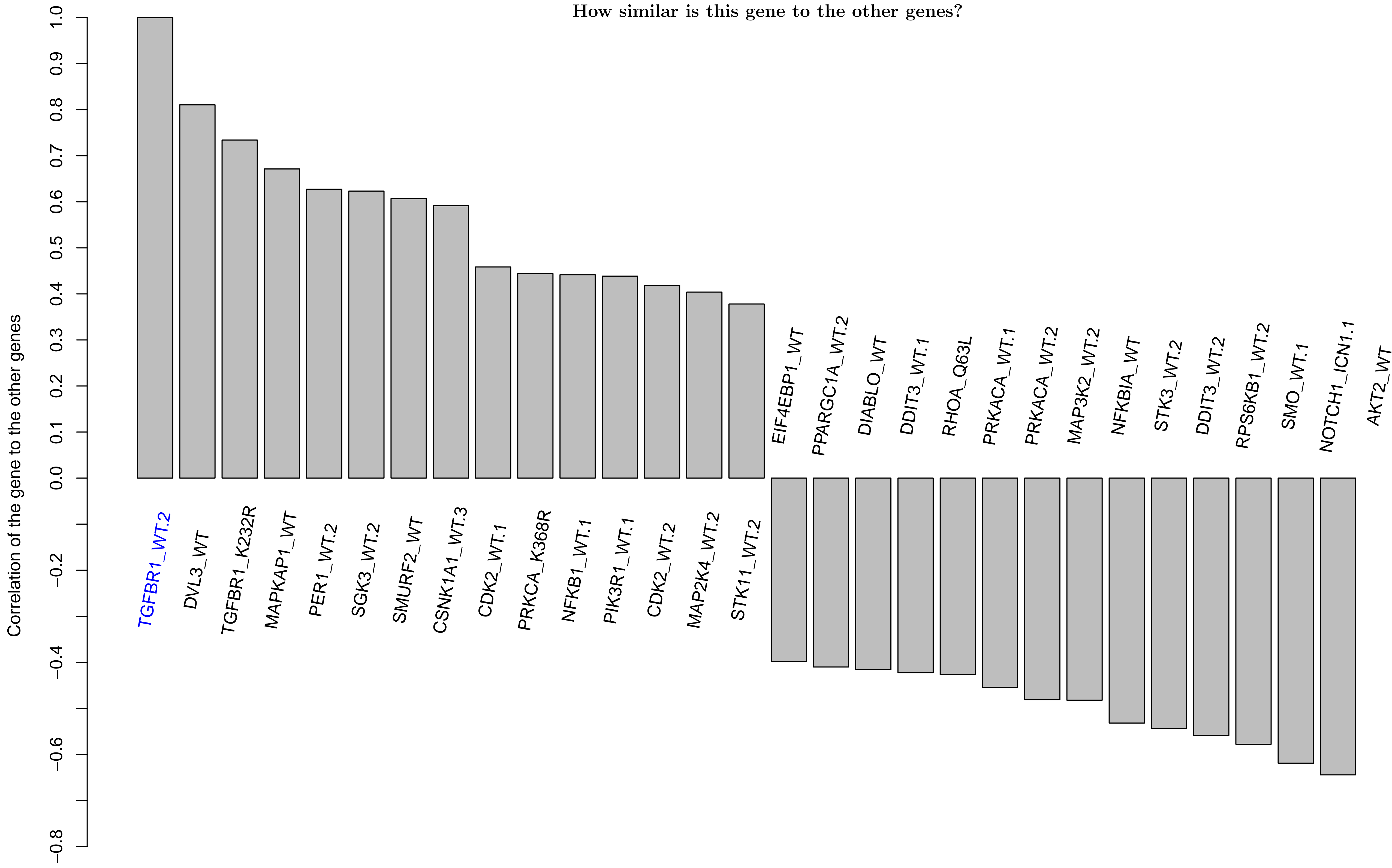
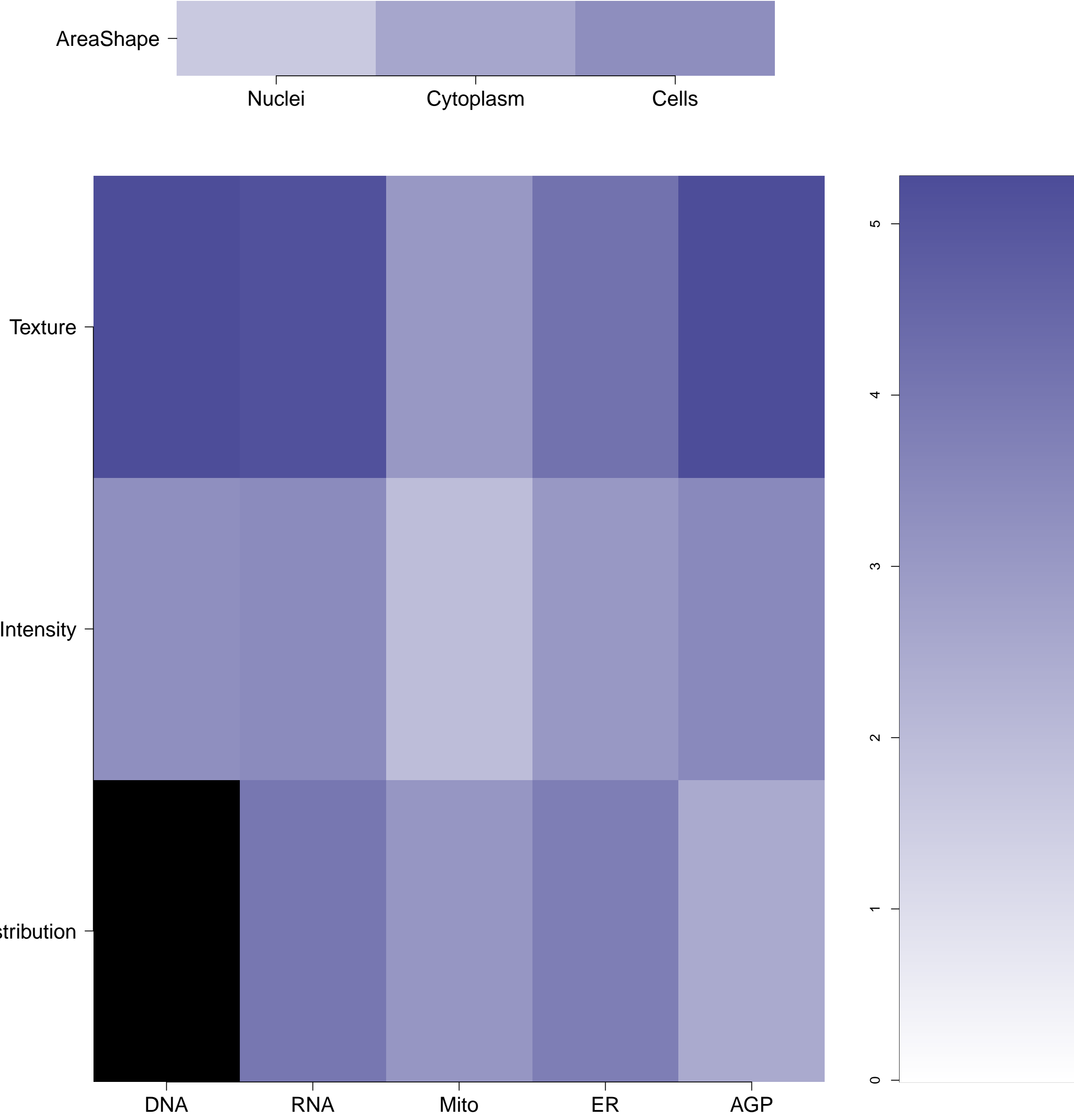


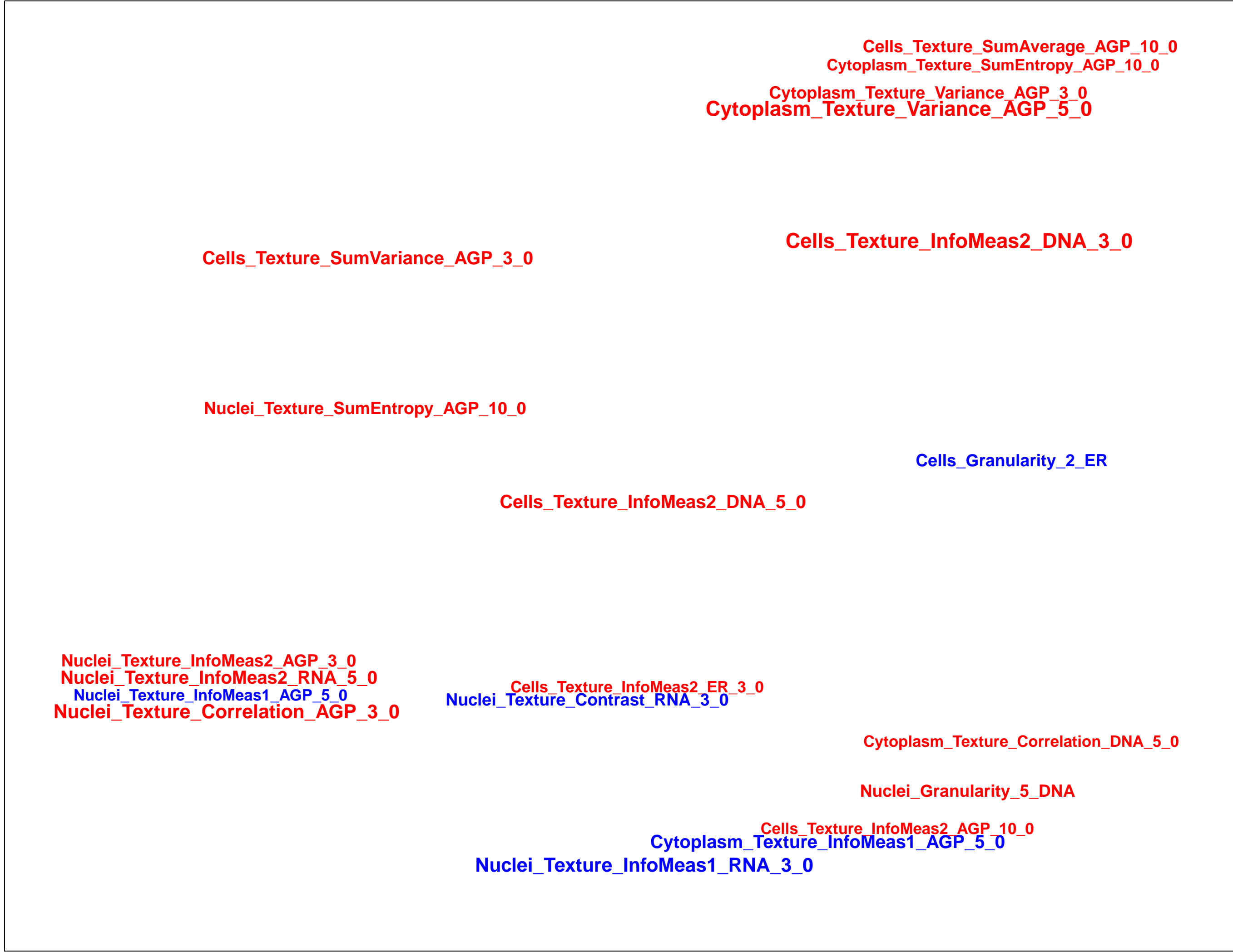
How similar is this gene to the other genes?



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

TGFBR1.WT.2 (41744)

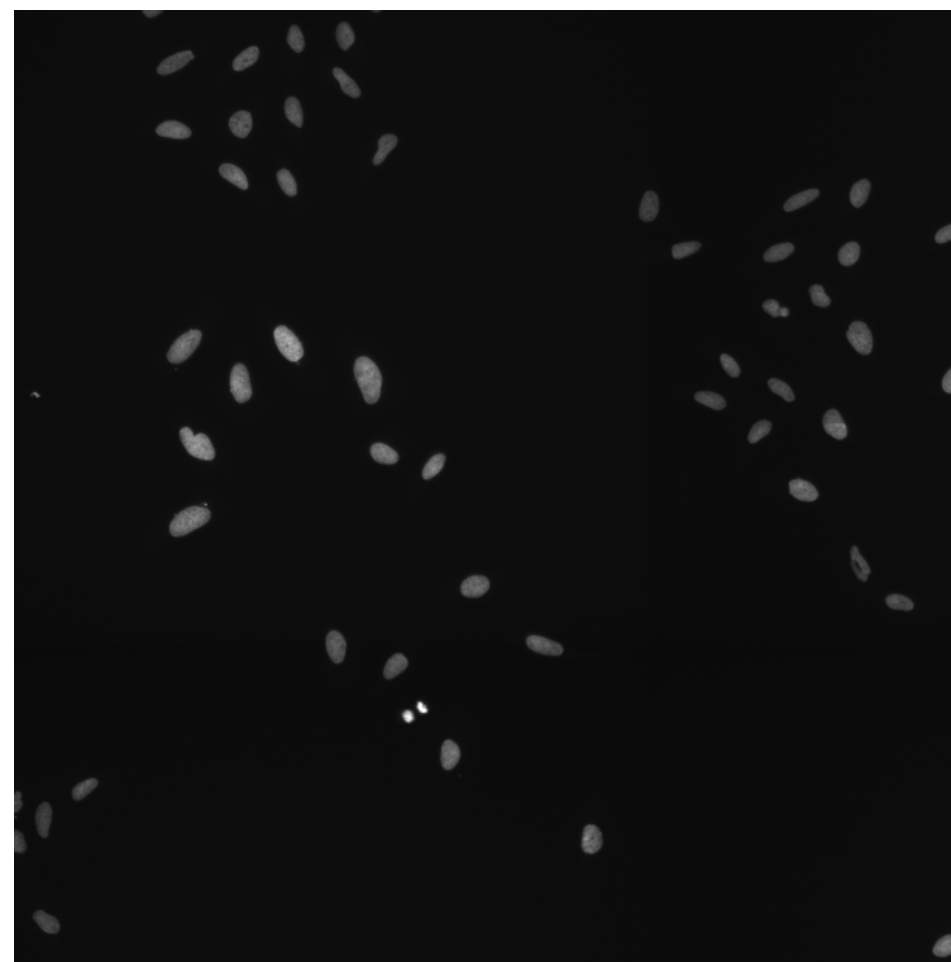
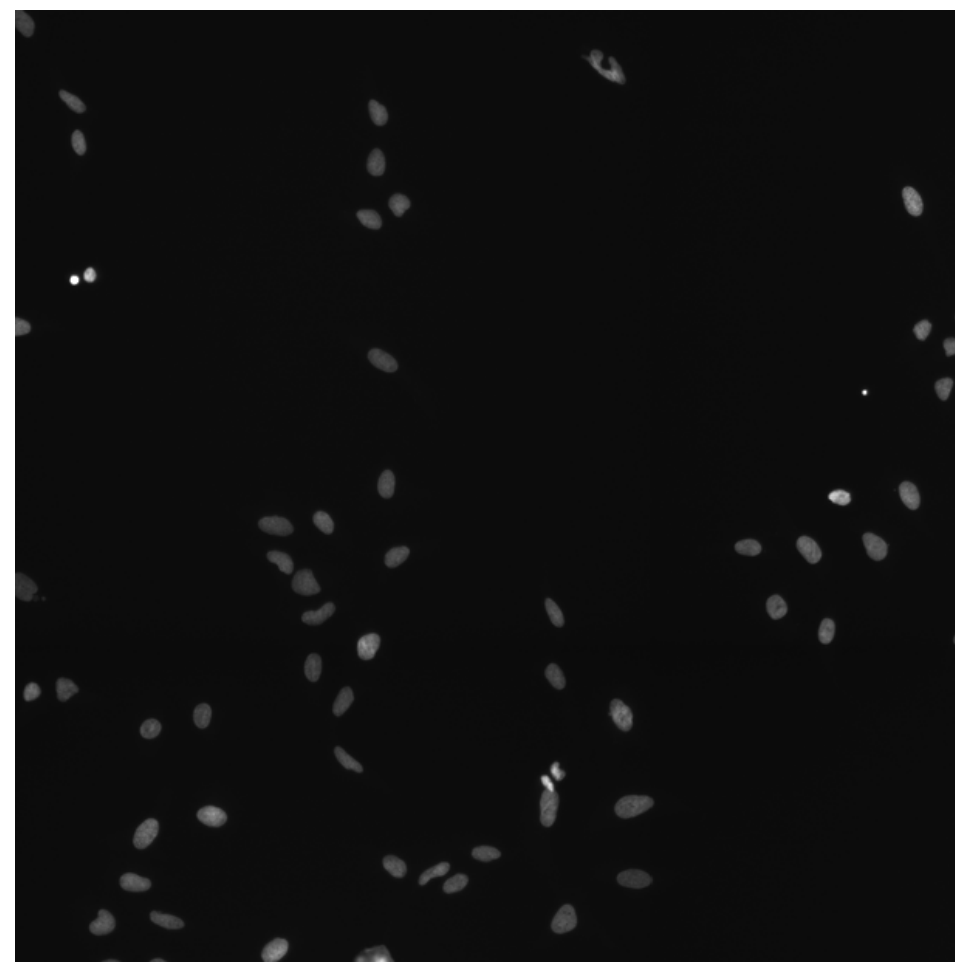
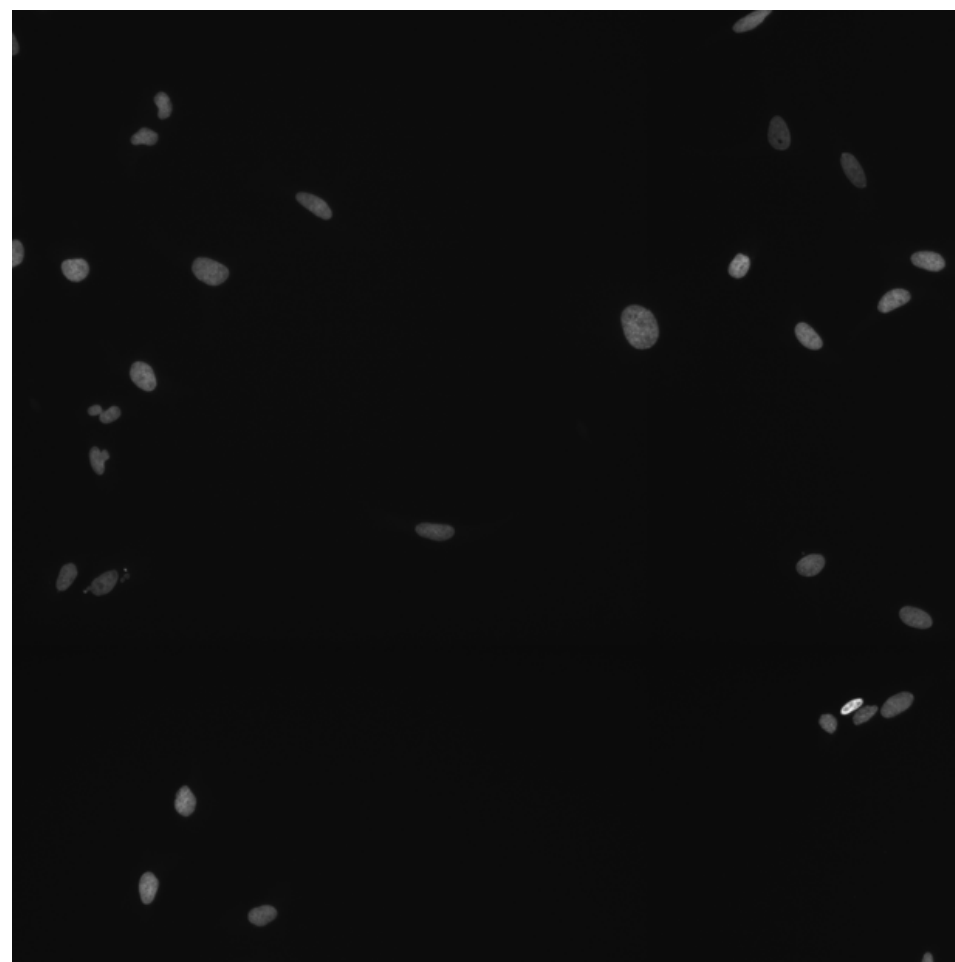
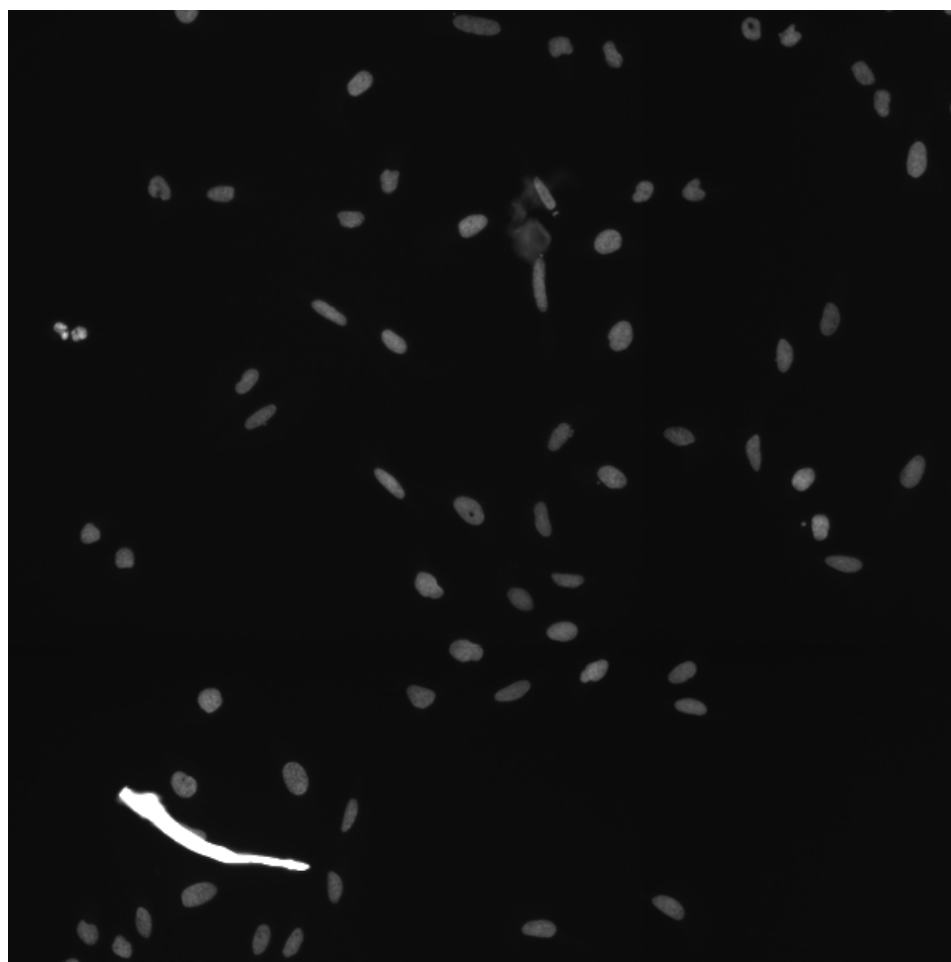
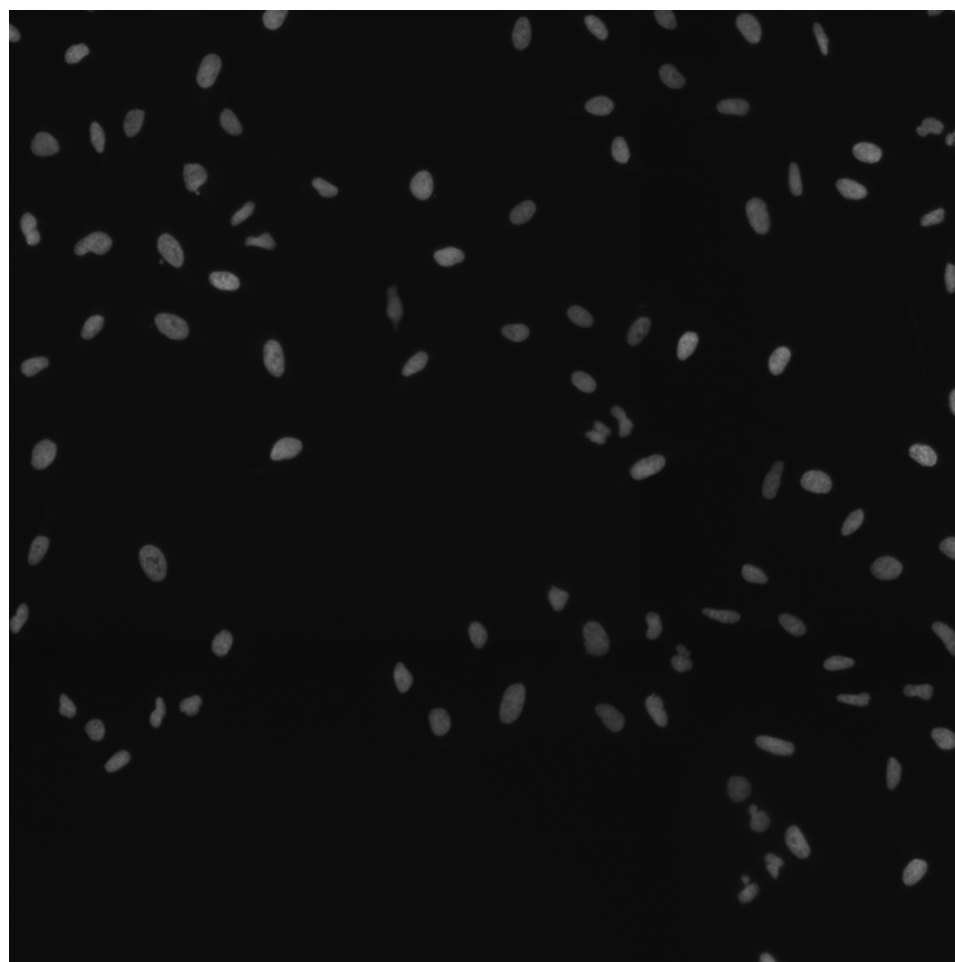
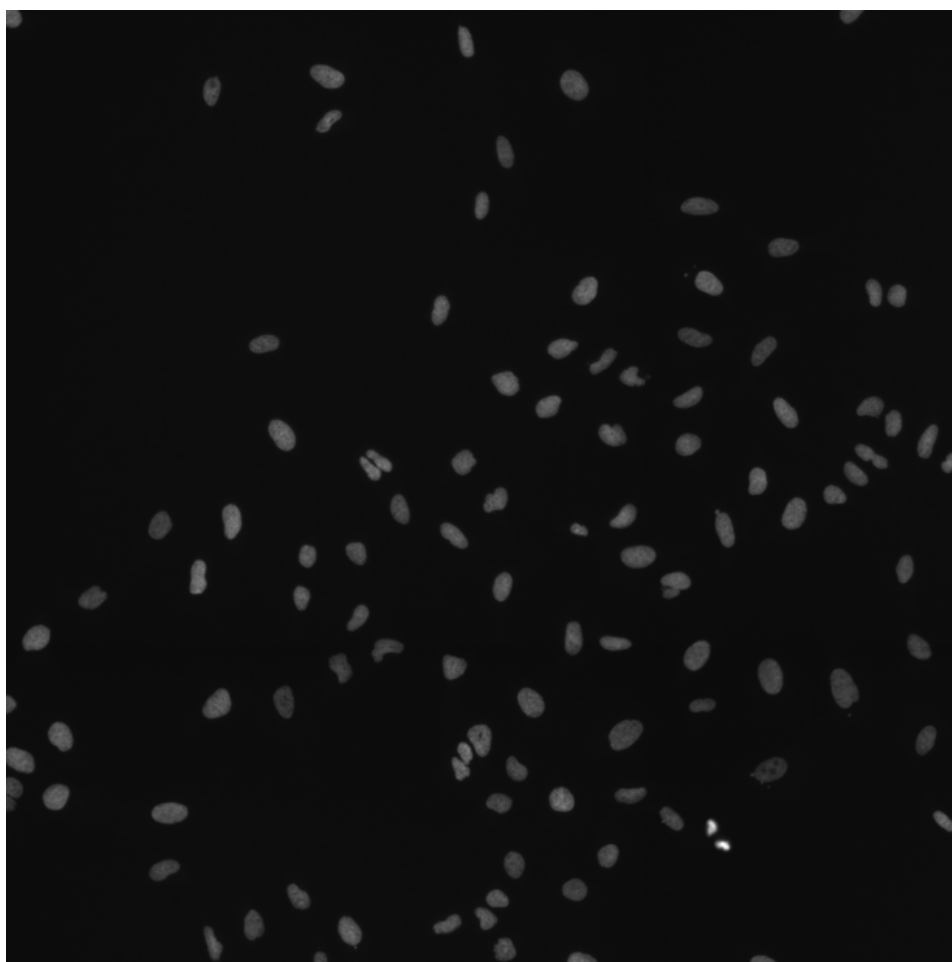
TGFBR1.WT.2 (41755)

