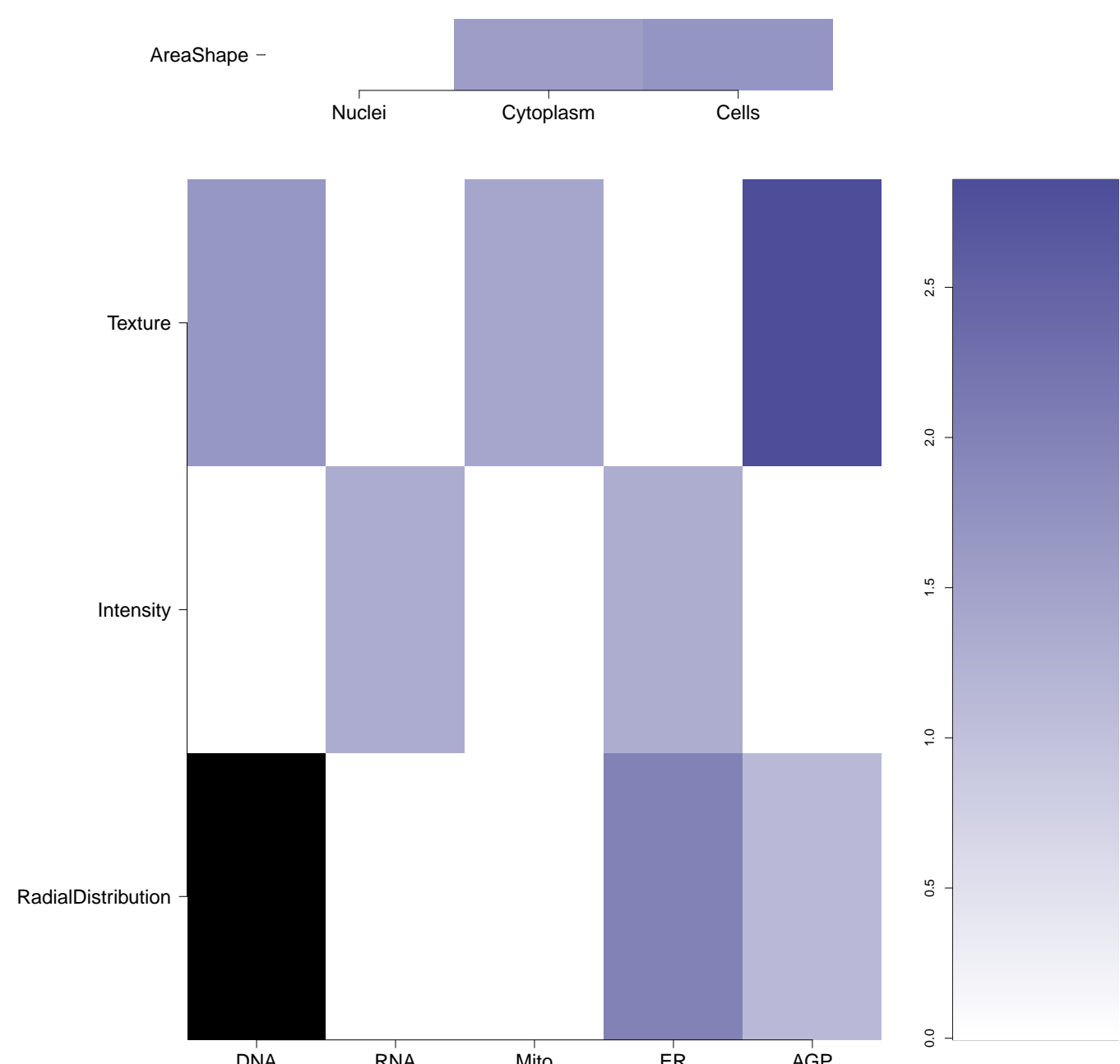
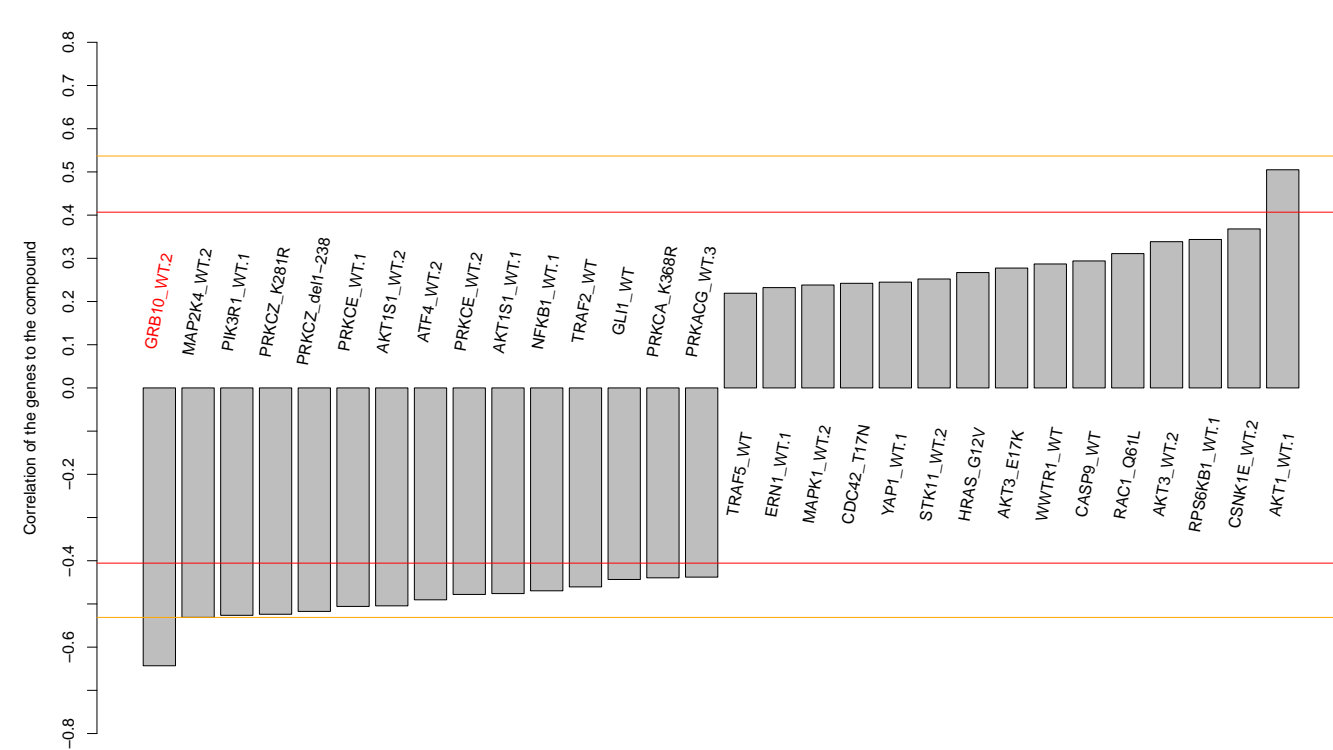
<p>BRD-K31425478-001-06-7</p> <p>MLS001004790</p> <p>SMR000348292</p> <p>AC1M54BY</p> <p>BDBM63762</p> <p>HMS2752P09</p> <p>ZINC38149239</p> <p>T0503-9481</p> <p>PubChem CID : 2321599</p>		NA (in 1 replicates)	0.72	NA				<p>Total number of assays tested in: 569. Active in the following assays:</p> <ul style="list-style-type: none">Luminescence Cell-Based Primary HTS to Identify Inhibitors of Heat Shock Factor 1 (HSF1). (AID 2098)qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)
<p>BRD-K93020827-001-05-1</p> <p>ZINC00816378</p> <p>BAS 09615699</p> <p>SMR000015176</p> <p>MLS000076577</p> <p>AC1LCQ1V</p> <p>MLS001385186</p> <p>HMS2396B23</p> <p>ZINC816378</p> <p>CCC-41713</p> <p>STK775374</p> <p>ST4102952</p> <p>PubChem CID : 654198</p>		NA (in 1 replicates)	0.67	NA				<p>Total number of assays tested in: 783. Active in the following assays:</p> <ul style="list-style-type: none">qHTS Assay for Spectroscopic Profiling in d-MU Spectral Region (AID 589)qHTS Assay for Spectroscopic Profiling in A350 Spectral Region (AID 590)Profiling the NIH Molecular Libraries Small Molecule Repository: Autofluorescence at 339/460 nm (AID 709)Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738)CYP2C9 Assay (AID 777)qHTS Assay for Allosteric/Competitive Inhibitors of Caspase-1: Spectroscopic Profiling in AFC Spectral Region (AID 923)A quantitative high throughput screen for small molecules that induce DNA re-replication in SW480 colon adenocarcinoma cells. (AID 624297)Counterscreen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483)Luminescence-based cell-based high throughput confirmation assay for inverse agonists of the liver receptor homolog-1 (LRH-1; NR5A2) (AID 651613)Counterscreen for inverse agonists of the liver receptor homolog-1 (LRH-1; NR5A2): Luminescence-based cell-based high throughput assay to identify inverse agonists of the Steroidogenic Factor 1 Nuclear Receptor (SF1; NR5A1) (AID 651614)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)