TGFBR1.WT.2 (41756)

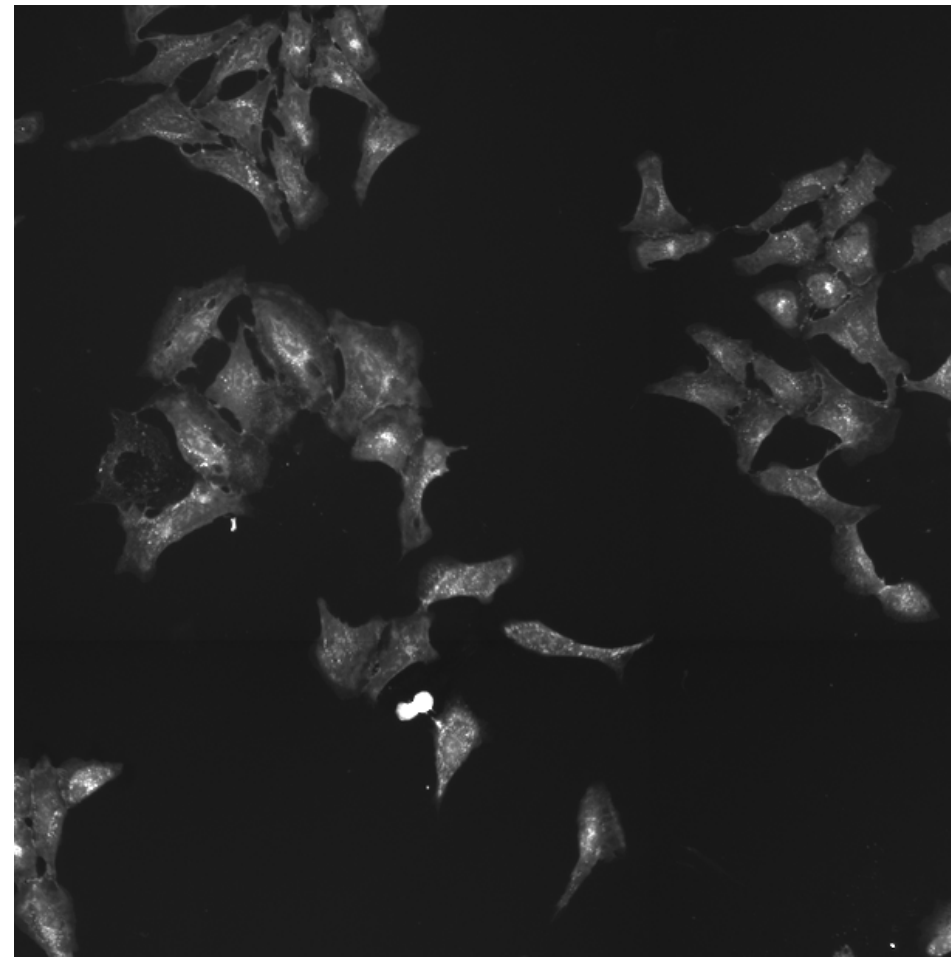
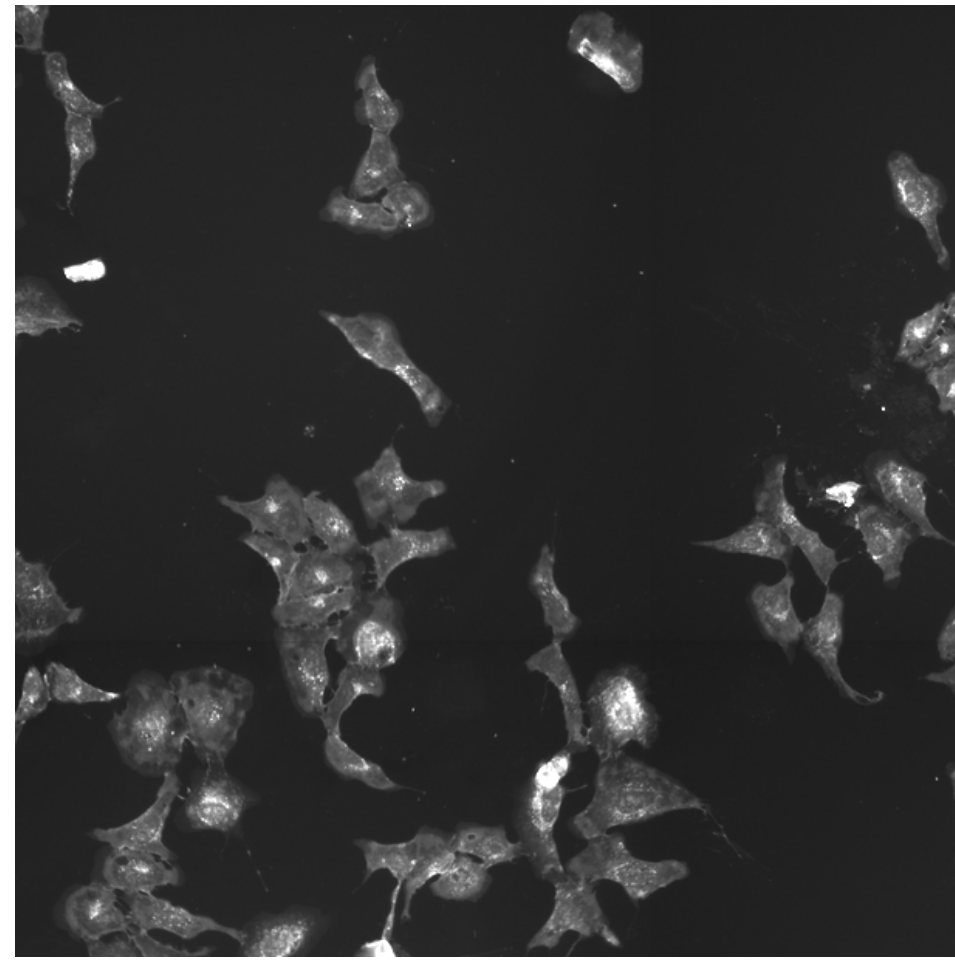
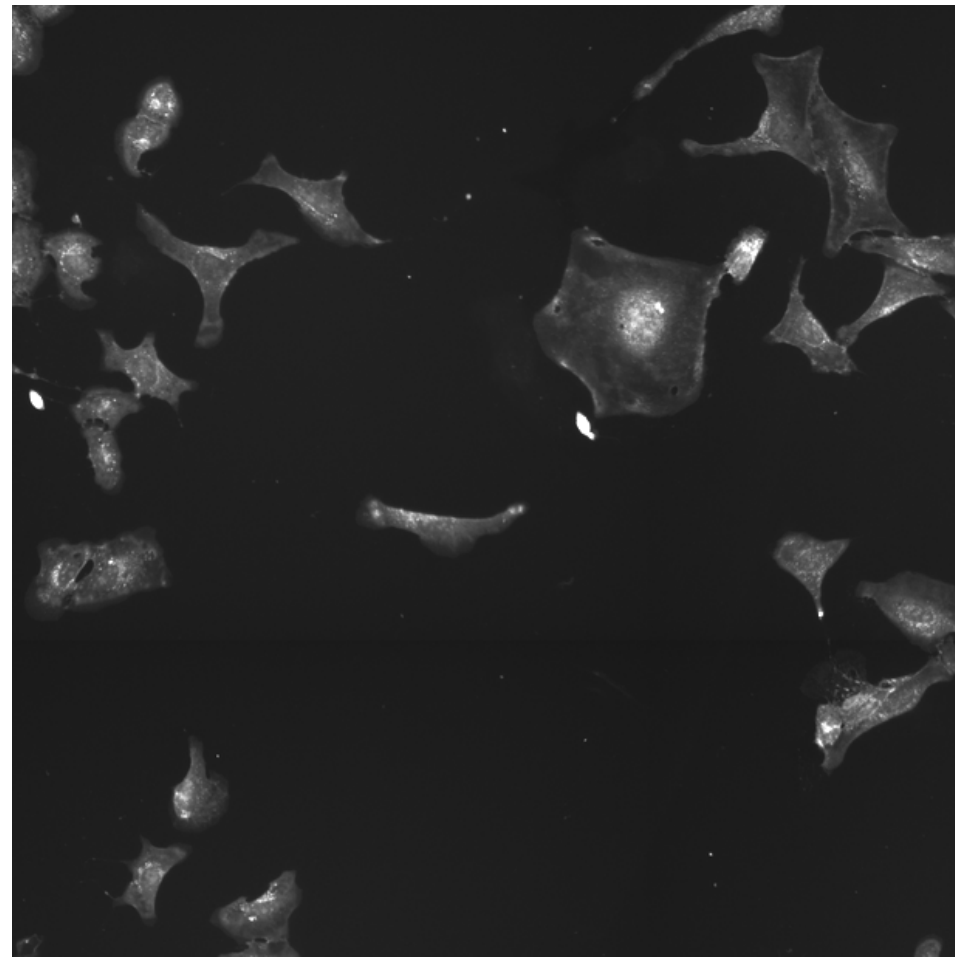
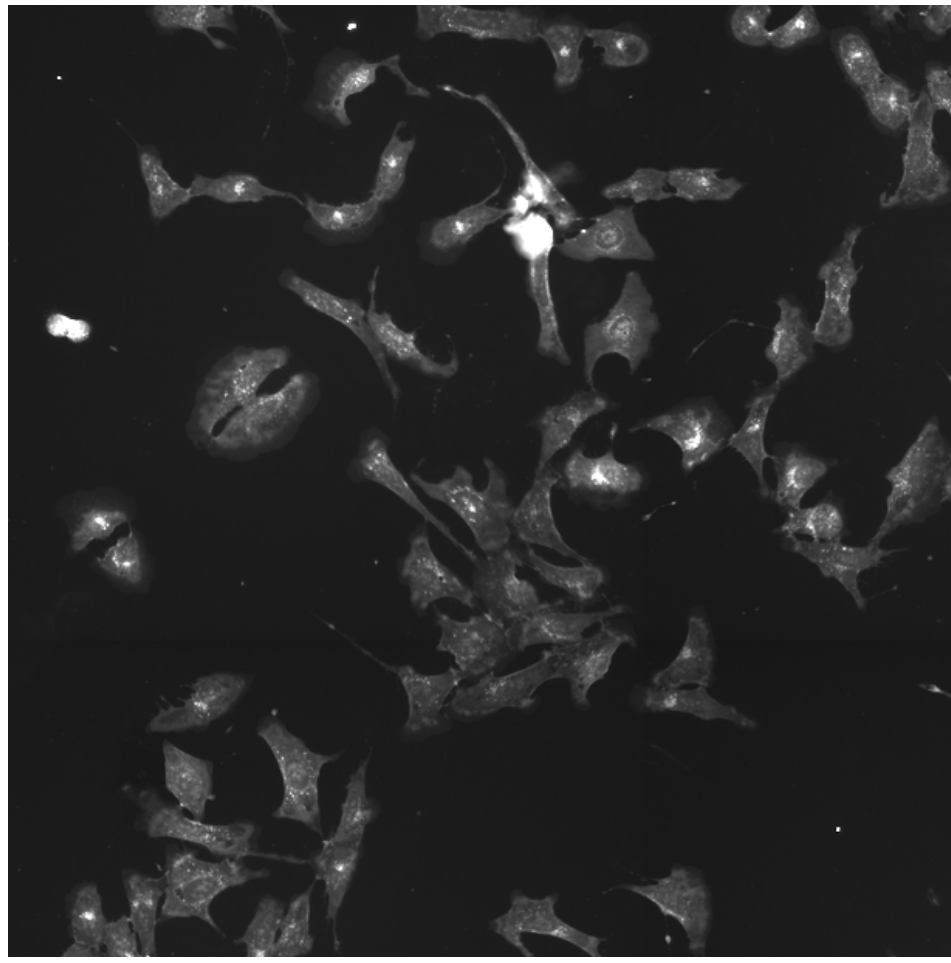
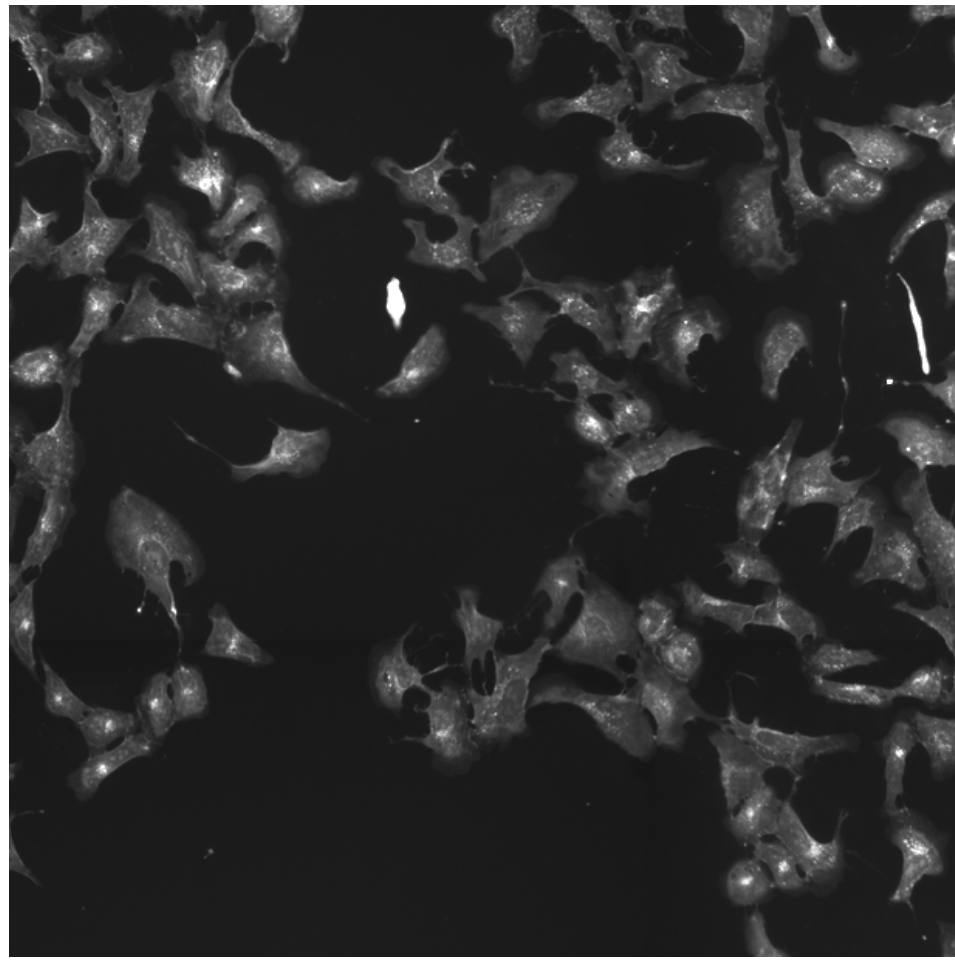
TGFBR1.WT.2 (41757)

TGFBR1.WT.2 (41754)

DNA

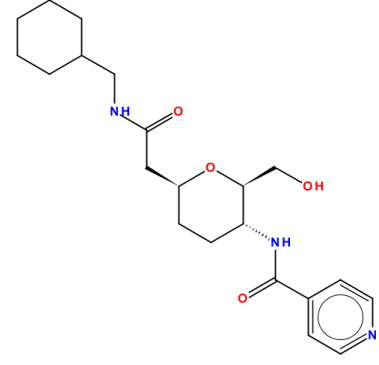
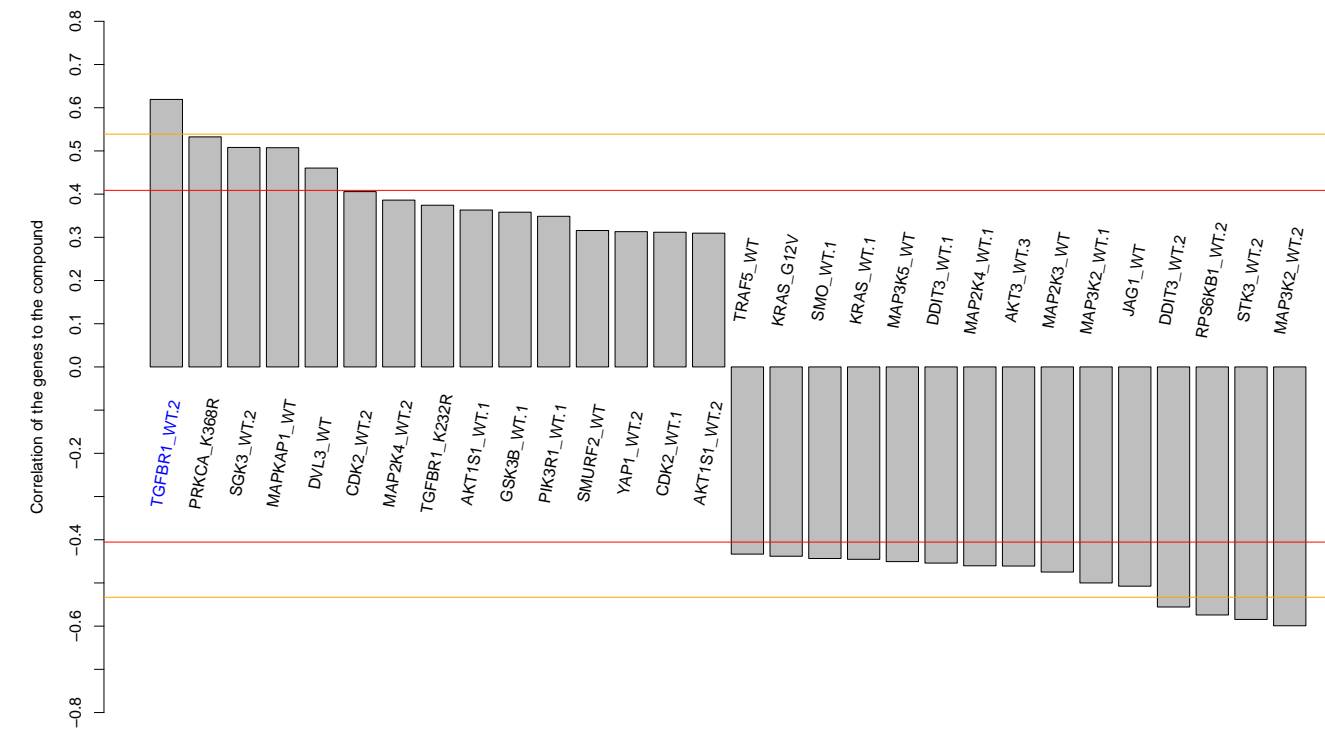
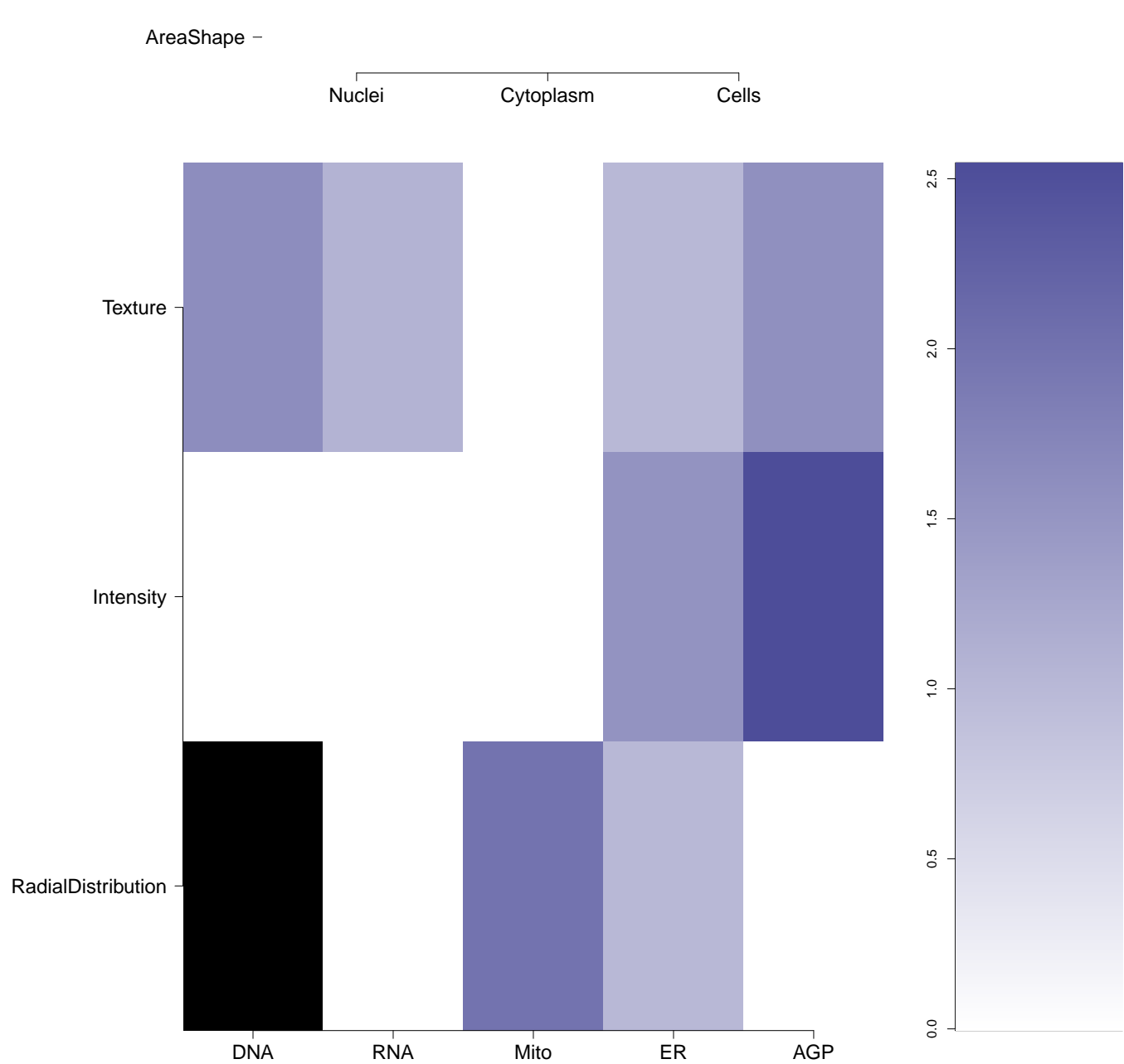
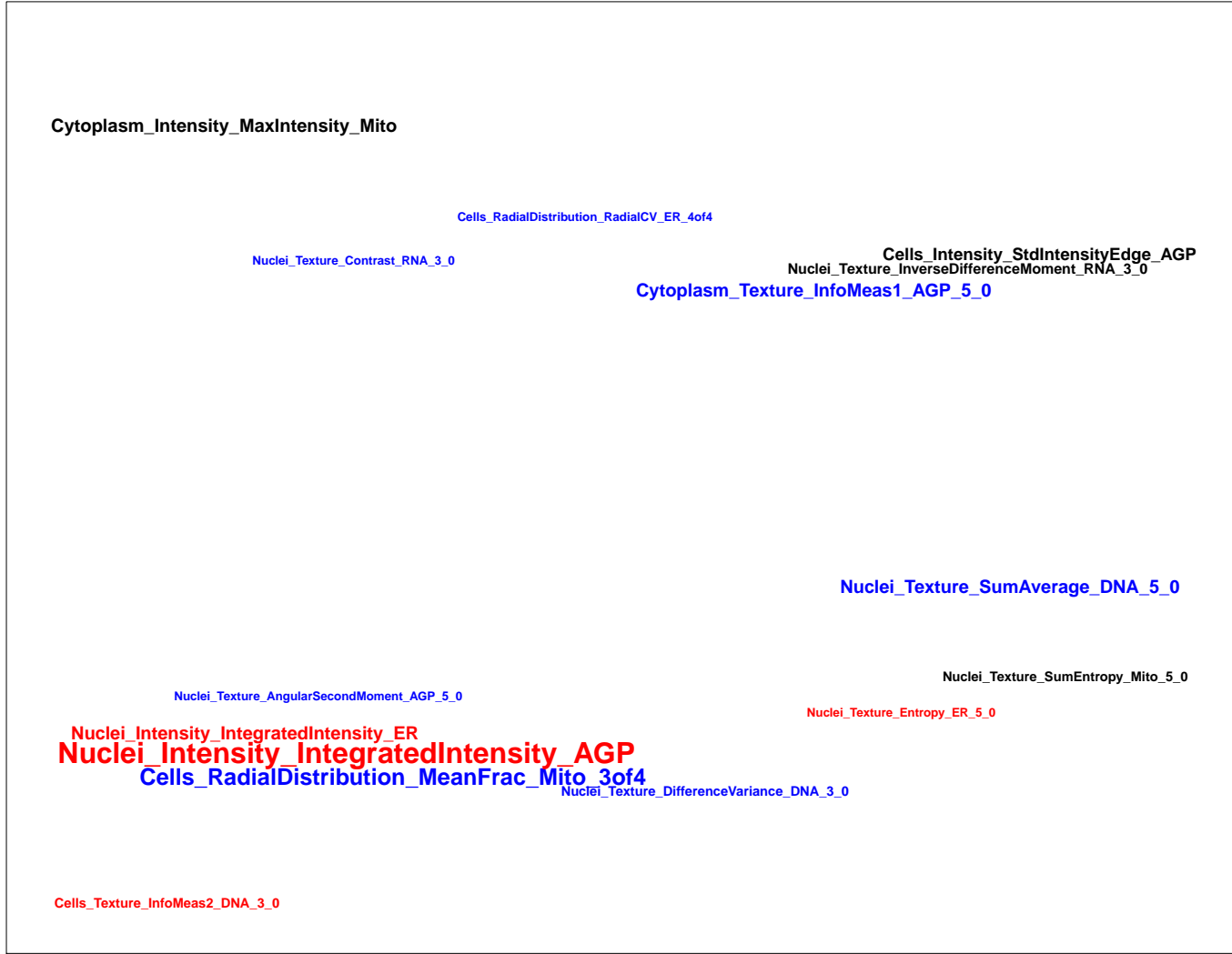
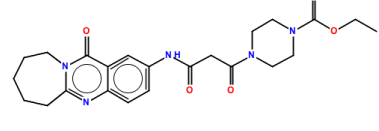
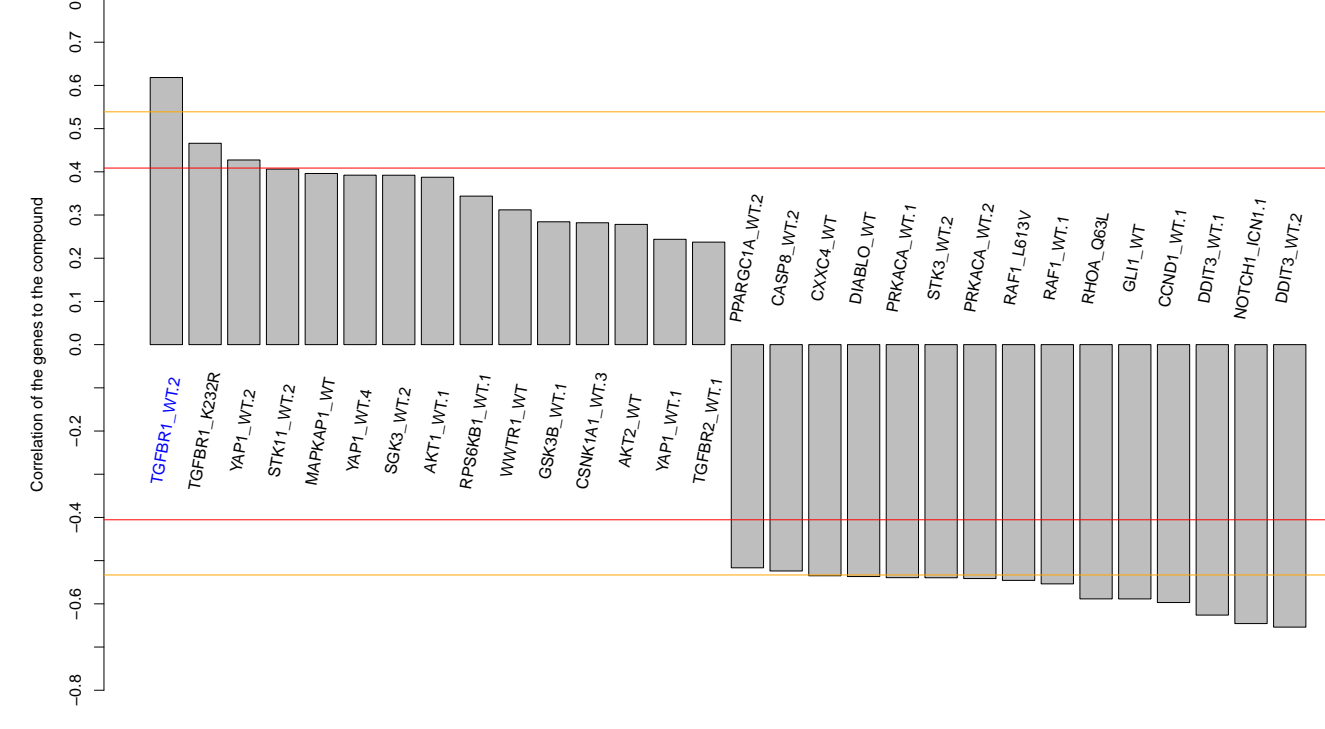
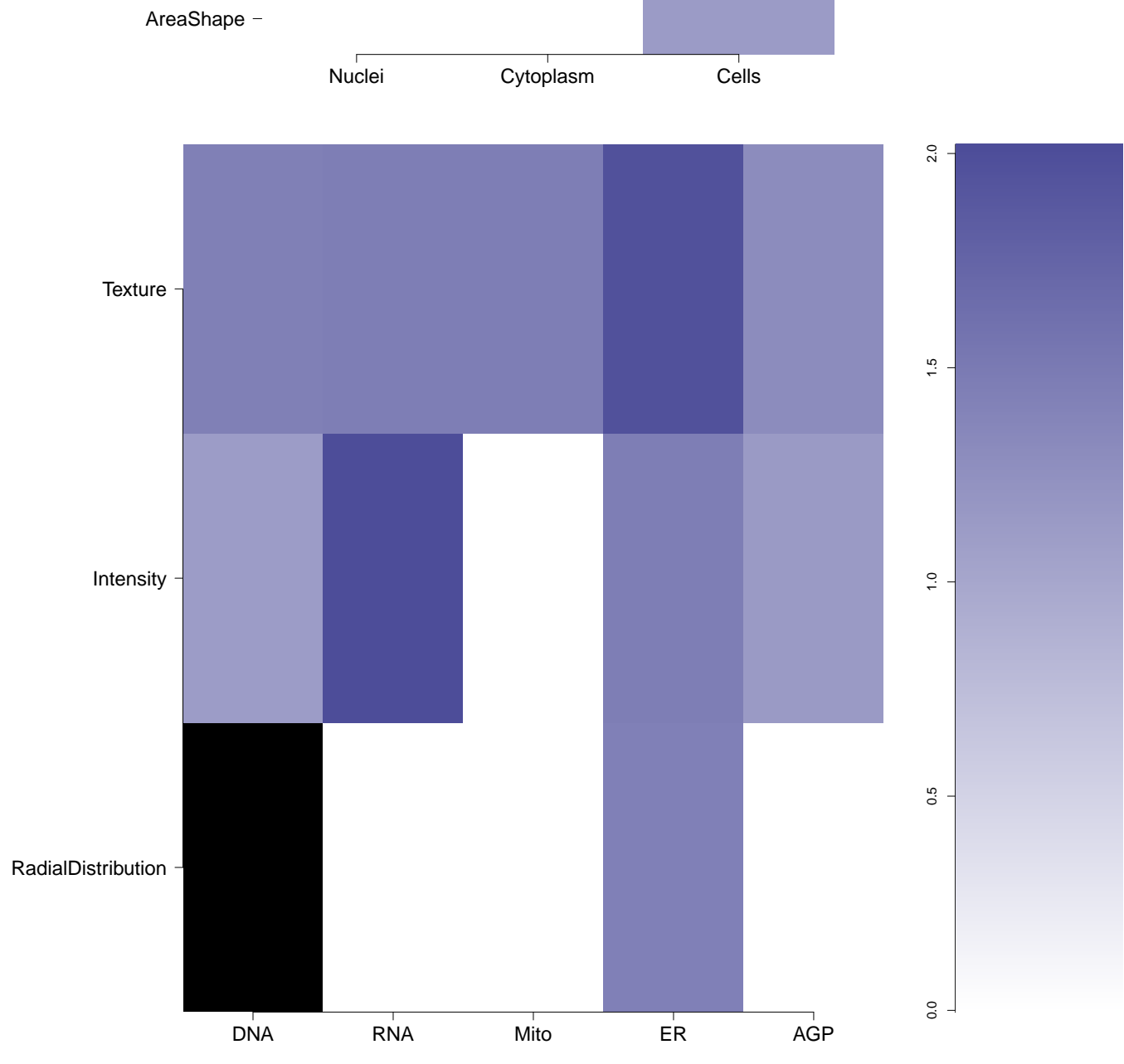

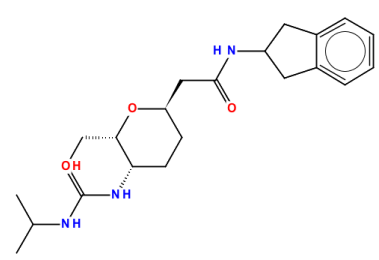
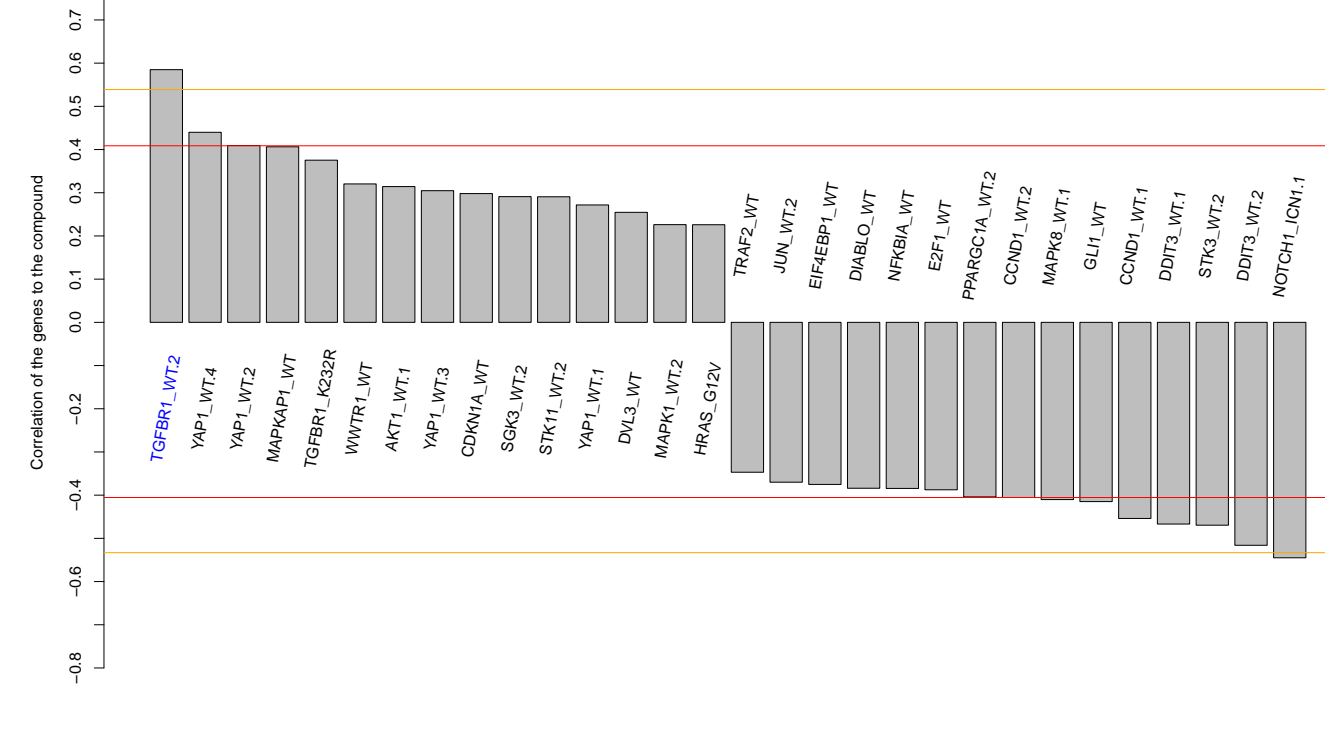
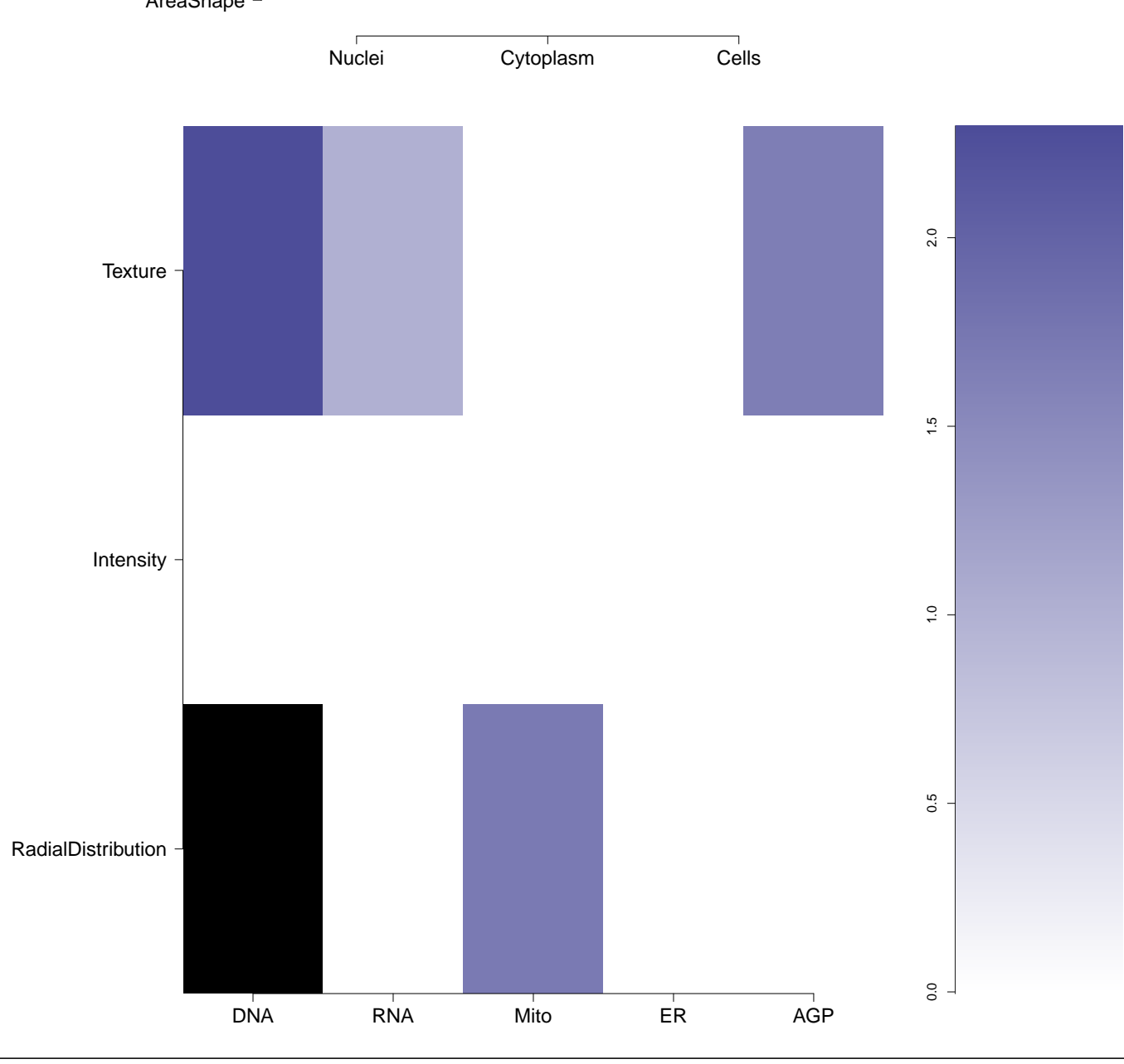
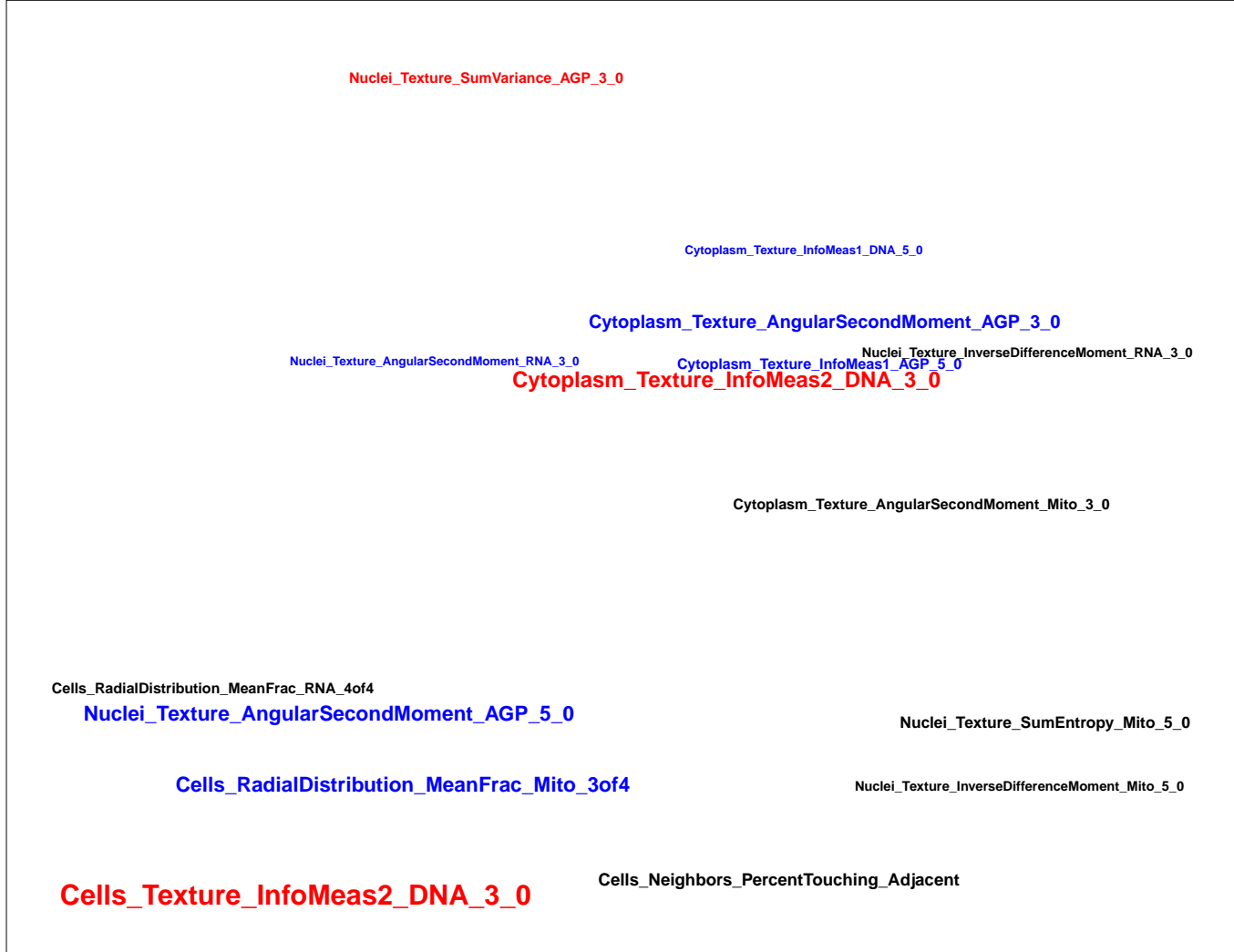
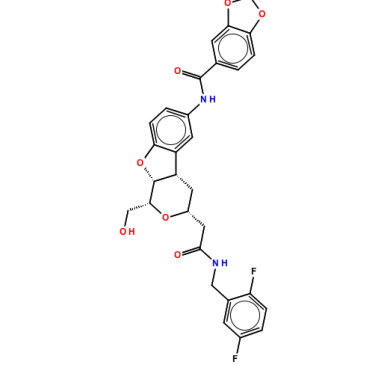
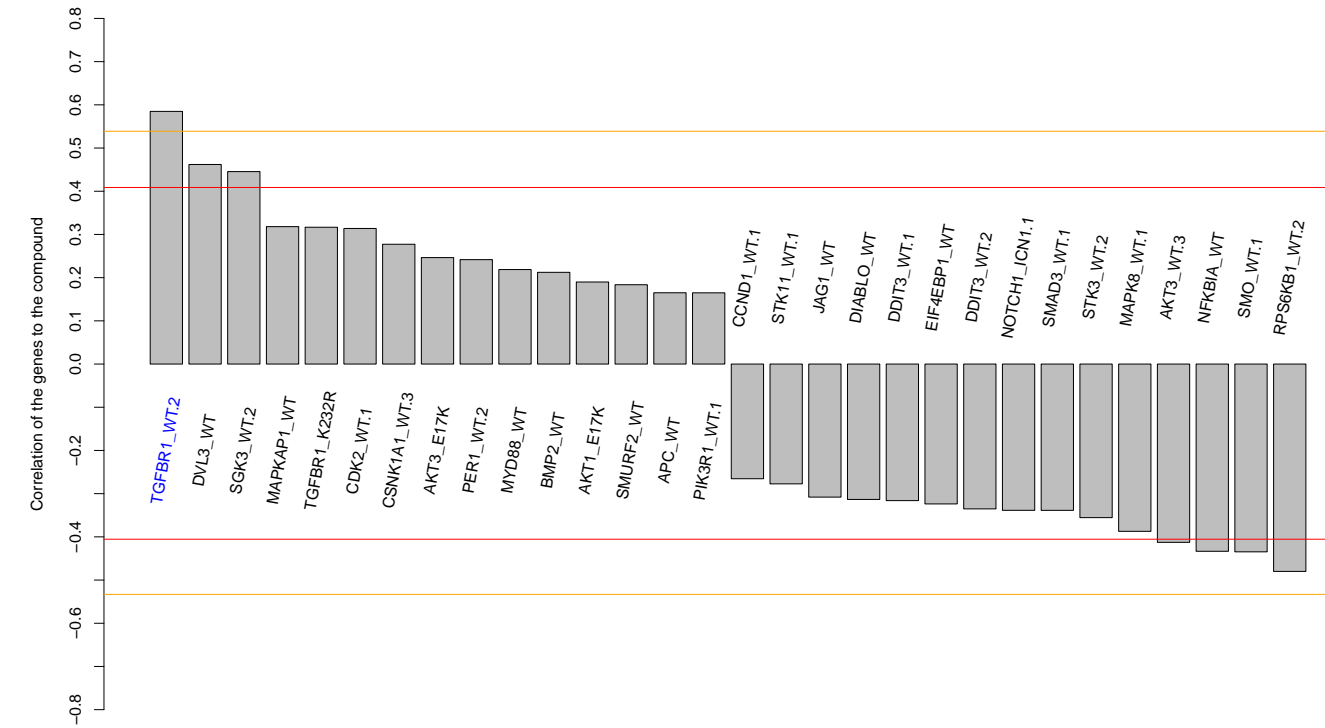
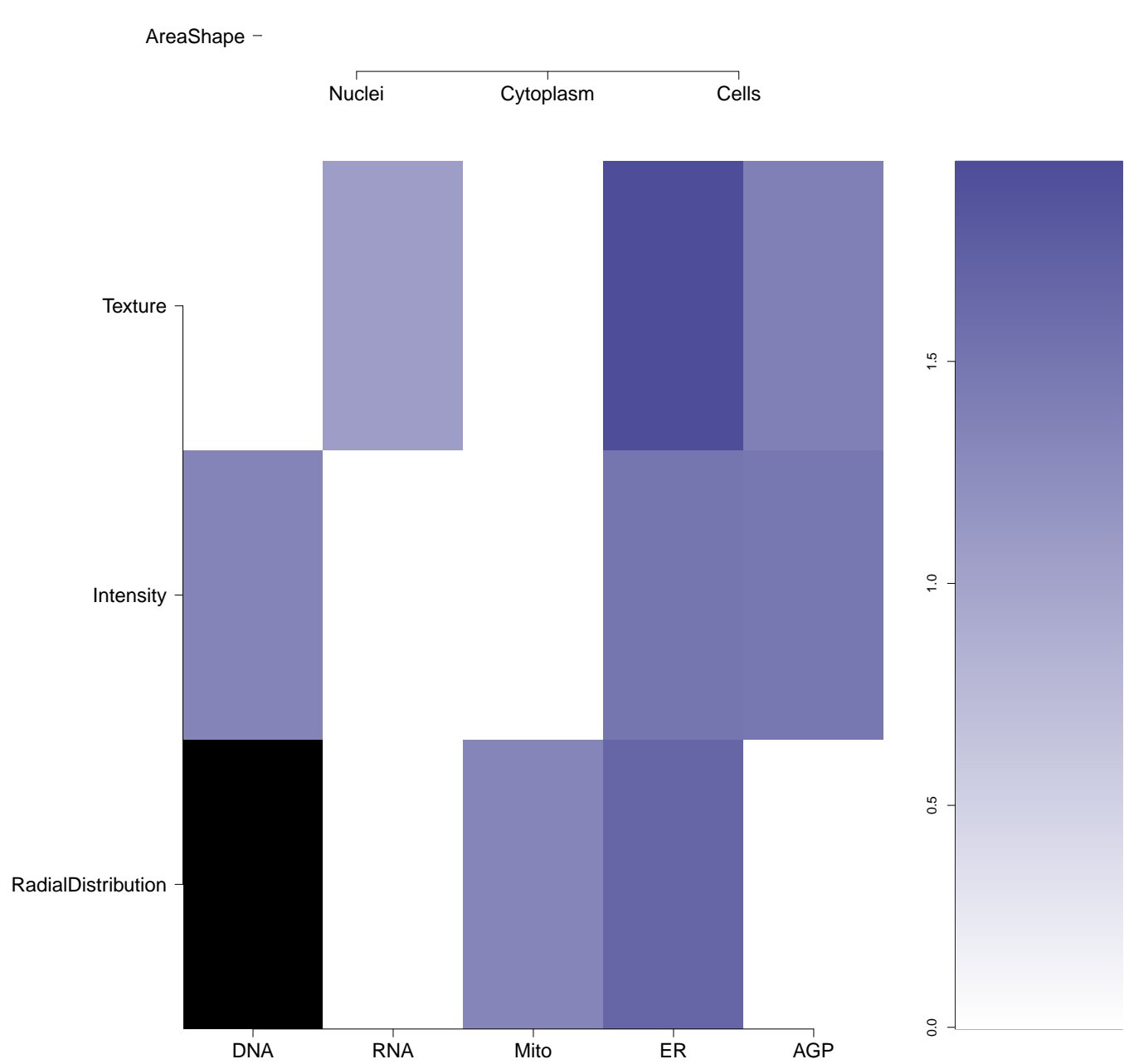