<p>BRD-K48977762-001-05-5</p> <p>T5286264</p> <p>SMR000243892</p> <p>AC1M8PEA</p> <p>MLS000707800</p> <p>MLS003913049</p> <p>HMS2550B23</p> <p>ZINC3373389</p> <p>PubChem CID : 2491151</p>		0.65 (in 3 replicates)	0.65	NA				<p>Total number of assays tested in: 644. Active in the following assays:</p> <ul style="list-style-type: none">Multiplex HTS Assay for Inhibitors of MEK Kinase PB1 Domains, specifically MEK5 MEK Kinased Wildtype (AID 1529)
<p>BRD-K17466510-001-04-4</p> <p>MLS000522778</p> <p>SMR000128044</p> <p>BDBM55419</p> <p>HMS2248P21</p> <p>ZINC5151854</p> <p>PubChem CID : 9551280</p>		0.61 (in 2 replicates)	0.63	NA				<p>Total number of assays tested in: 687. Active in the following assays:</p> <ul style="list-style-type: none">Human H69AR Lung Tumor Cell Growth Inhibition Assay - 86K Screen (AID 598)qHTS of small molecular inhibitors for p47phox, a regulatory protein of NADPH oxidases (Noxs) (AID 1274)HTS for small molecule inhibitors of CHOP to regulate the unfolded protein response to ER stress (AID 2732)HTS Assay for Compounds that Act as Agonists of the Vanilloid Receptor 1 (AID 540275)qHTS for Inhibitors of KCHN2 3.1: Mutant qHTS (AID 720533)
<p>BRD-K87511565-001-05-3</p> <p>ZINC04772897</p> <p>AC1NZHCA</p> <p>MLS000588944</p> <p>HMS2745D09</p> <p>ZINC4772897</p> <p>STL323181</p> <p>SMR000212578</p> <p>PubChem CID : 5908361</p>		0.68 (in 4 replicates)	0.62	NA				<p>Total number of assays tested in: 552. Active in the following assays:</p> <ul style="list-style-type: none">MLPCN Alpha-Synuclein 5'UTR - 5'UTR binding - activators (AID 1814)Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)qHTS Assay for NPC1 Promoter Activators (AID 485313)
<p>BRD-K86295081-001-05-9</p> <p>AC1MDOP1</p> <p>MLS000860649</p> <p>HMS1303J17</p> <p>HMS2795J16</p> <p>ZINC19835223</p> <p>ID11 001255</p> <p>SMR000458733</p> <p>PubChem CID : 2814435</p>		0.72 (in 4 replicates)	0.62	NA				<p>Total number of assays tested in: 578. Active in the following assays:</p> <ul style="list-style-type: none">Allotseric Agonists of the Human D1 Dopamine Receptor: qHTS (AID 504660)Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 96 hour incubation (AID 504832)Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 96 hour incubation (AID 504834)qHTS Assay for Activators of ClpP (AID 651965)