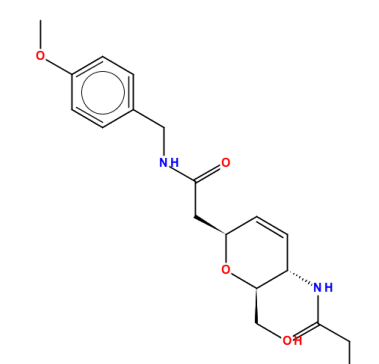
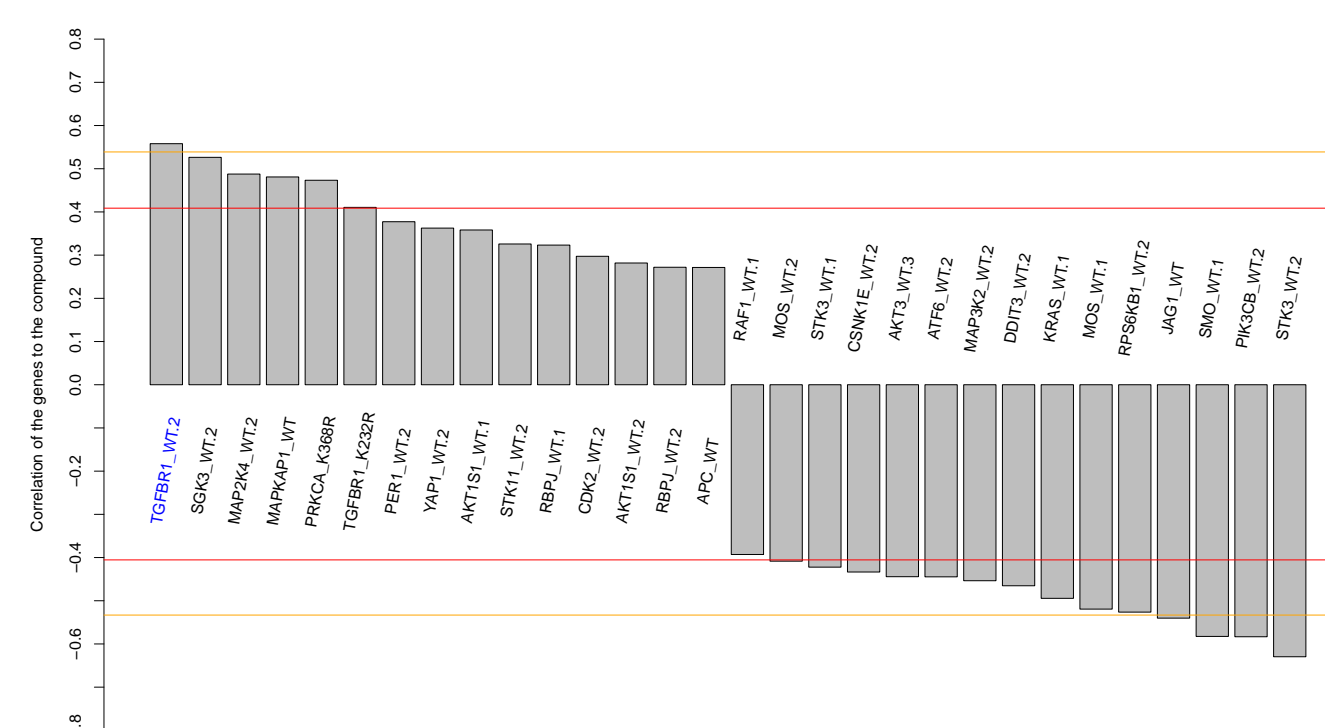
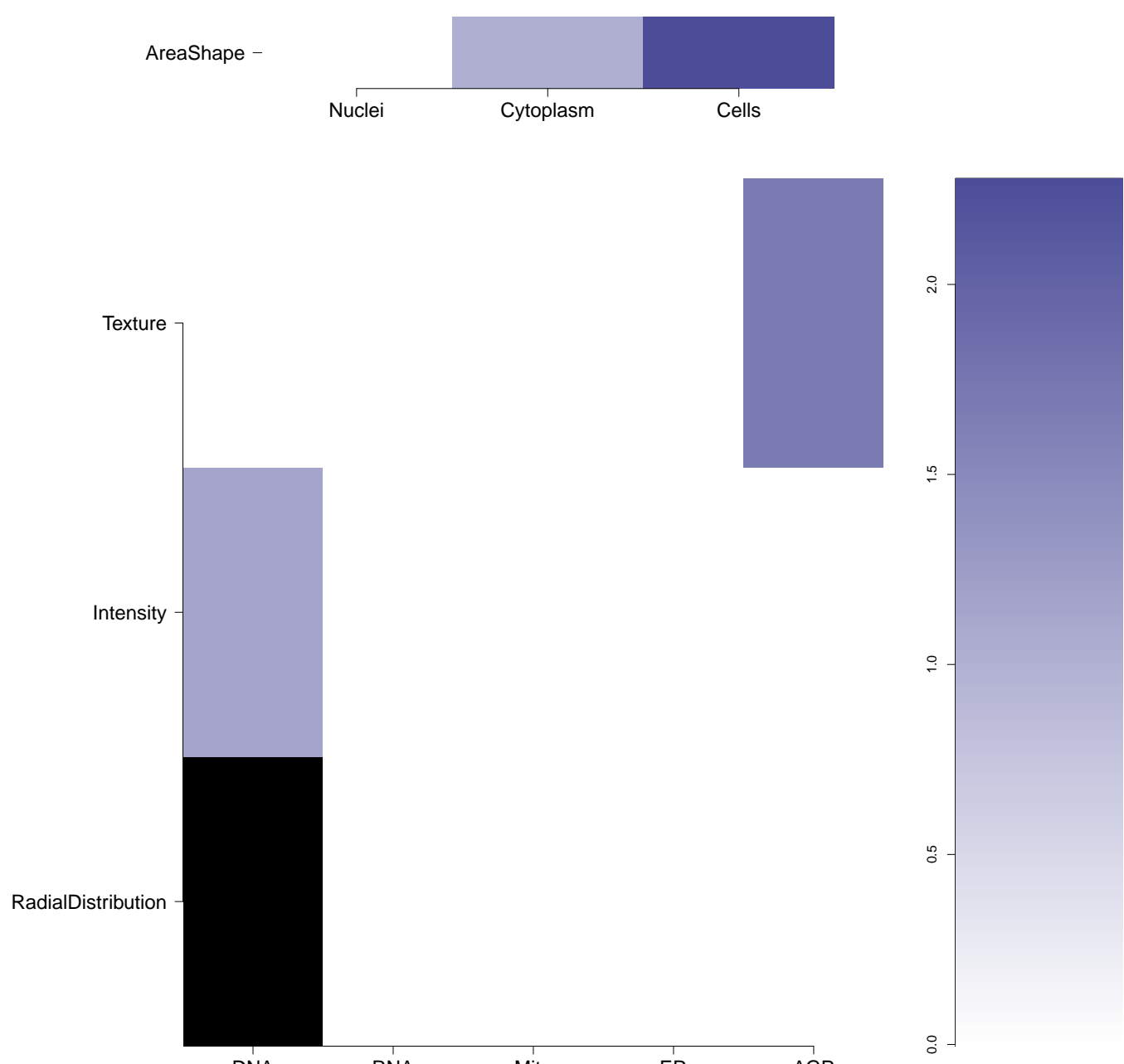
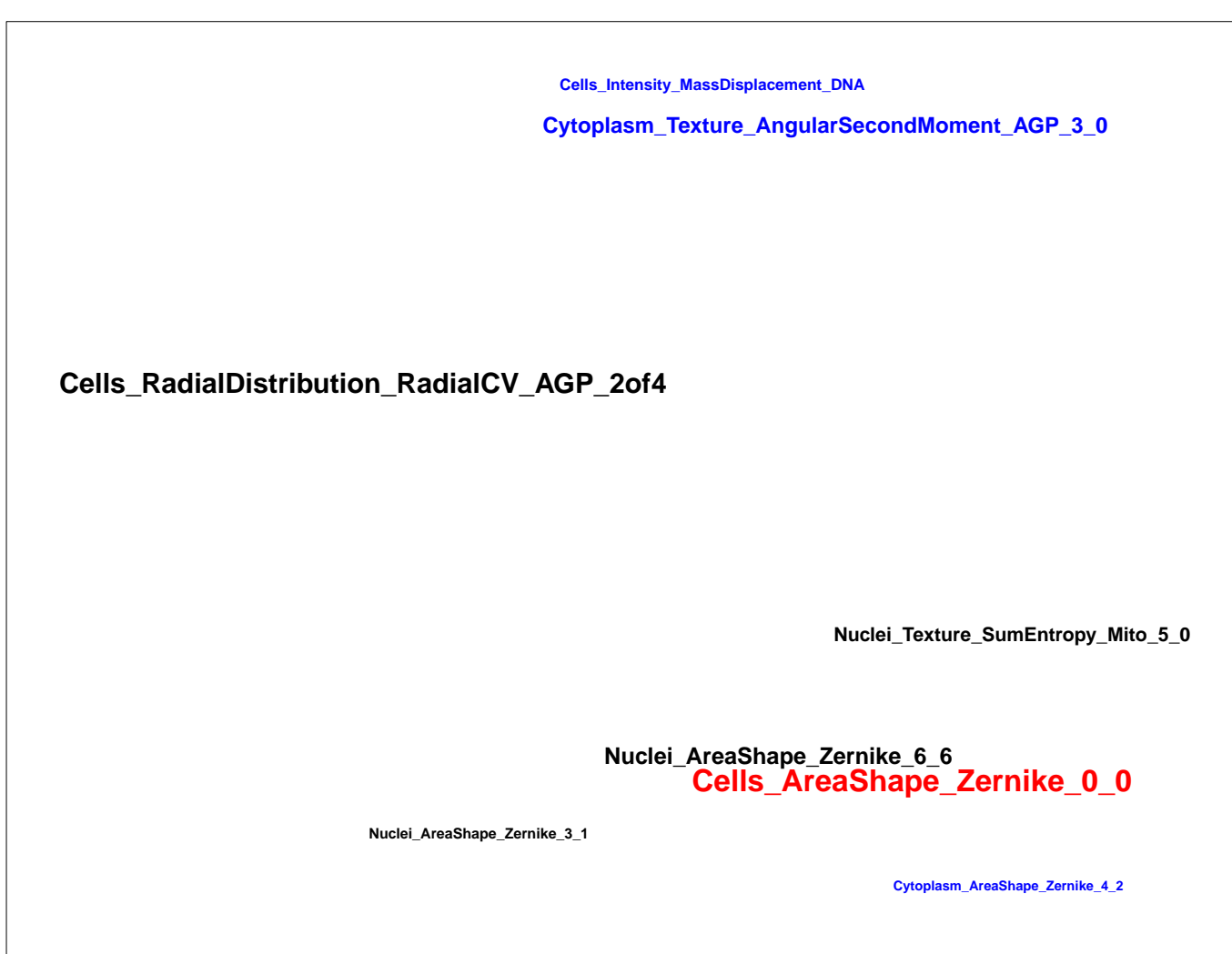
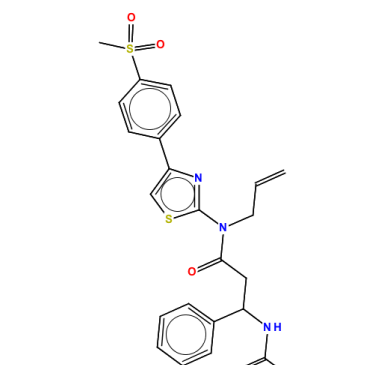
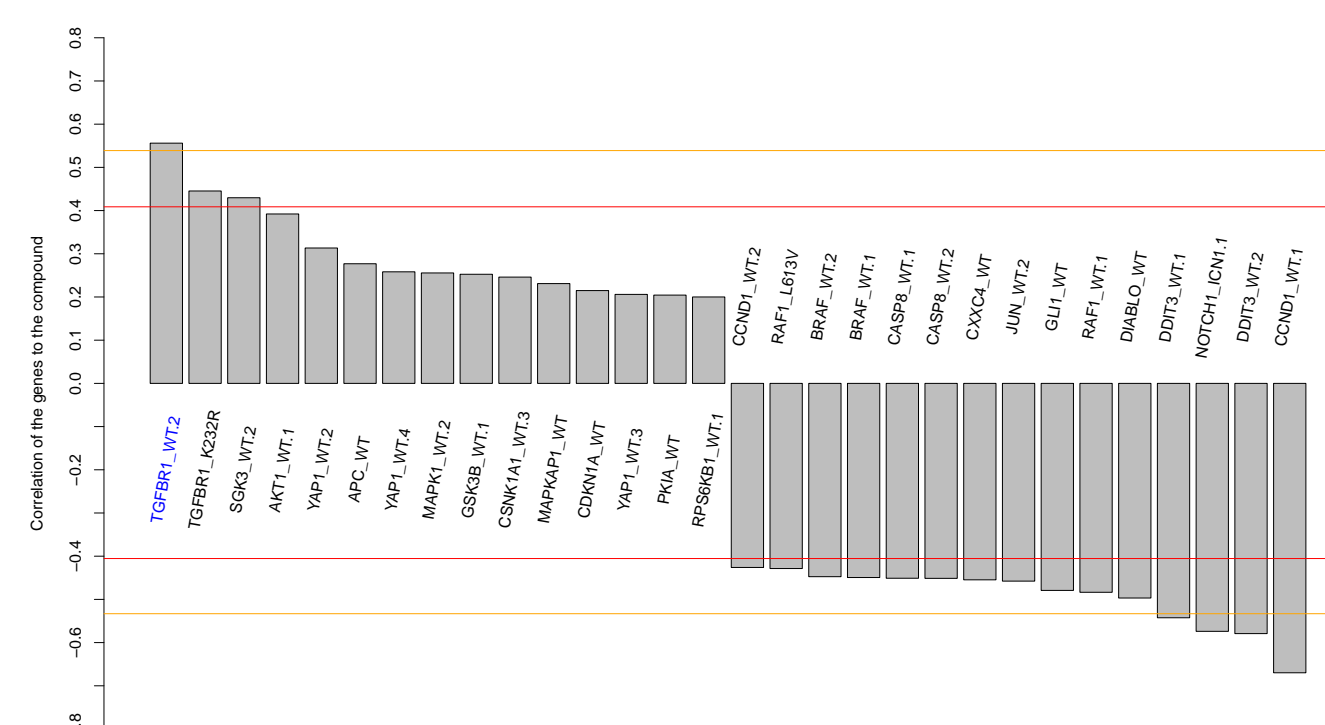
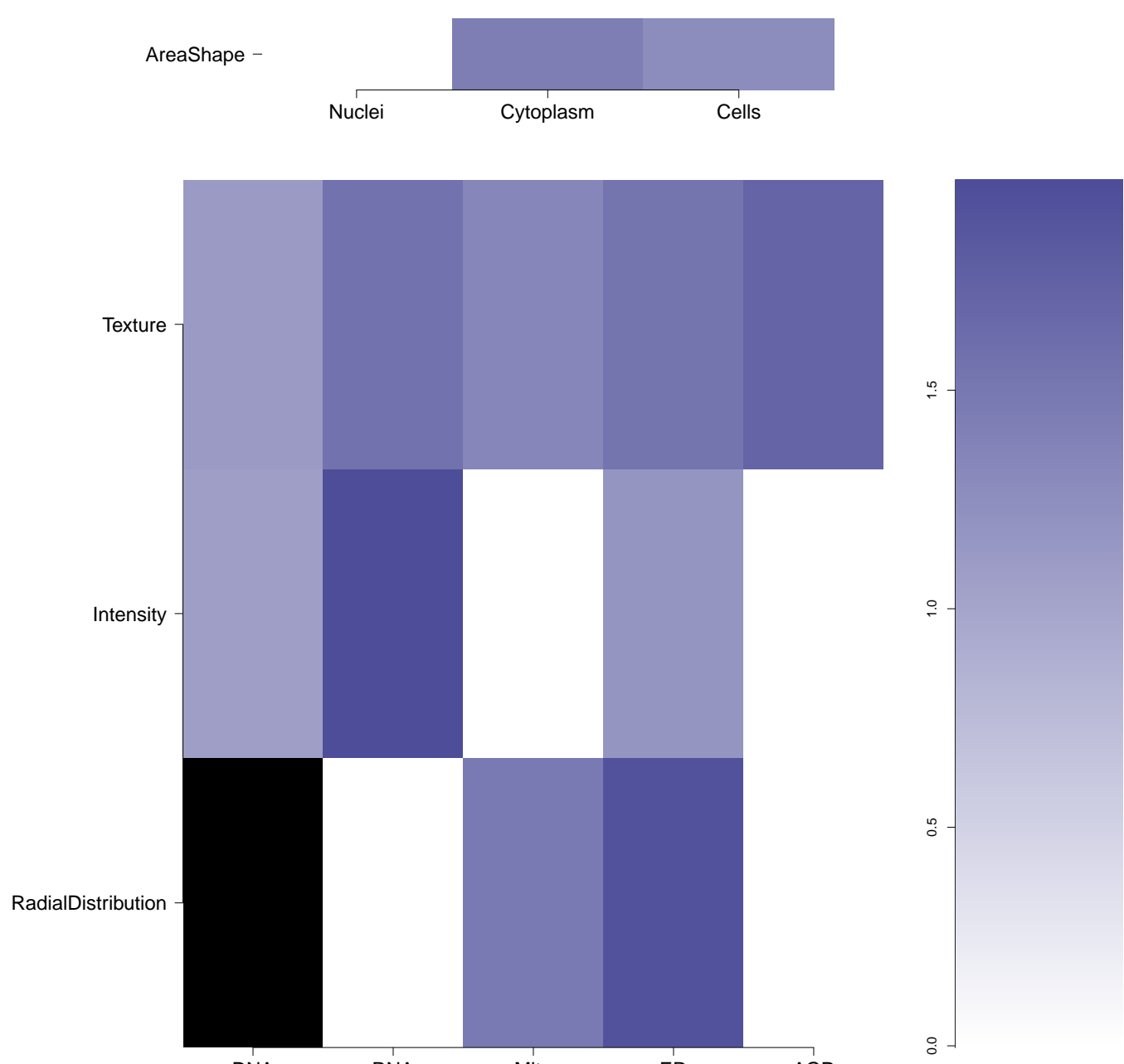