<p>BRD-K08134664-001-05-0</p> <p>STK580675</p> <p>MLS000331981</p> <p>AC1LZLT8</p> <p>HMS2612D05</p> <p>ZINC5695540</p> <p>STK784167</p> <p>ZINC05695540</p> <p>BAS 12915187</p> <p>SMR000221512</p> <p>ST50294284</p> <p>PubChem CID : 1952606</p>		<p>NA (in 1 replicates)</p>	<p>0.61</p>	<p>NA</p>				<p>Total number of assays tested in: 637. Active in the following assays:</p> <ul style="list-style-type: none"> qHTS Assay for Inhibitors of HPGD (15-Hydroxyprostaglandin Dehydrogenase) (AID 894) Primary biochemical high throughput screening assay to identify inhibitors of VIM-2 metallo-beta-lactamase (AID 1527) QFRET-based primary biochemical high throughput screening assay to identify inhibitors of the Plasmodium falciparum M18 Aspartyl Aminopeptidase (PFM18AAP). (AID 1822) FRET-based counterscreen assay for selective VIM-2 inhibitors: biochemical high throughput screening assay to identify epi-absorbance assay artifacts (AID 1857) Epi-absorbance-based confirmation assay for common VIM-2 and IMP-1 inhibitors: biochemical high throughput screening assay to identify inhibitors of VIM-2 metallo-beta-lactamase. (AID 2187) qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) HTS-Luminescent assay for inhibitors of ALR by detection of hydrogen peroxide production Measured in Biochemical System Using Plate Reader - 2036-02 Inhibitor.SinglePoint.HTS (AID 485317) qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332) qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339)
<p>BRD-K94632294-001-05-6</p> <p>MLS000551178</p> <p>AC1NSIFP</p> <p>ZINC8577566</p> <p>STK430001</p> <p>BAS 00541958</p> <p>SMR000175400</p> <p>ST50911019</p> <p>5543-52-2</p> <p>PubChem CID : 5334622</p>		<p>0.53 (in 4 replicates)</p>	<p>0.60</p>	<p>NA</p>				<p>Total number of assays tested in: 665. Active in the following assays:</p> <ul style="list-style-type: none"> Luminescent assay for HTS discovery of chemical activators of placental alkaline phosphatase (AID 696) qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) A small molecule screen for inhibitors of the PhoP regulon in Salmonella typhi (AID 1850) Cytochrome panel assay with activity outcomes (AID 1851) A screen for inhibitors of the PhoP regulon in Salmonella Typhi using a modified counterscreen (AID 1985) A cytotoxicity screen of small molecule inhibitors of the PhoP regulon in Salmonella typhi identified in the primary screen (AID 2252) Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) A counters