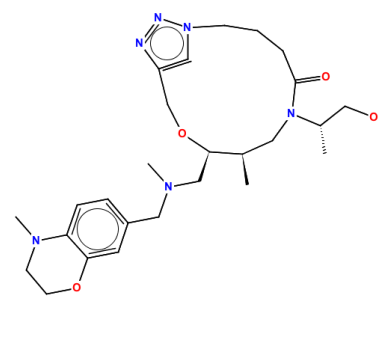
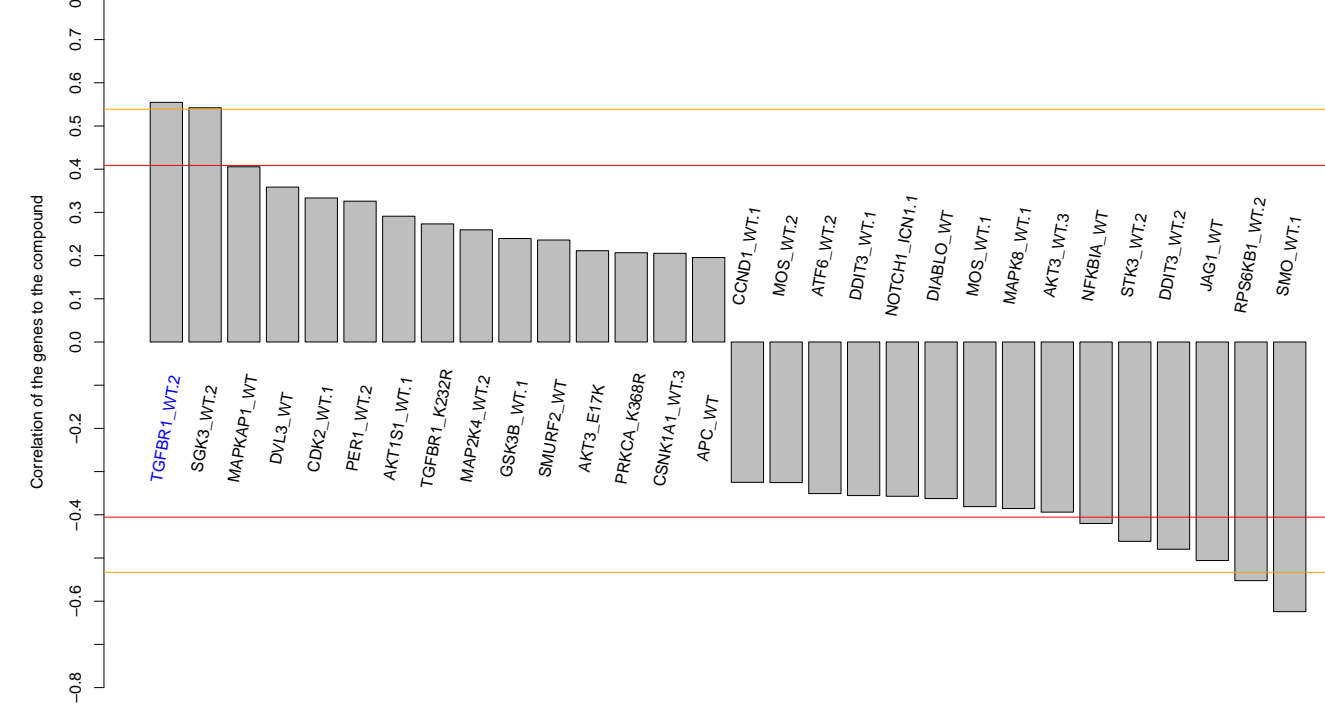
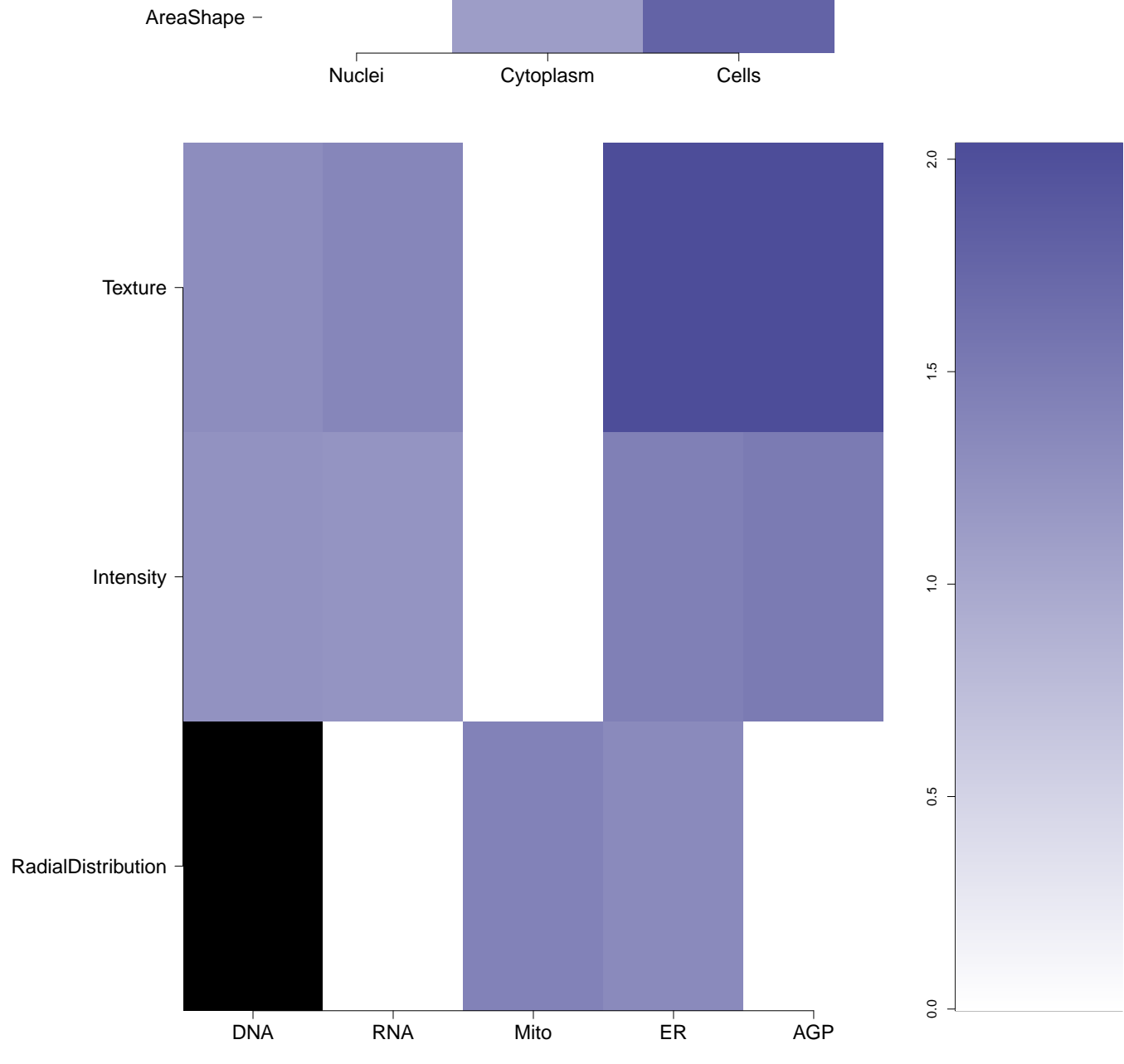
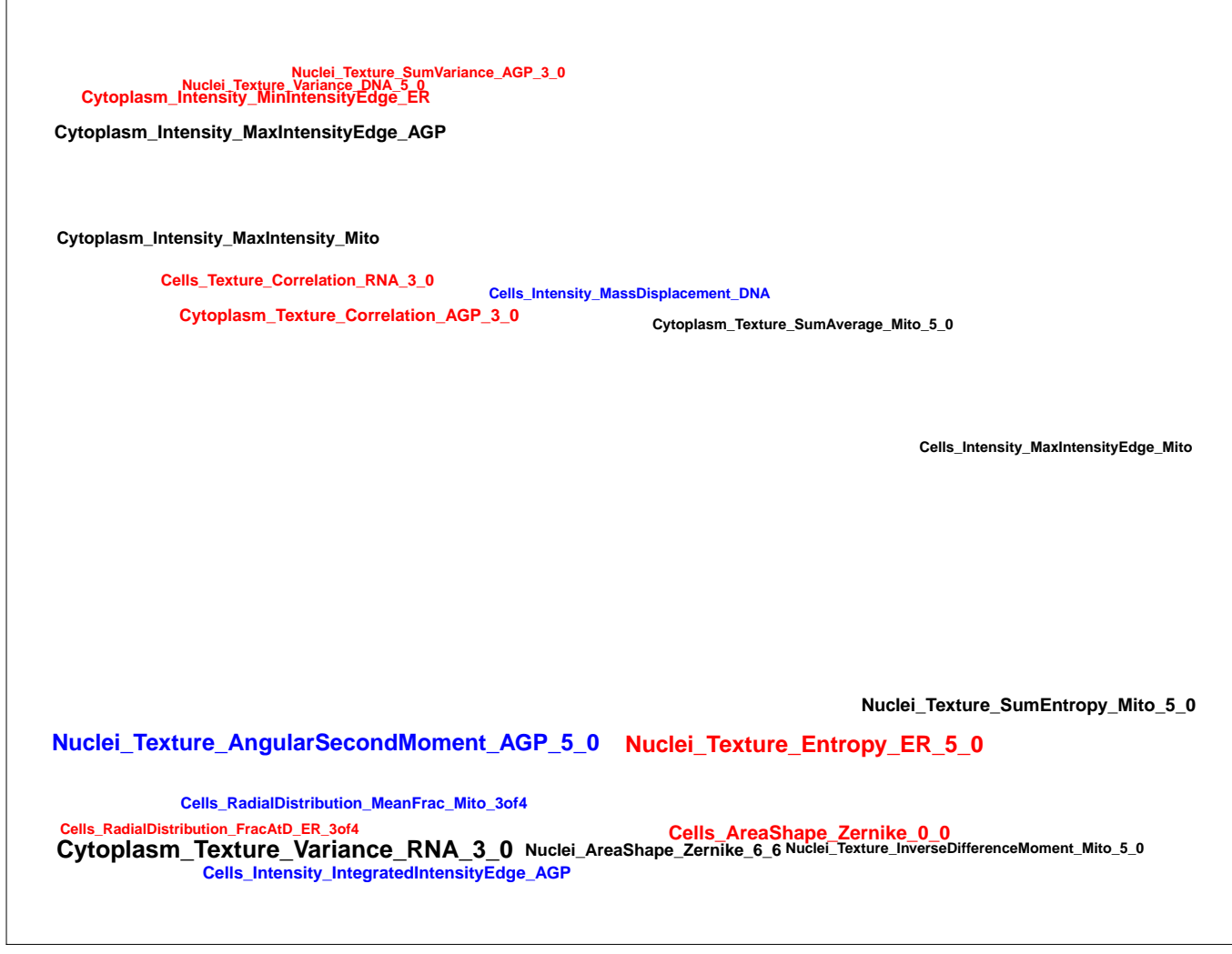