screen for small molecule screen for inhibitors of the PhoP regulon in Salmonella typhi (AID 2384) qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551) qHTS Assay for Inhibitors of BAZ2B (AID 50333) ARNT-TAC3: AlphaScreen HTS to detect disruption of ARNT/TAC3 interactions Measured in Biochemical System Using Plate Reader - 2158-01 Inhibitor.SinglePoint.HTS Activity (AID 623870) qHTS Assay for Inhibitors of the CbBP/E1A Interaction (AID 651724) qHTS Assay for Inhibitors of the Six1/Eya2 Interaction (AID 651725)
<p>BRD-K62982533-001-01-3</p> <p>PubChem CID : 54614861</p>		<p>0.71 (in 4 replicates)</p>	<p>0.60</p>	<p>0.030</p>				<p>Total number of assays tested in: 35.</p>
<p>BRD-A88118845-001-05-0</p> <p>MLS000727621</p> <p>SMR000306318</p> <p>BDBM53617</p> <p>HMS2675D10</p> <p>PubChem CID : 16188600</p>		<p>0.69 (in 4 replicates)</p>	<p>0.60</p>	<p>NA</p>				<p>Total number of assays tested in: 616. Active in the following assays:</p> <ul style="list-style-type: none"> Leishmania major promastigote HTS (AID 1063) HTS identification of compounds activating phosphomannose isomerase (PMI) via a fluorescence intensity assay. (AID 1214) HTS identification of compounds activating phosphomannose isomerase (PMI) via a fluorescence intensity assay using a near-saturating concentration of mannose 6-phosphat (AID 1216) qHTS Assay for Inhibitors of Bacillus subtilis Sfp phosphopantetheinyl transferase (PPTase) (AID 1490) qHTS Assay for Inhibitors and Activators of Human alpha-Glucosidase Cleavage of Glycogen (AID 2100) Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) Luminescence Microorganism Primary HTS to Identify Inhibitors of the SUMOylation Pathway Using a Temperature Sensitive Growth Reversal Mutant Mor1-301 (AID 2716) qHTS Assay for Inhibitors of JMJD2A-Tudor Domain (AID 504339) qHTS screen for small molecules that inhibit ELG1-dependent DNA repair in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504467) Small Molecule Inhibitors of FGF22-Mediated Excitatory Synaptogenesis and Epilepsy Measured in Biochemical System Using RT-PCR - 7012-01 Inhibitor.SinglePoint.HTS Activity (AID 651658)