AGP

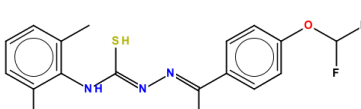
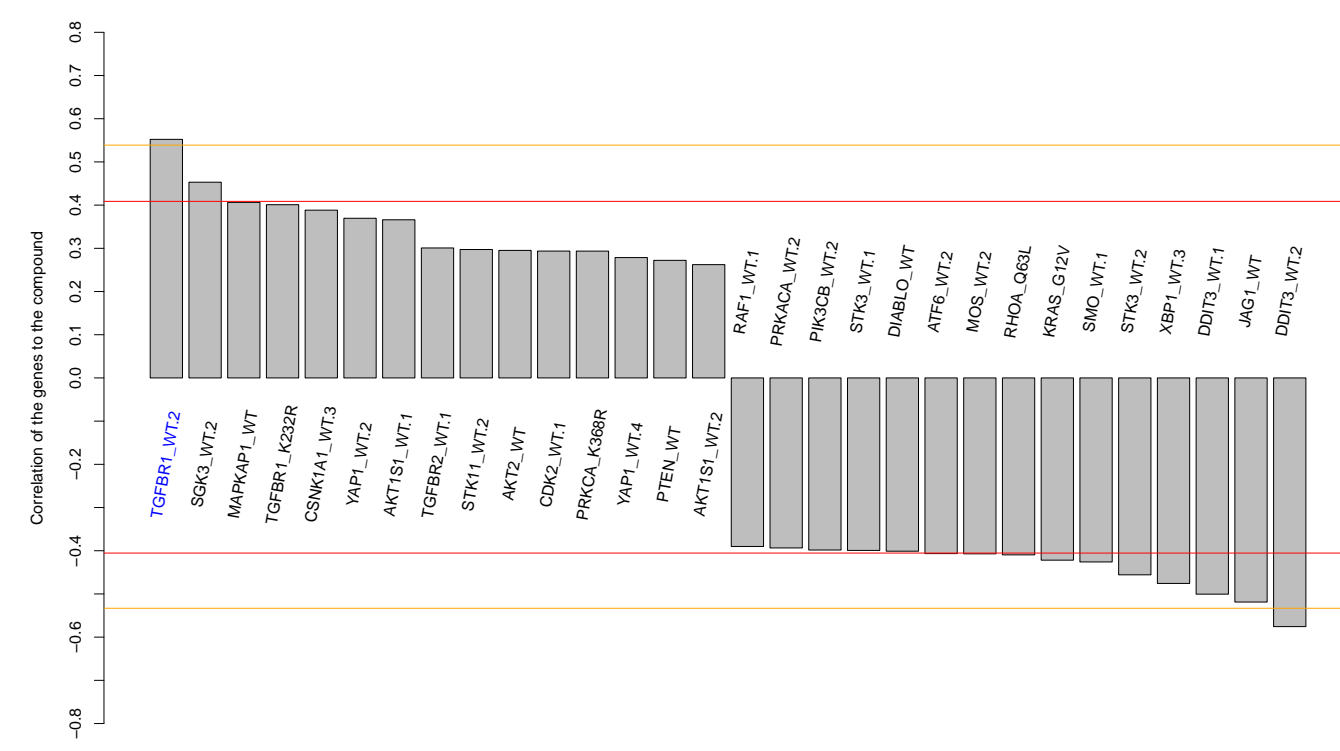
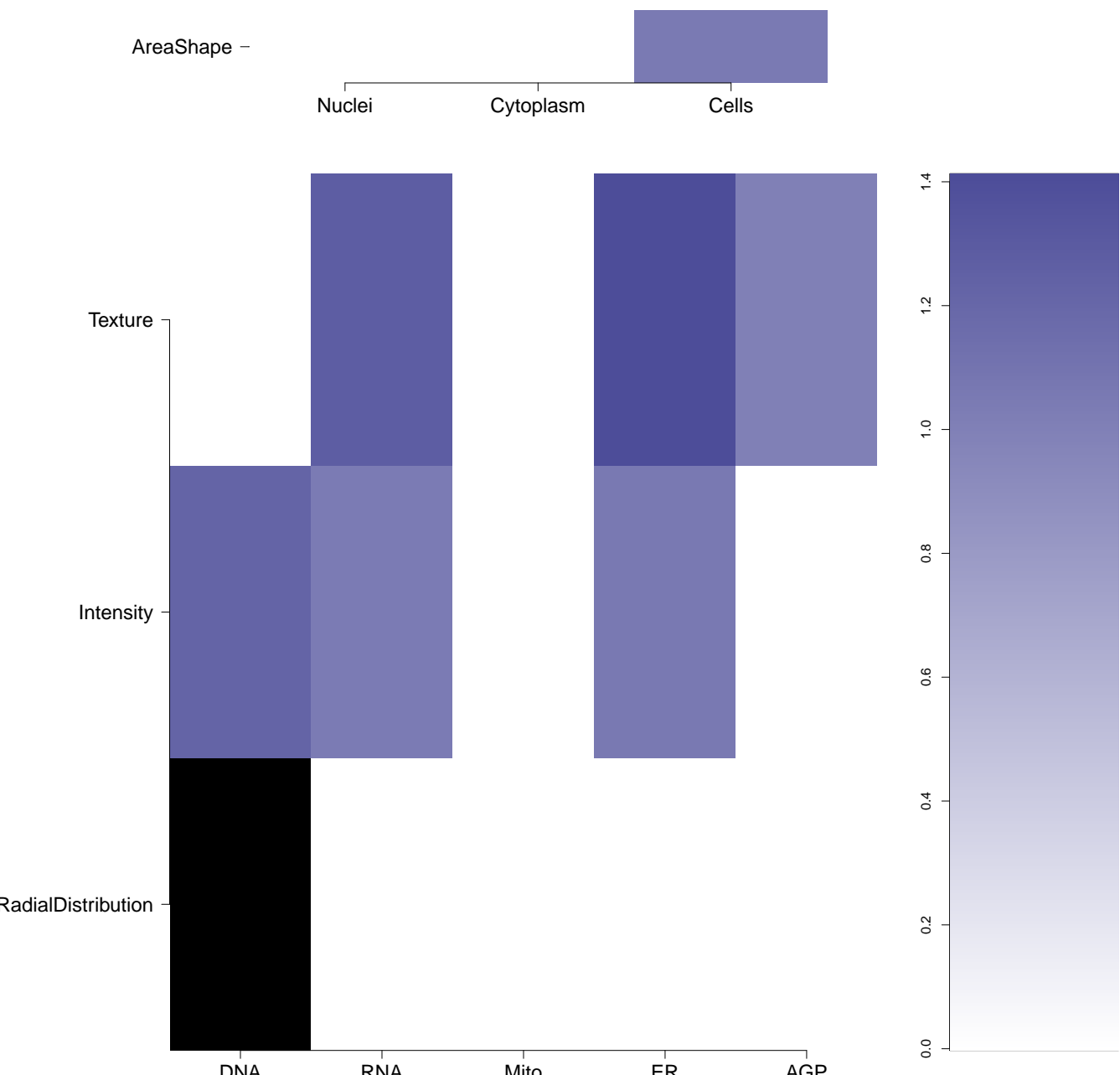
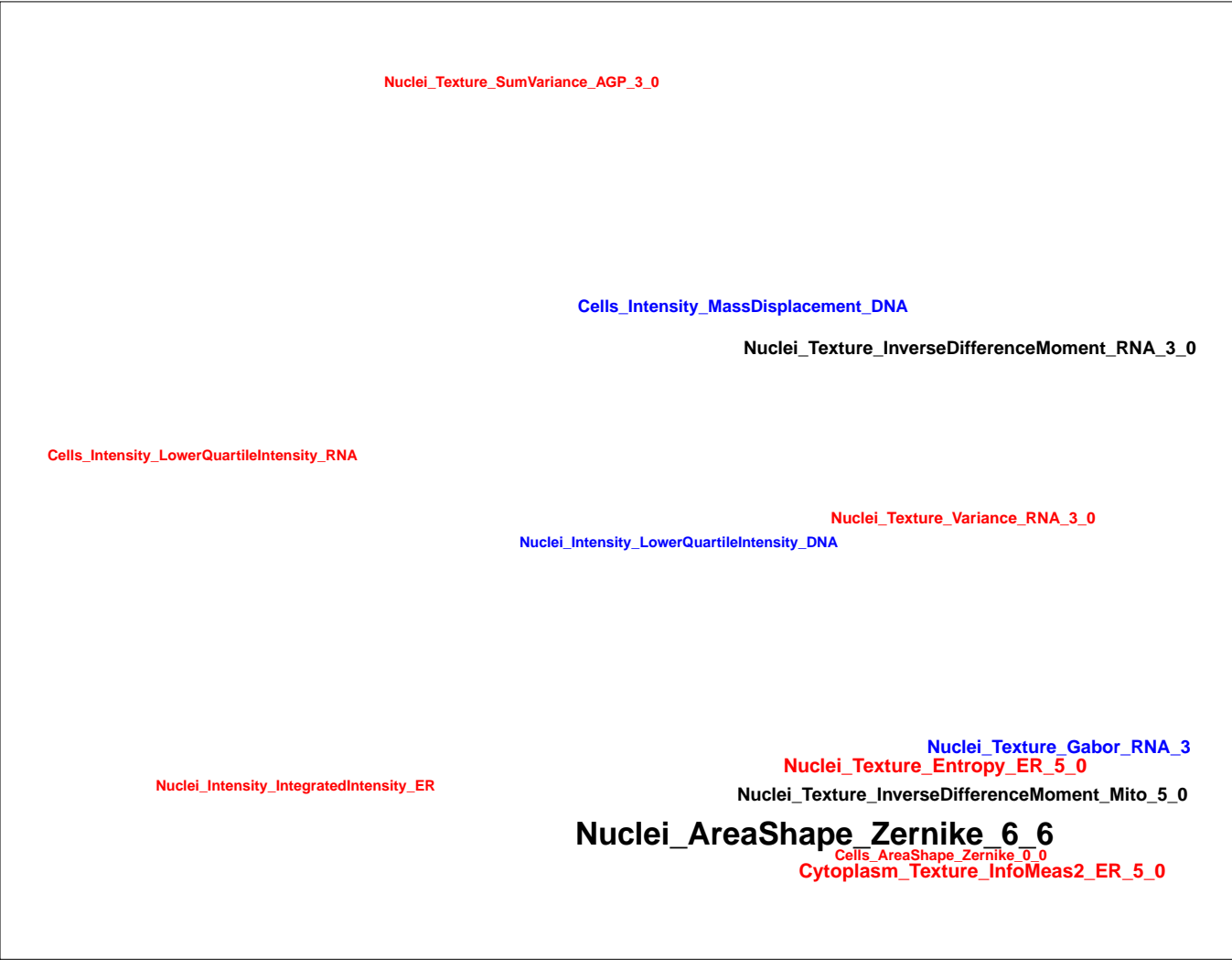
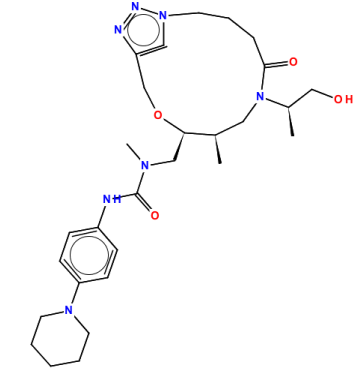
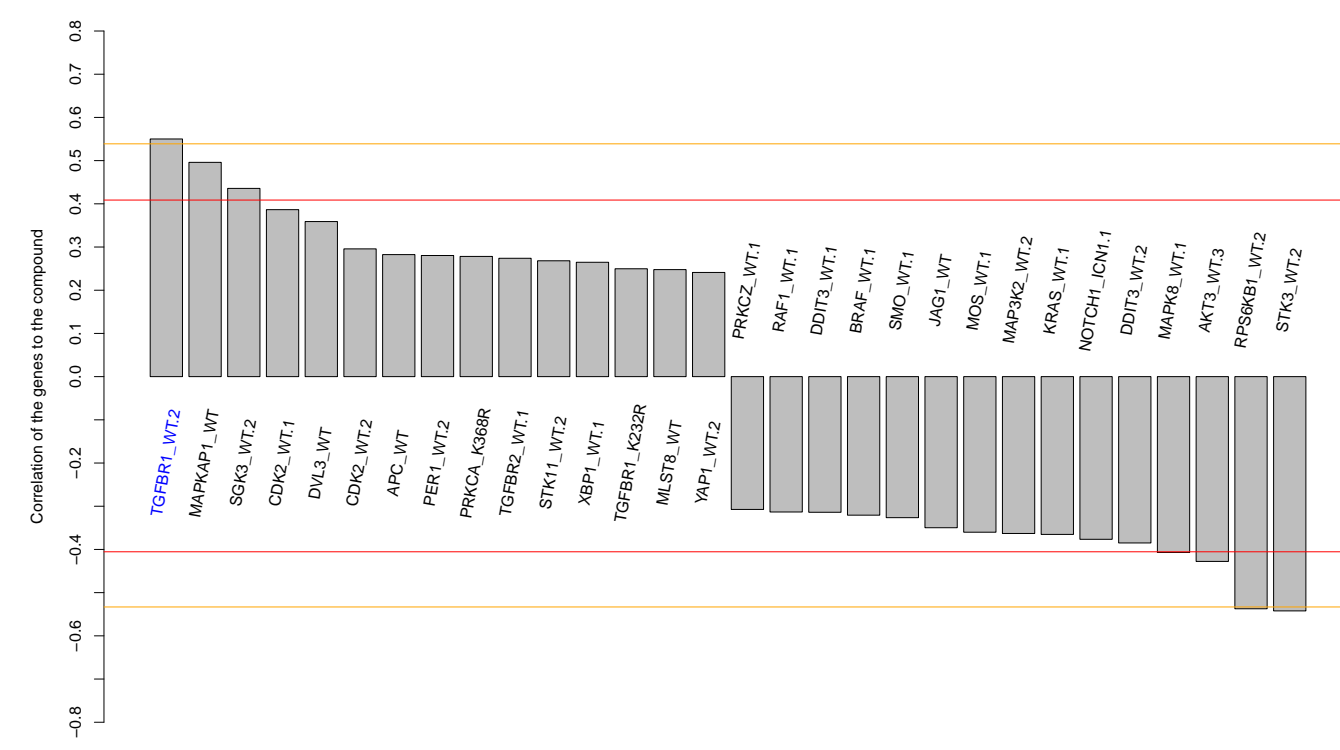
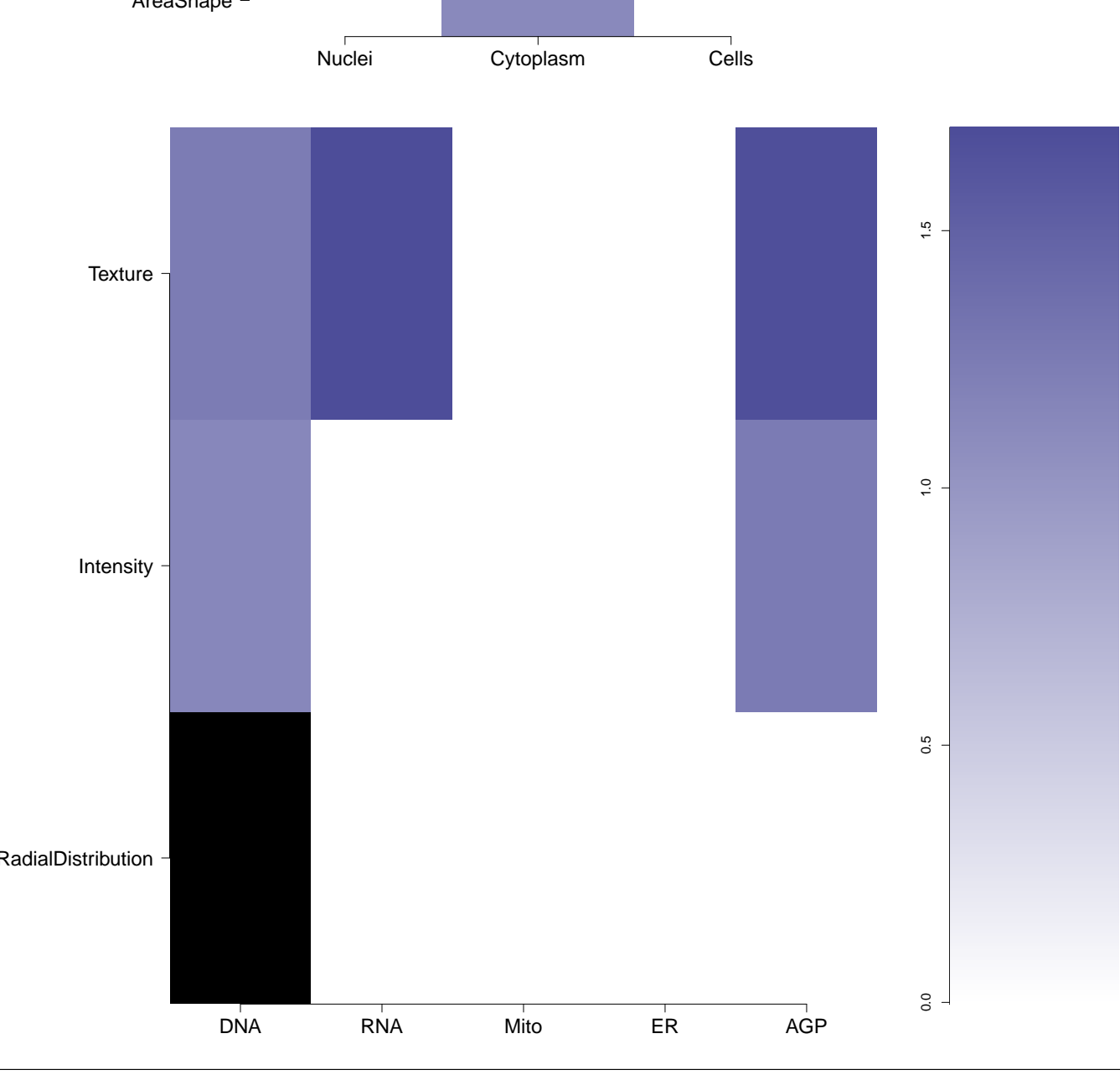
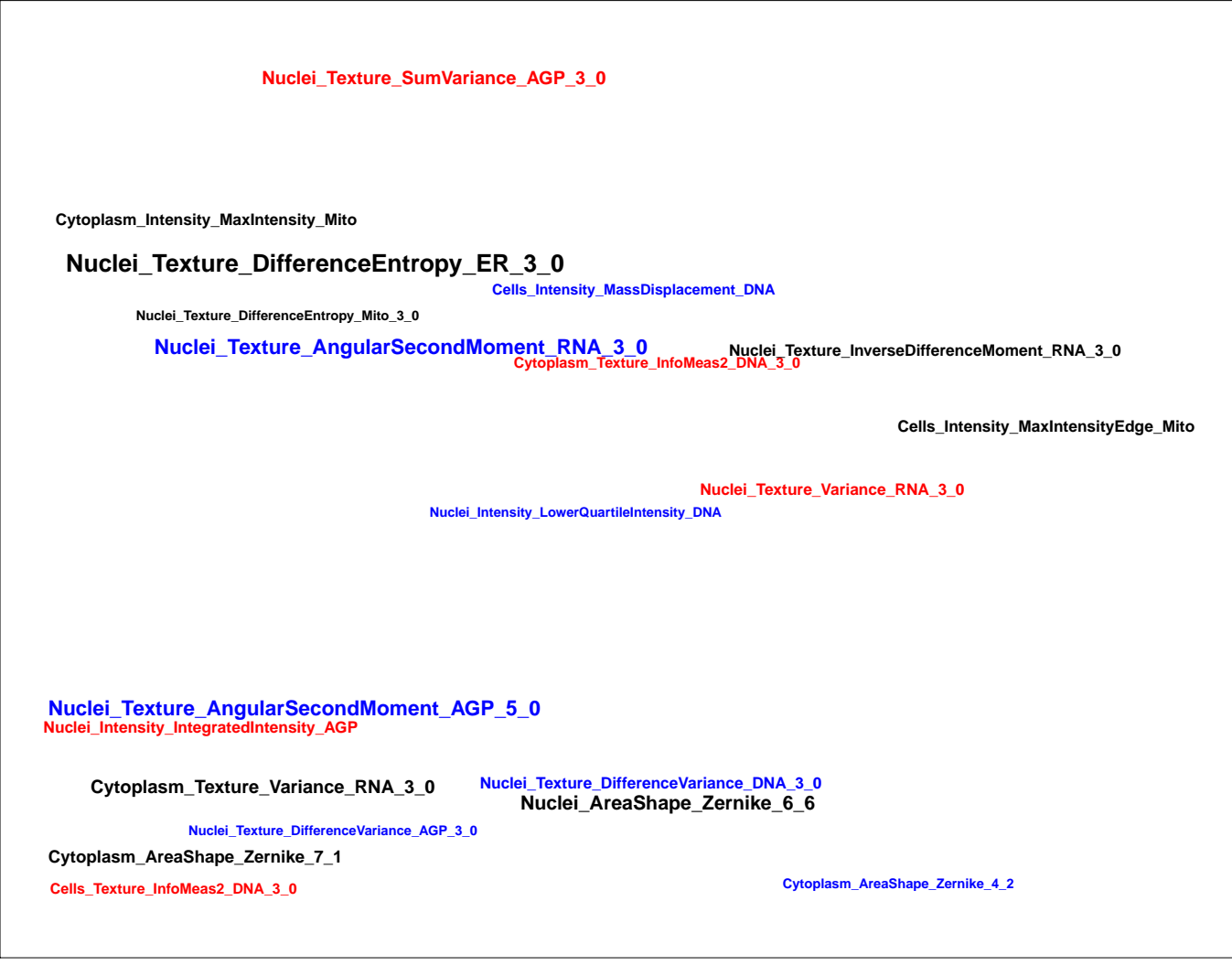
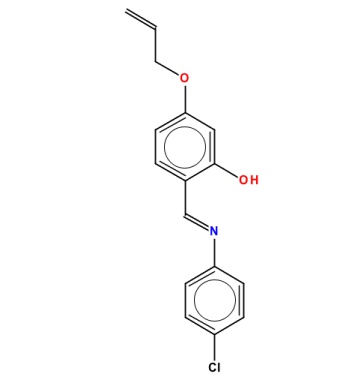
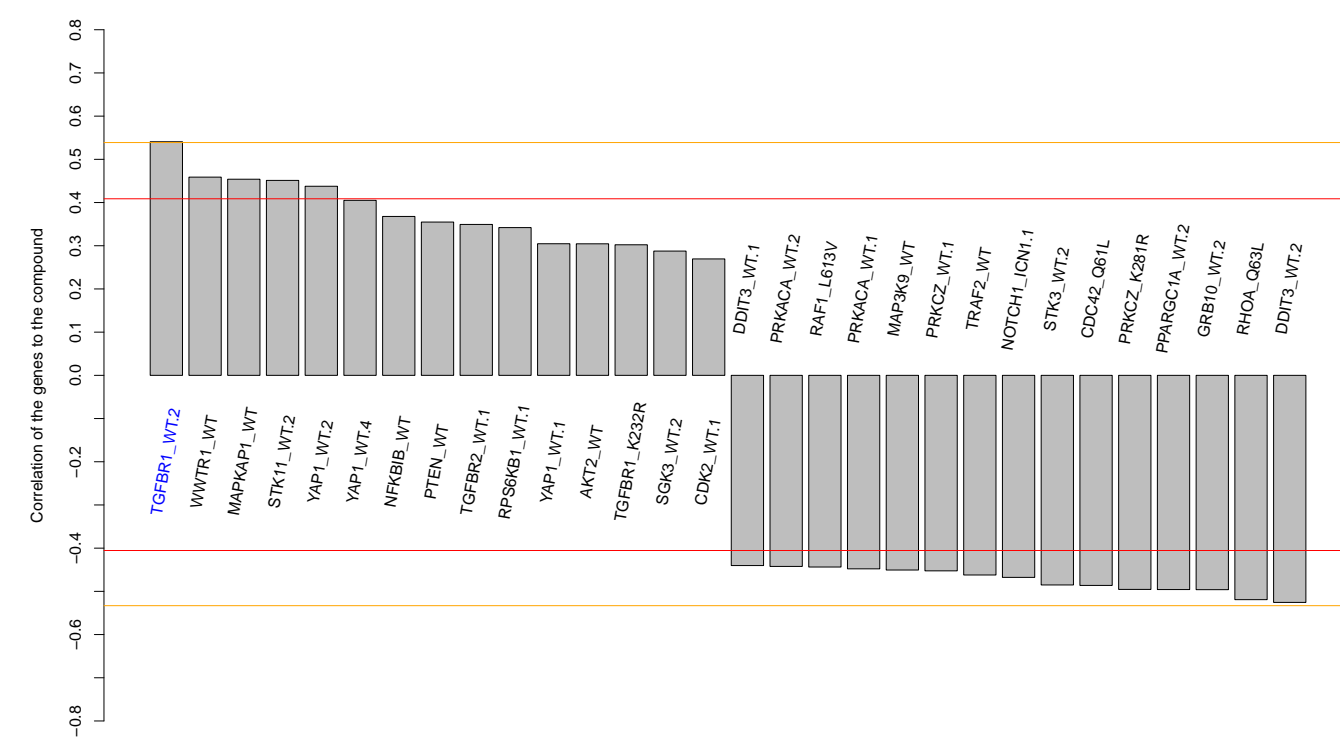
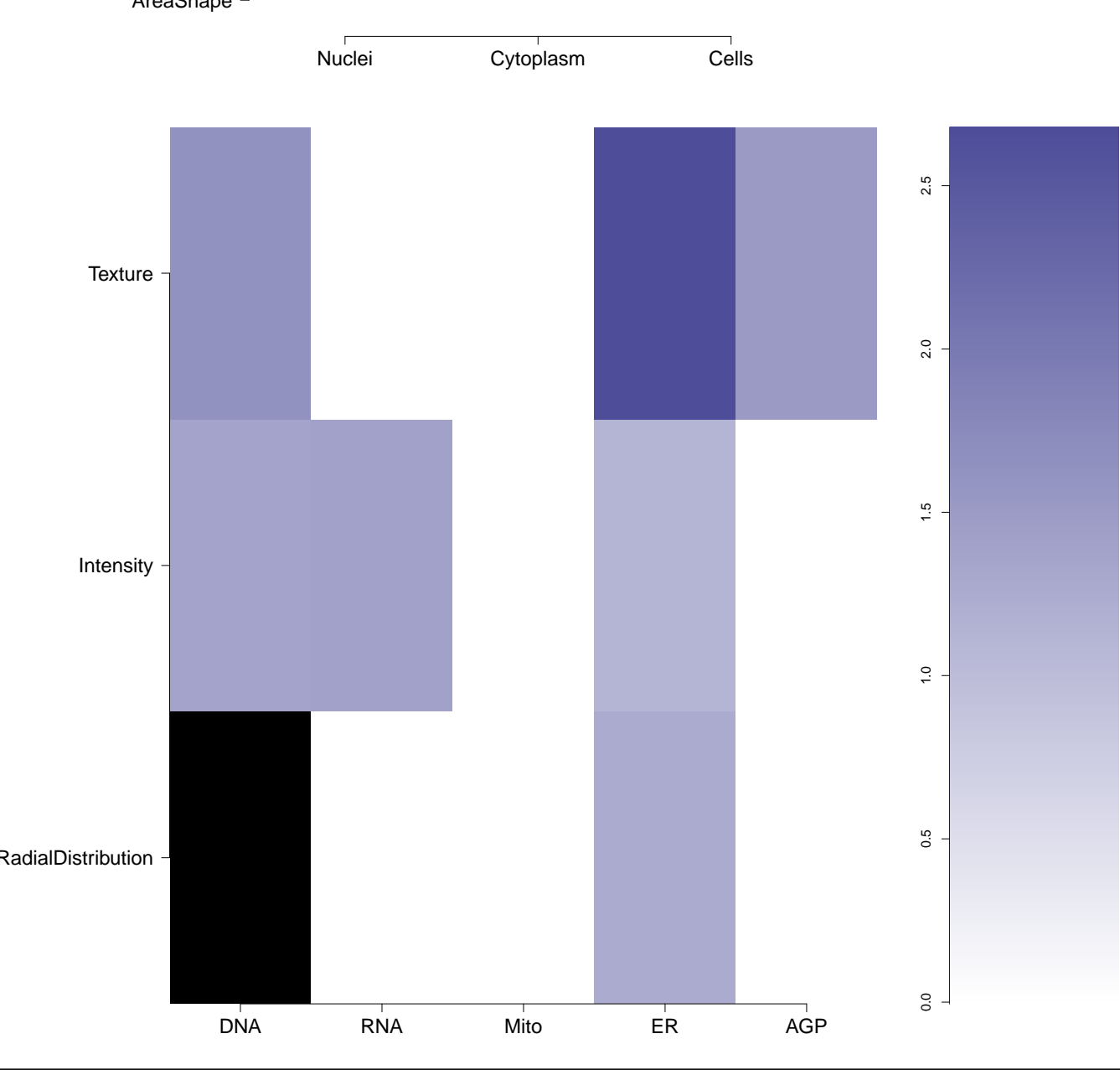
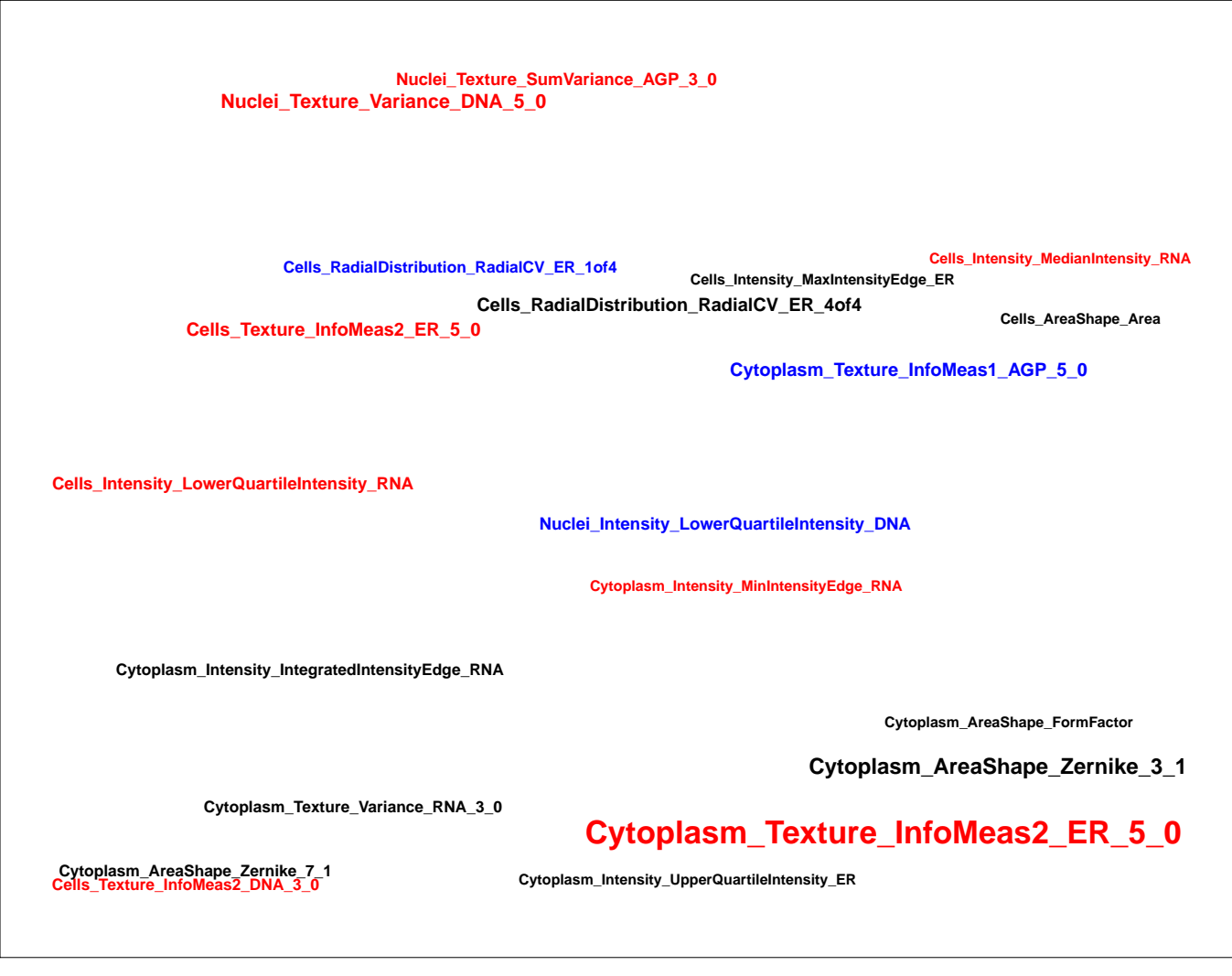
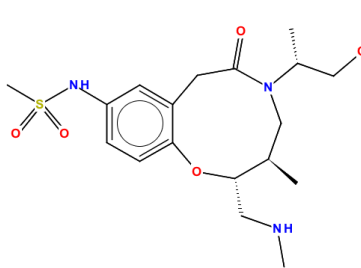
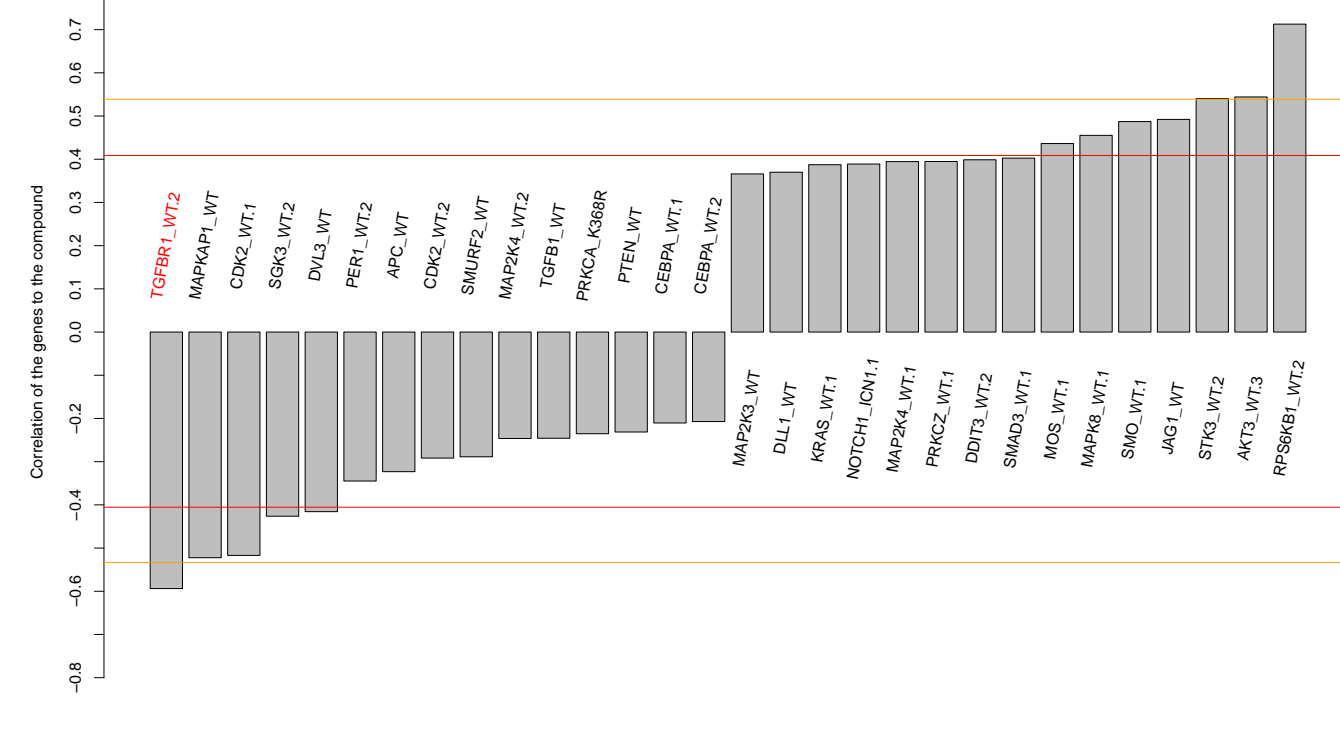
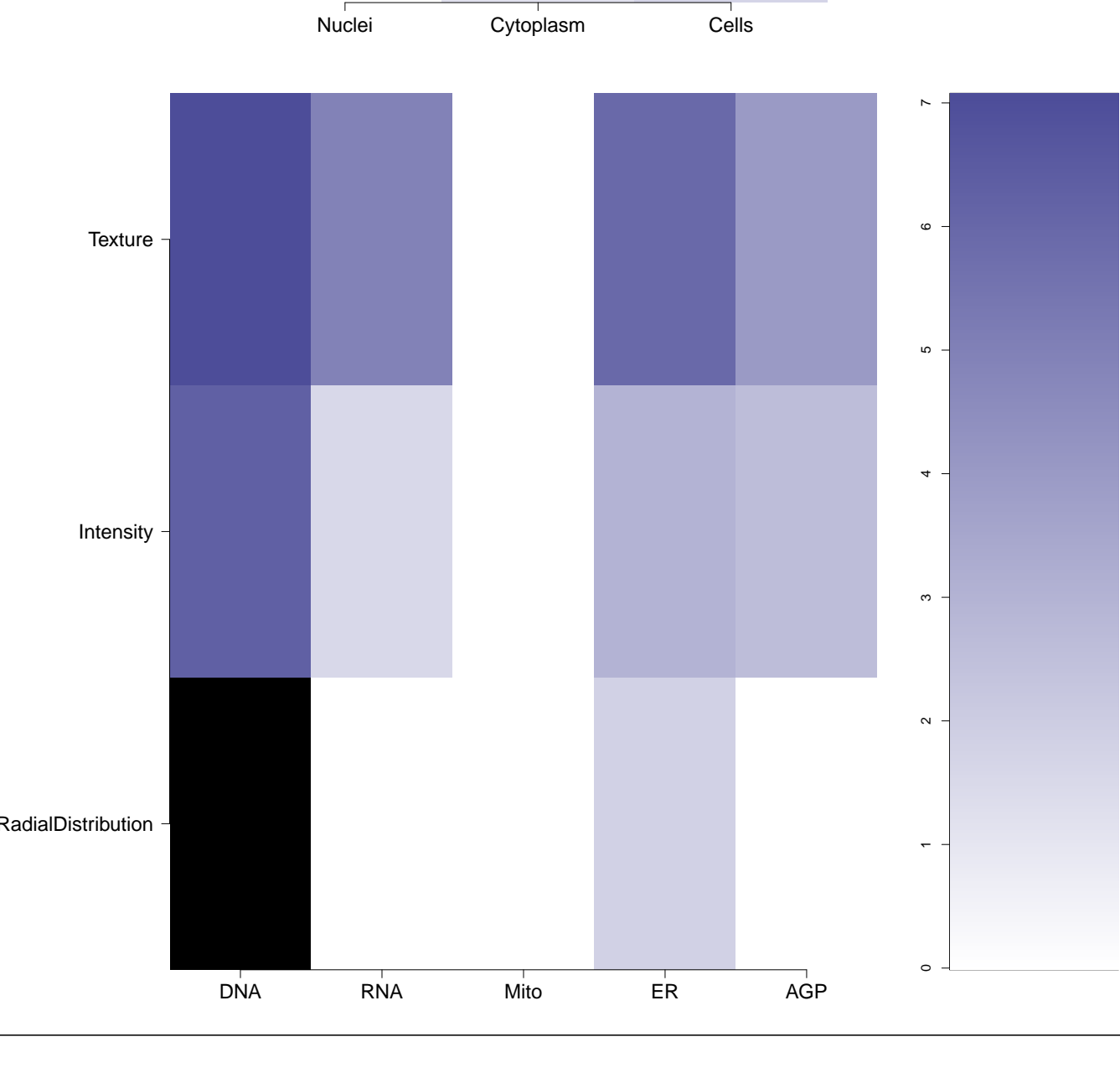
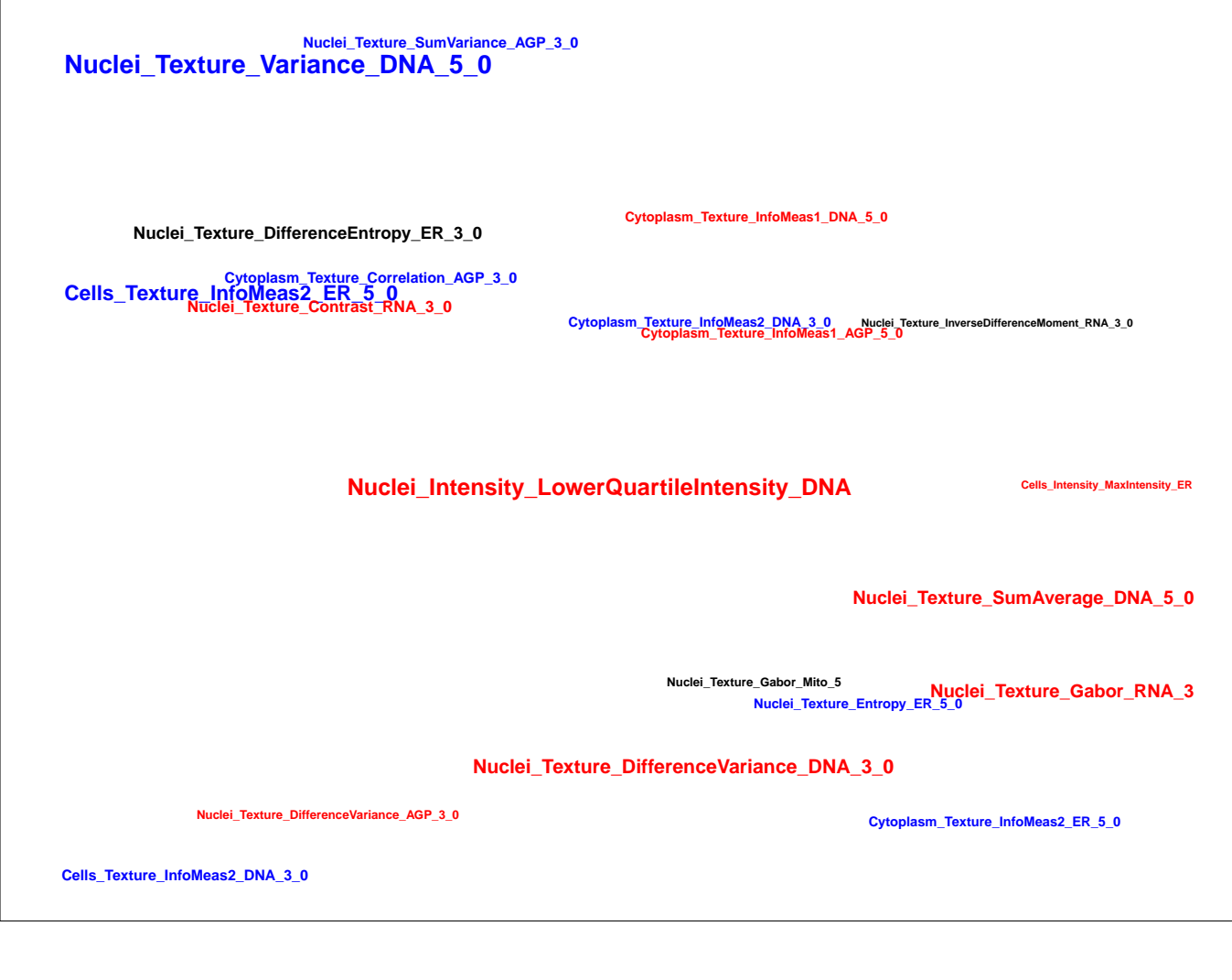
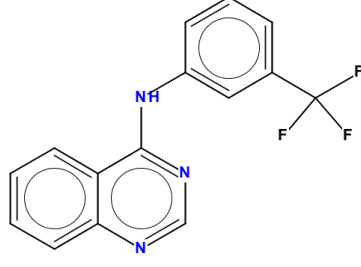
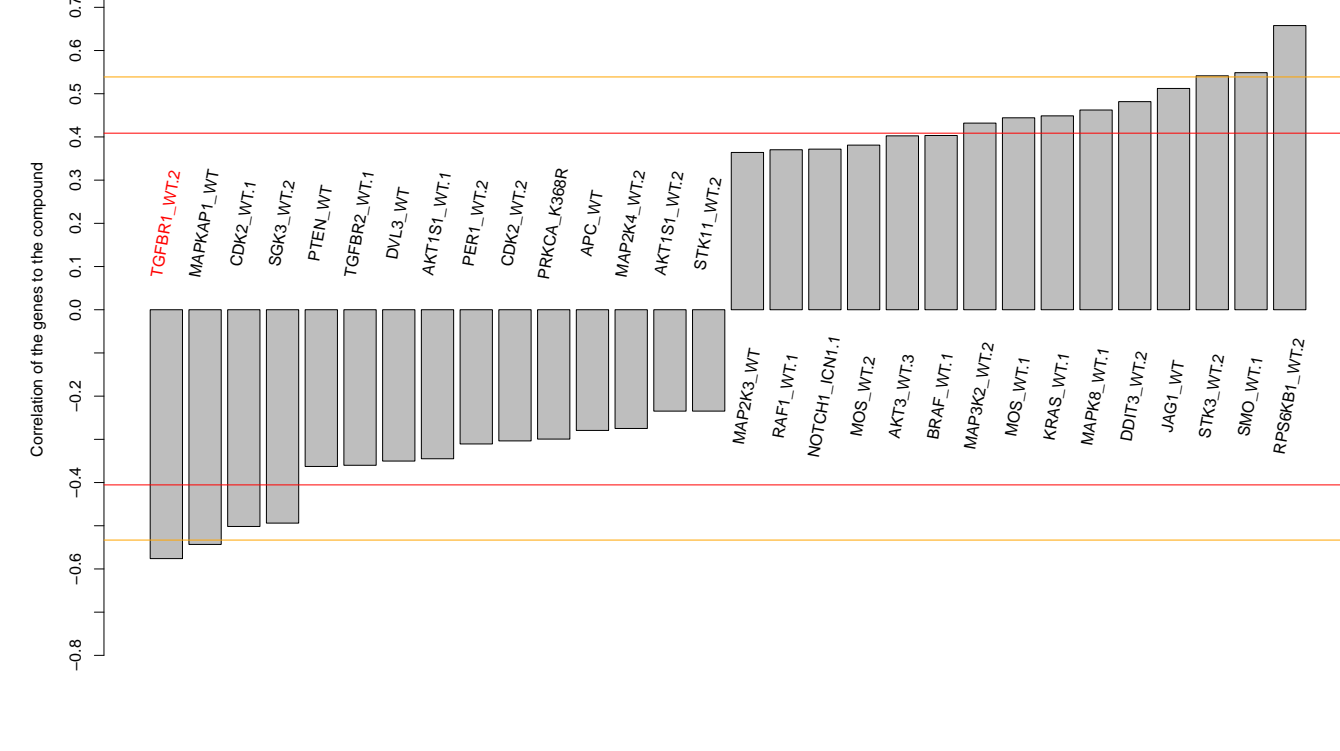
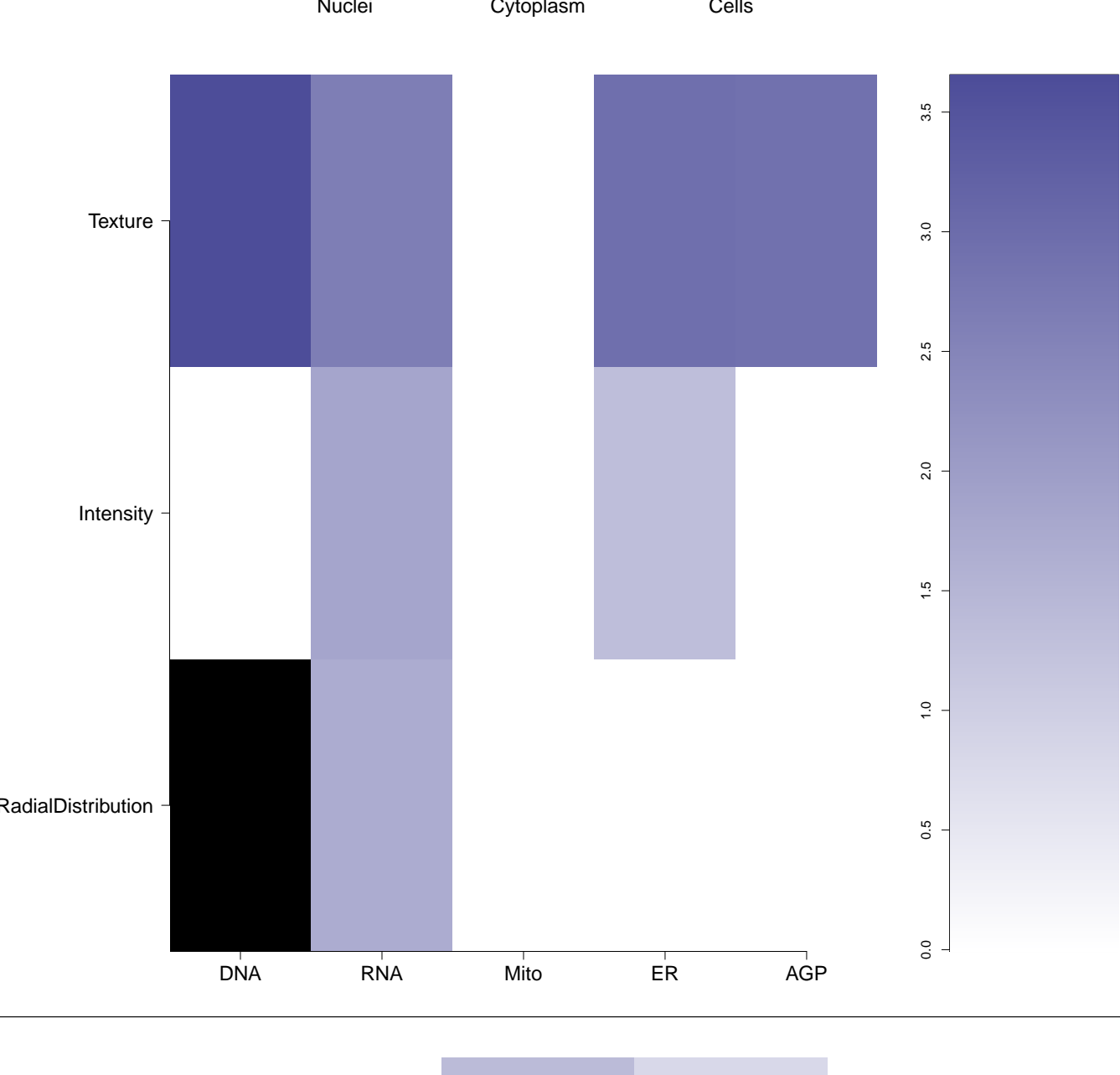