<p>BRD-K21384842-001-01-8</p> <p>PubChem CID : 54645807</p>		<p>NA (in 1 replicates)</p>	<p>-0.70</p>	<p>0.299</p>				<p>Total number of assays tested in: 39. Active in the following assays:</p> <ul style="list-style-type: none"> IL1beta eGFP -dsRED non-canonical Pathway Differentiation Measured in Cell-Based System Using Flow Cytometry - 2122-09 Inhibitor.Dose.DryPowder.Activity (AID 652046)
<p>BRD-K41809155-001-01-1</p> <p>PubChem CID : 44501714</p>		<p>0.66 (in 3 replicates)</p>	<p>-0.70</p>	<p>0.299</p>				<p>Total number of assays tested in: 47.</p>

BRD-K89009198-001-01-0 PubChem CID : 54641370		NA (in 1 replicates)	-0.69	NA				Total number of assays tested in: 38.
BRD-K70485249-001-01-2 PubChem CID : 54641366		NA (in 1 replicates)	-0.68	NA				Total number of assays tested in: 37.
BRD-K82622700-001-01-8 PubChem CID : 54641068		NA (in 1 replicates)	-0.68	NA				Total number of assays tested in: 38.
BRD-K40442760-001-01-9 PubChem CID : 54645809		NA (in 1 replicates)	-0.68	0.202				Total number of assays tested in: 39.
BRD-K22253301-001-01-8 PubChem CID : 54645969		NA (in 1 replicates)	-0.67	0.299				Total number of assays tested in: 41. Active in the following assays: <ul style="list-style-type: none"> Inhibition of Teruzzi proliferation in culture Measured in Cell-Based System Using Plate Reader - 2138-01 Inhibitor.SinglePoint.HTS.Activity (AID 624255) Inhibition of Teruzzi proliferation in culture Measured in Cell-Based System Using Plate Reader - 2138-01 Inhibitor.SinglePoint.CherryPick.Activity (AID 651739)
BRD-K71538933-001-01-8 PubChem CID : 54641004		0.86 (in 4 replicates)	-0.65	0.795				Total number of assays tested in: 38.
BRD-K11880681-001-01-1 PubChem CID : 56835202		0.74 (in 3 replicates)	-0.64	0.299				Total number of assays tested in: 34.

-0.64

NA



Total number of assays tested in: 798. Active in the following assays:

- Screening for Inhibitors of the Mevalonate Pathway in *Streptococcus Pneumoniae* - DPM-DC (AID 556)
- HTS for small molecule inhibitors of CHOP to regulate the unfolded protein response to ER stress (AID 2732)
- Luminescence-based primary cell-based high-throughput screening assay to identify inhibitors of the orphan nuclear receptor subfamily 0, group B, member 1 (DAX1; NR0B1) (AID 50476)
- Luminescence-based cell-based primary high-throughput screening assay to identify biased ligands of the melanocortin 4 receptor (MC4R) agonists of MC4R (AID 540308)