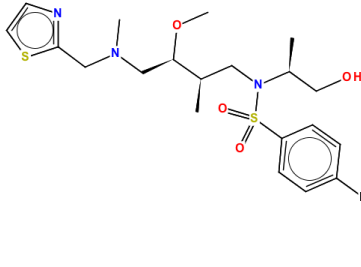
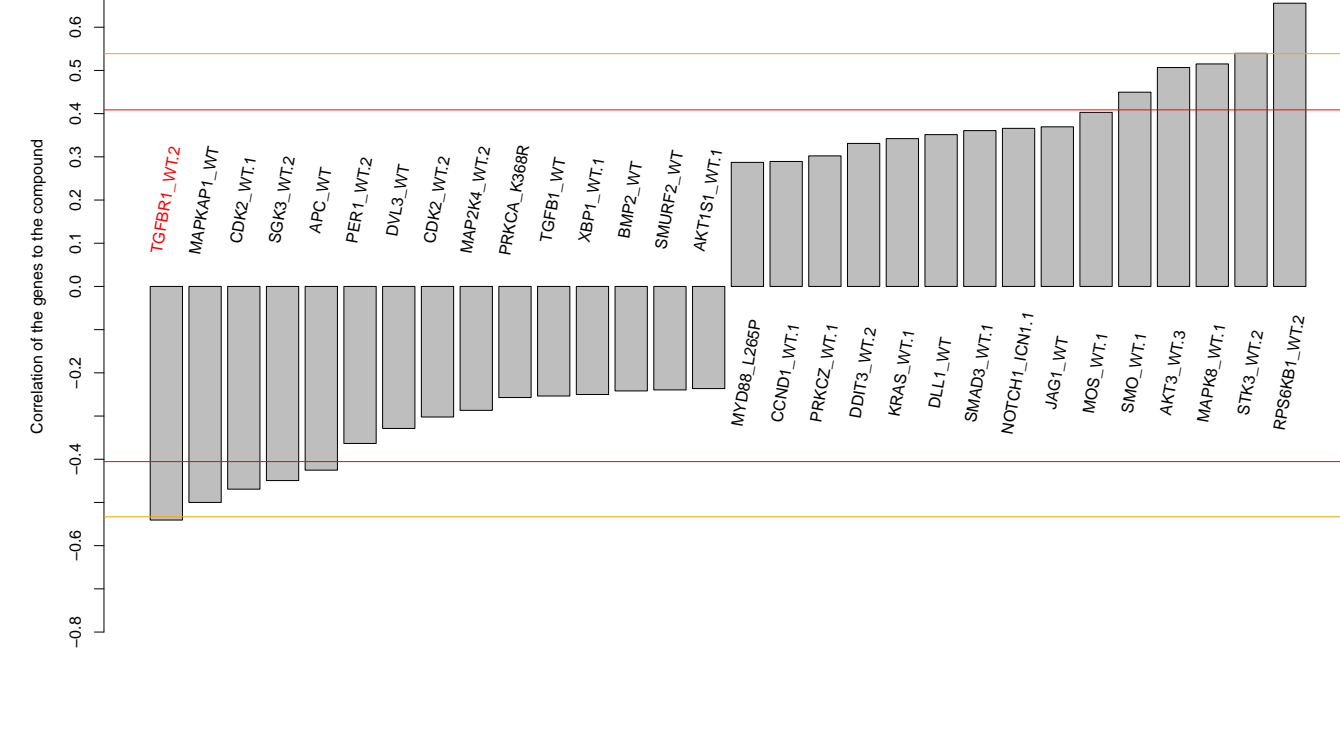
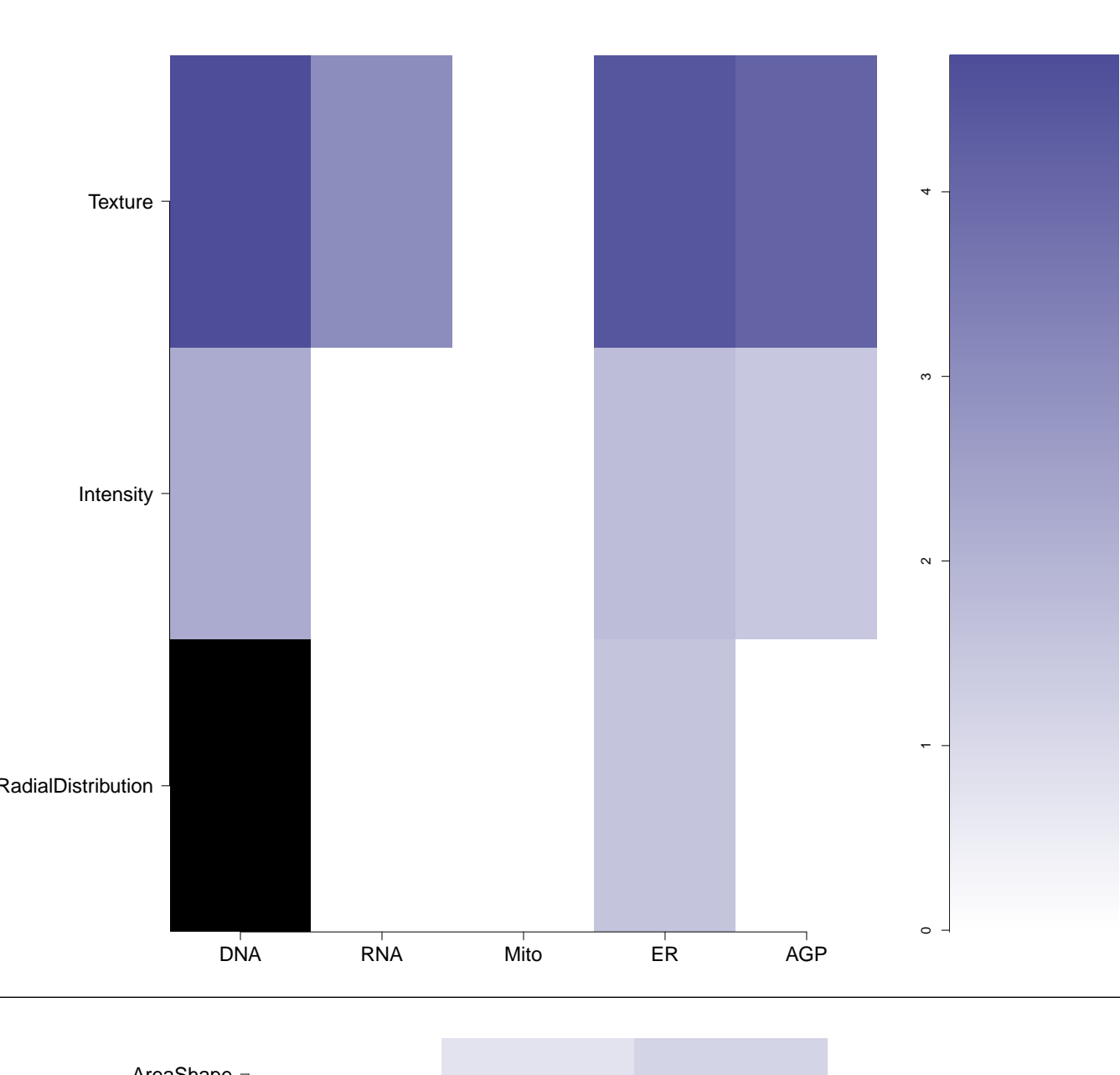
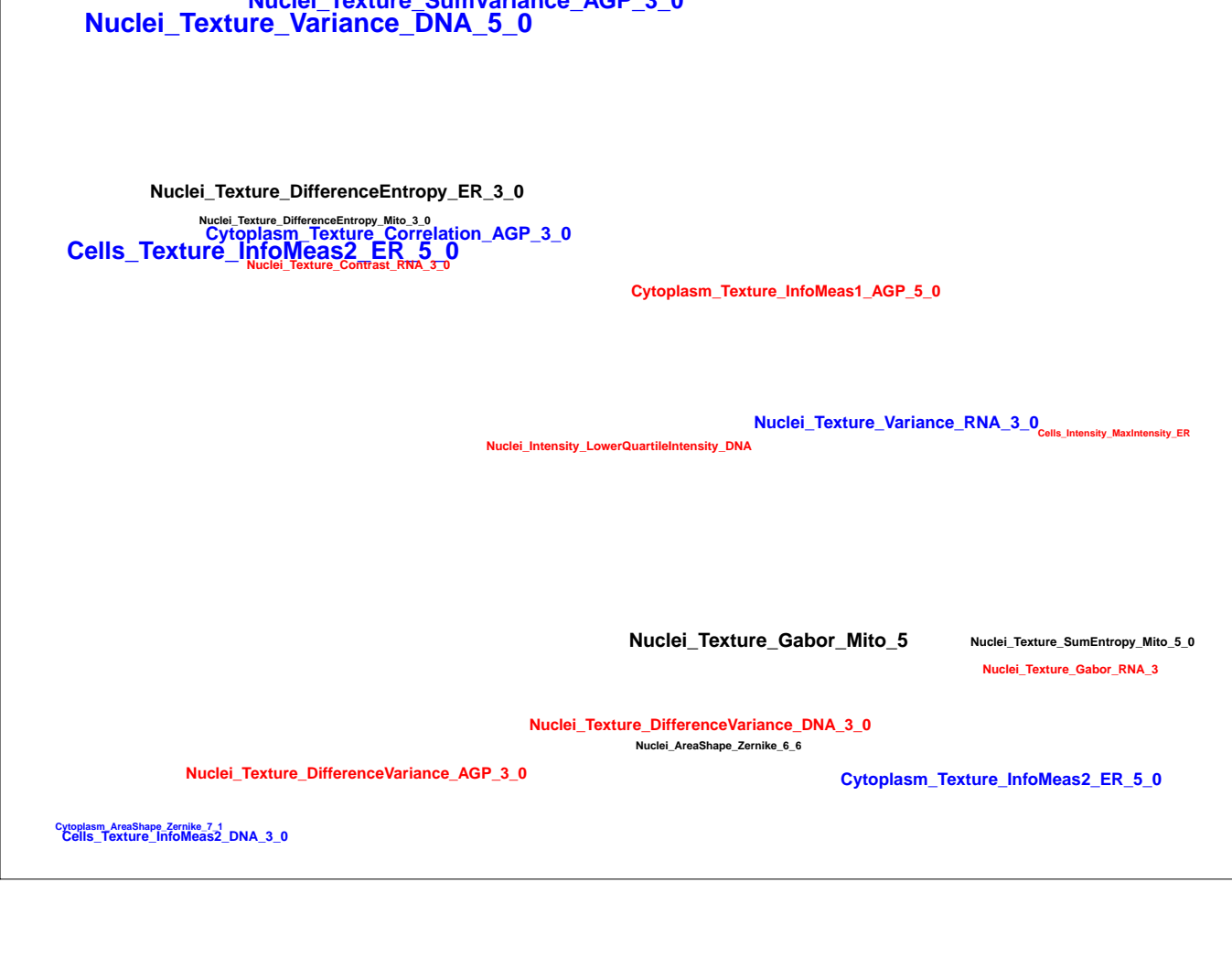
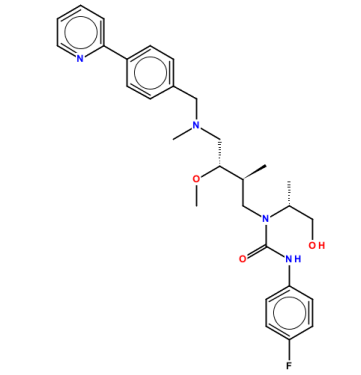
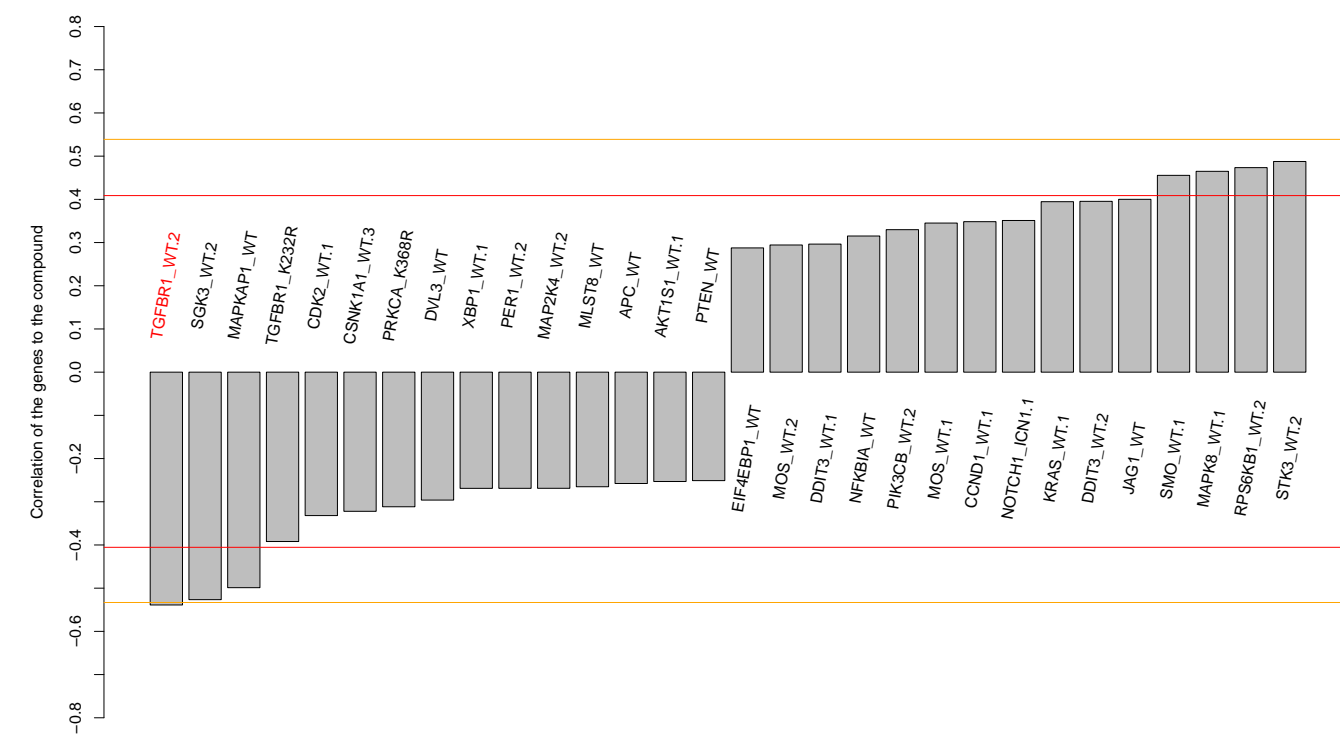
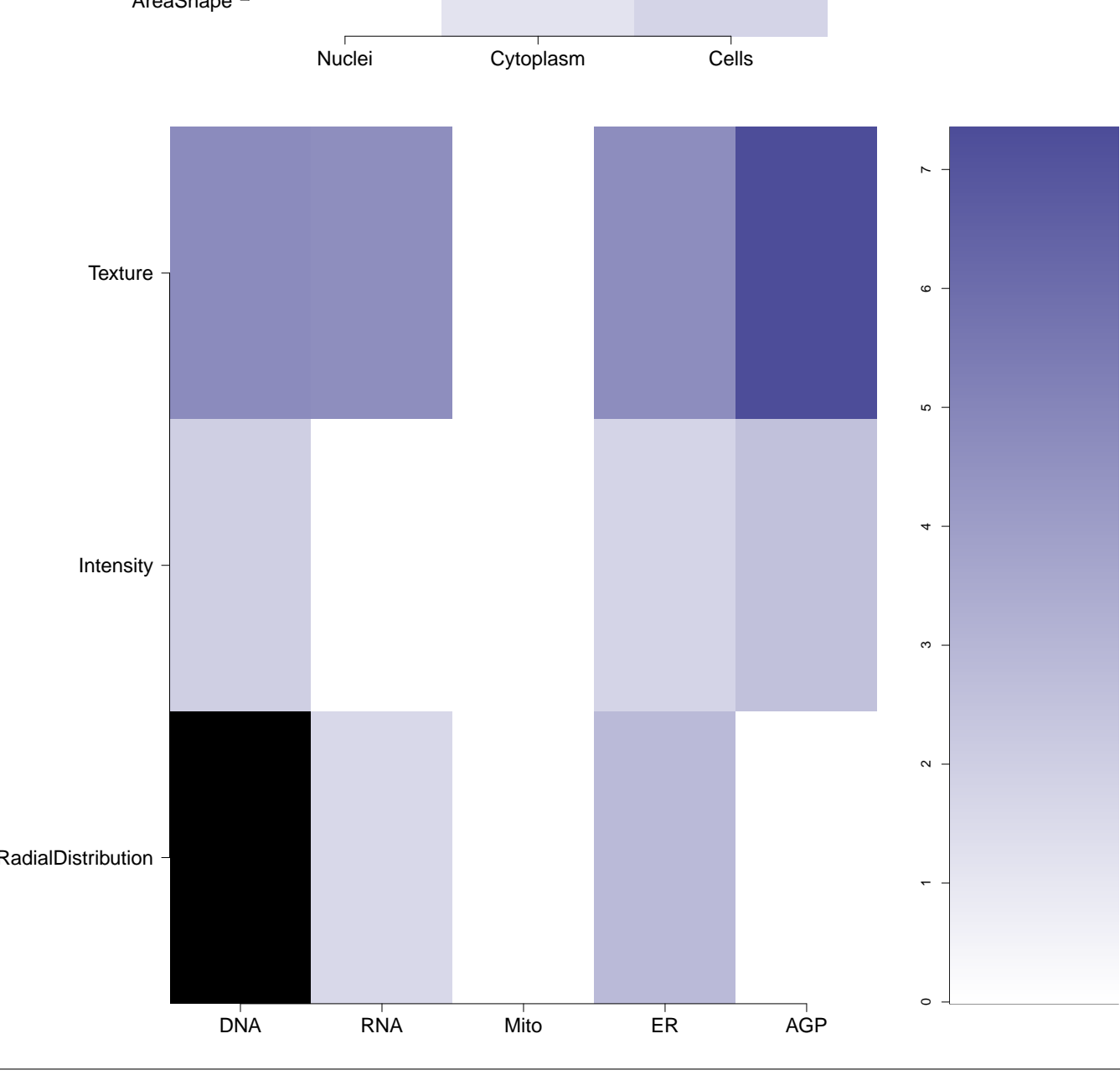
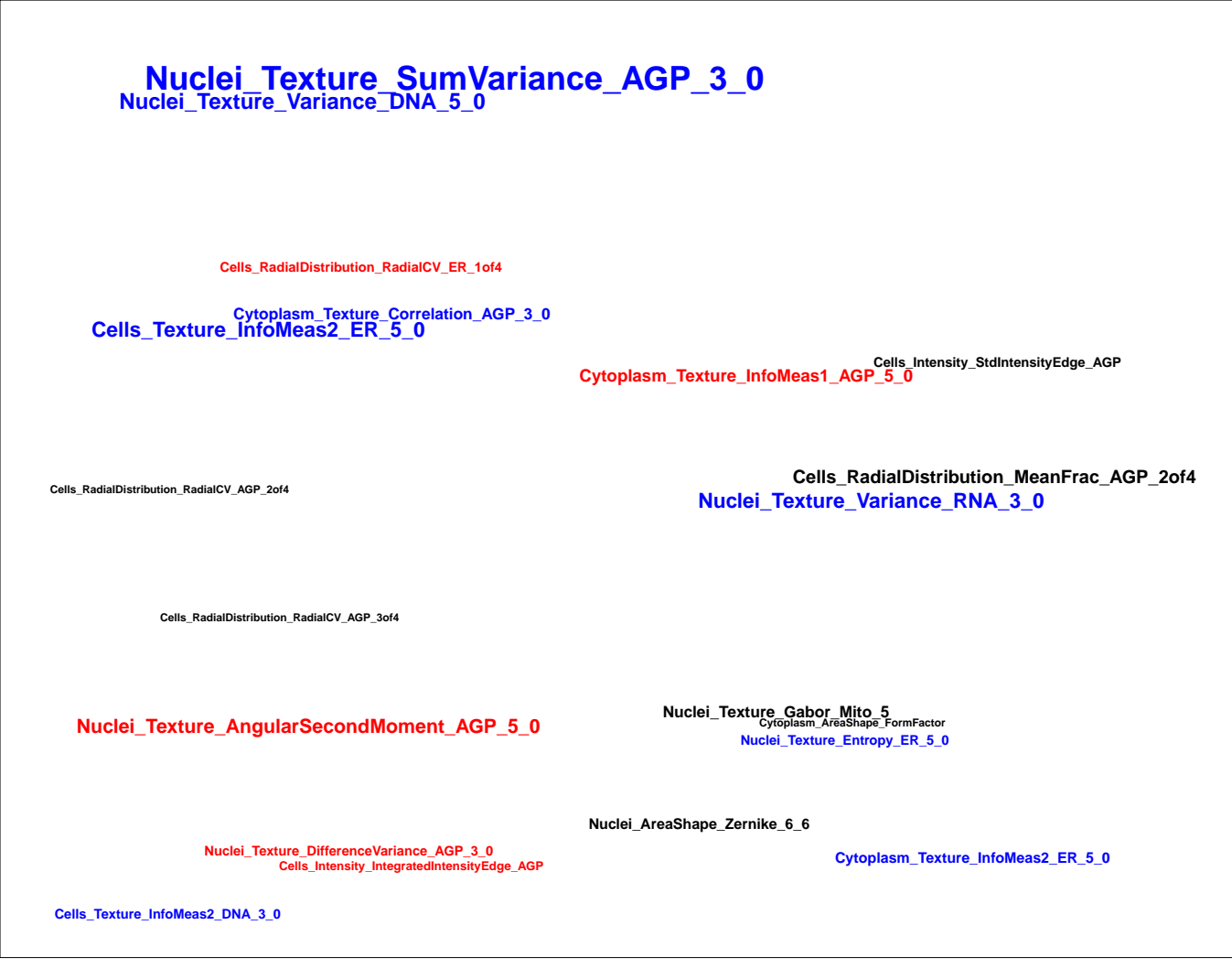


Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.51)	Correlation between compound 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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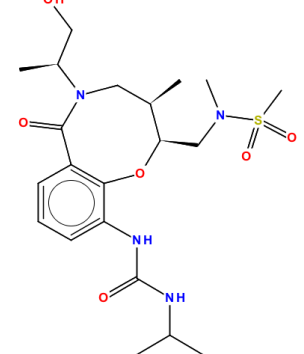
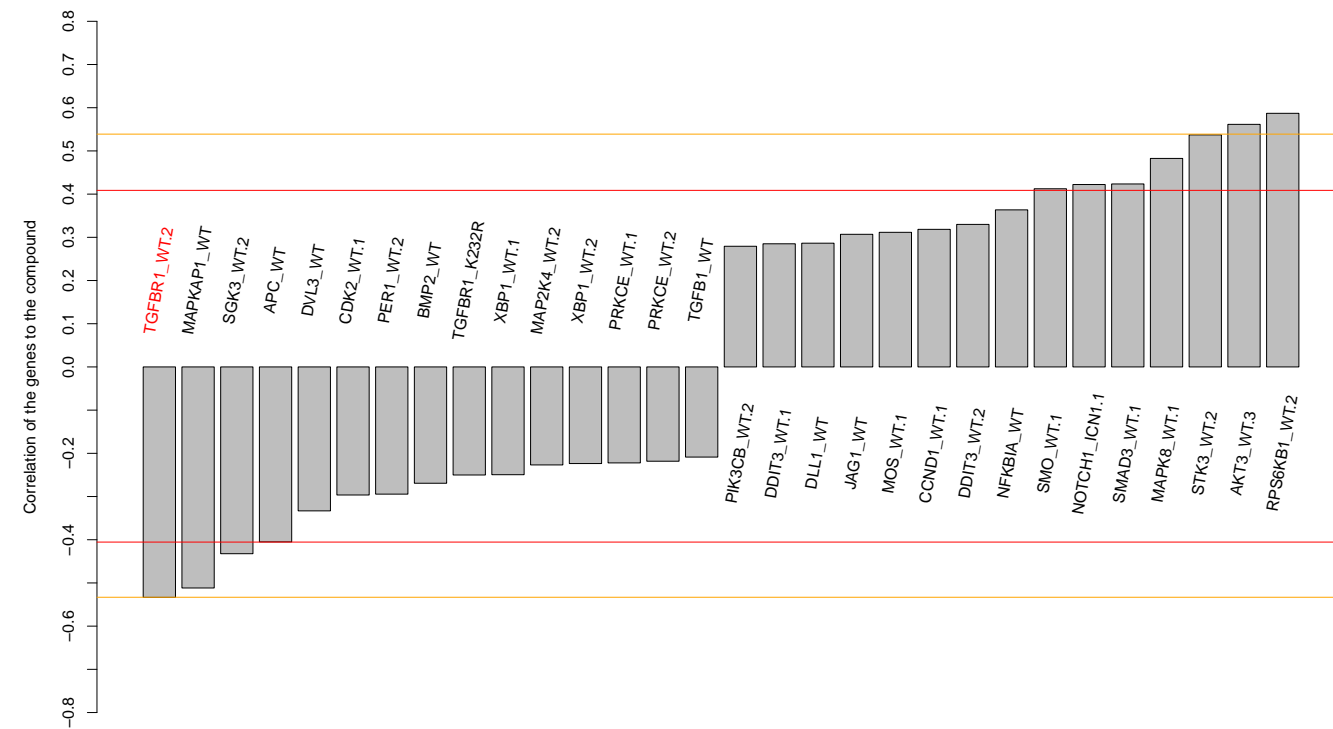
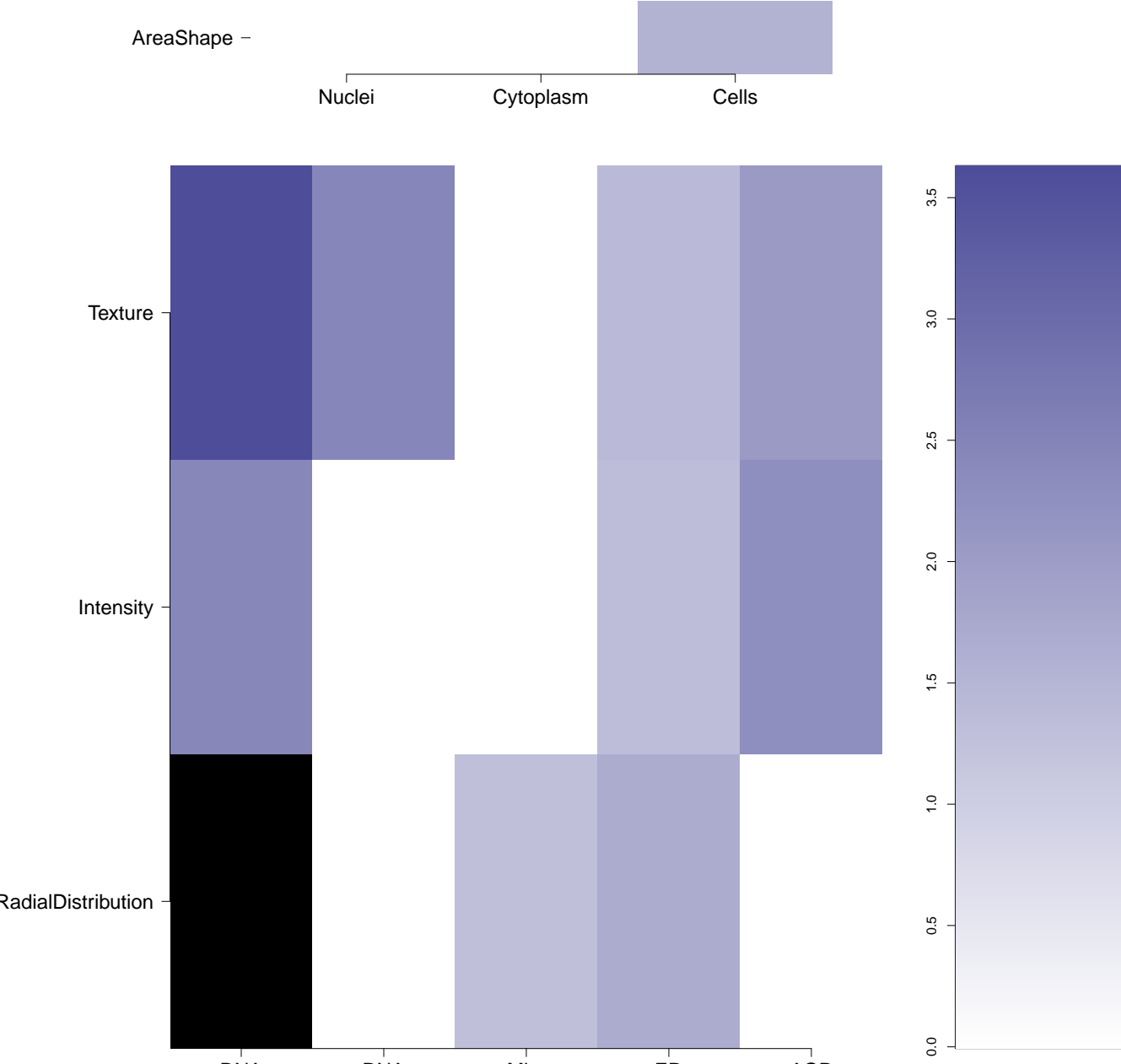
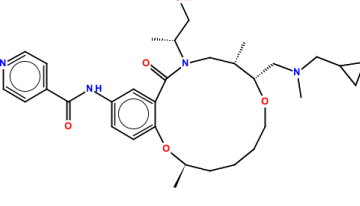

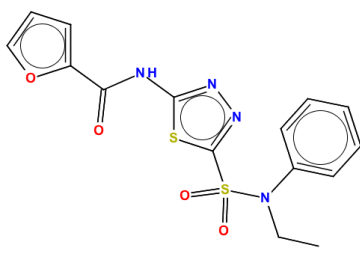
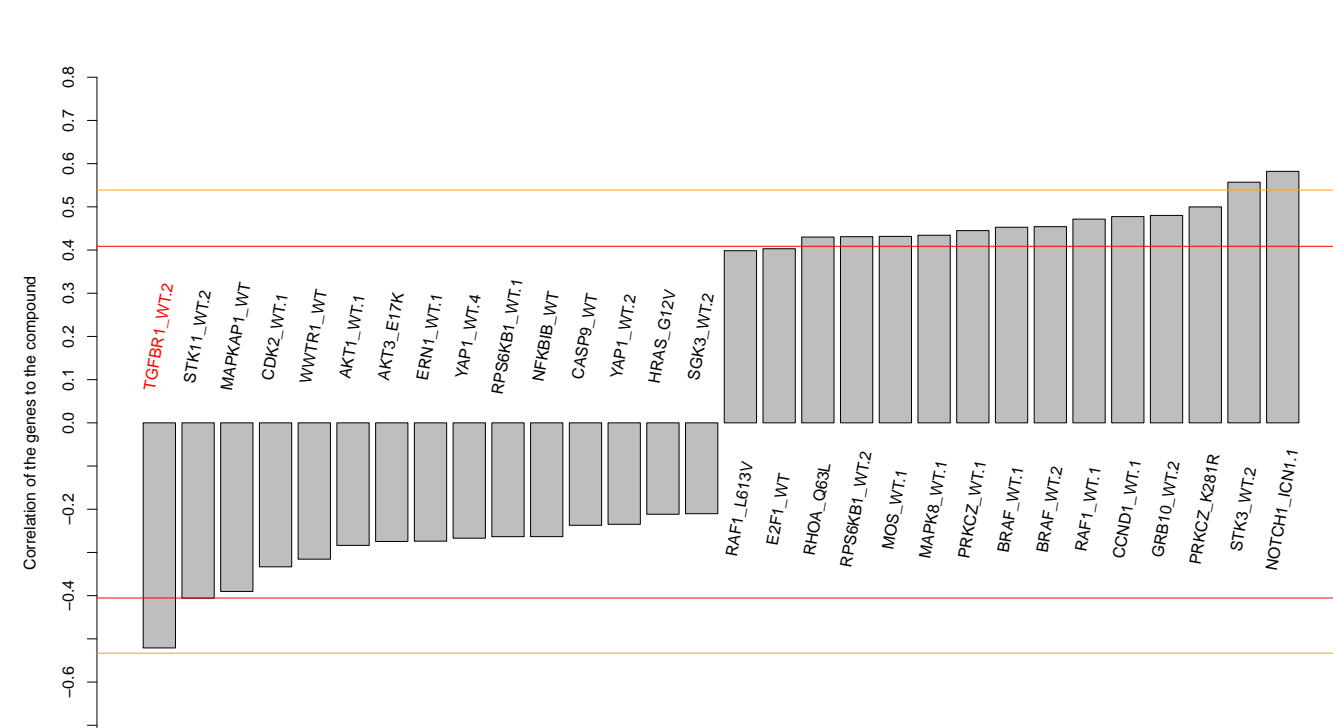
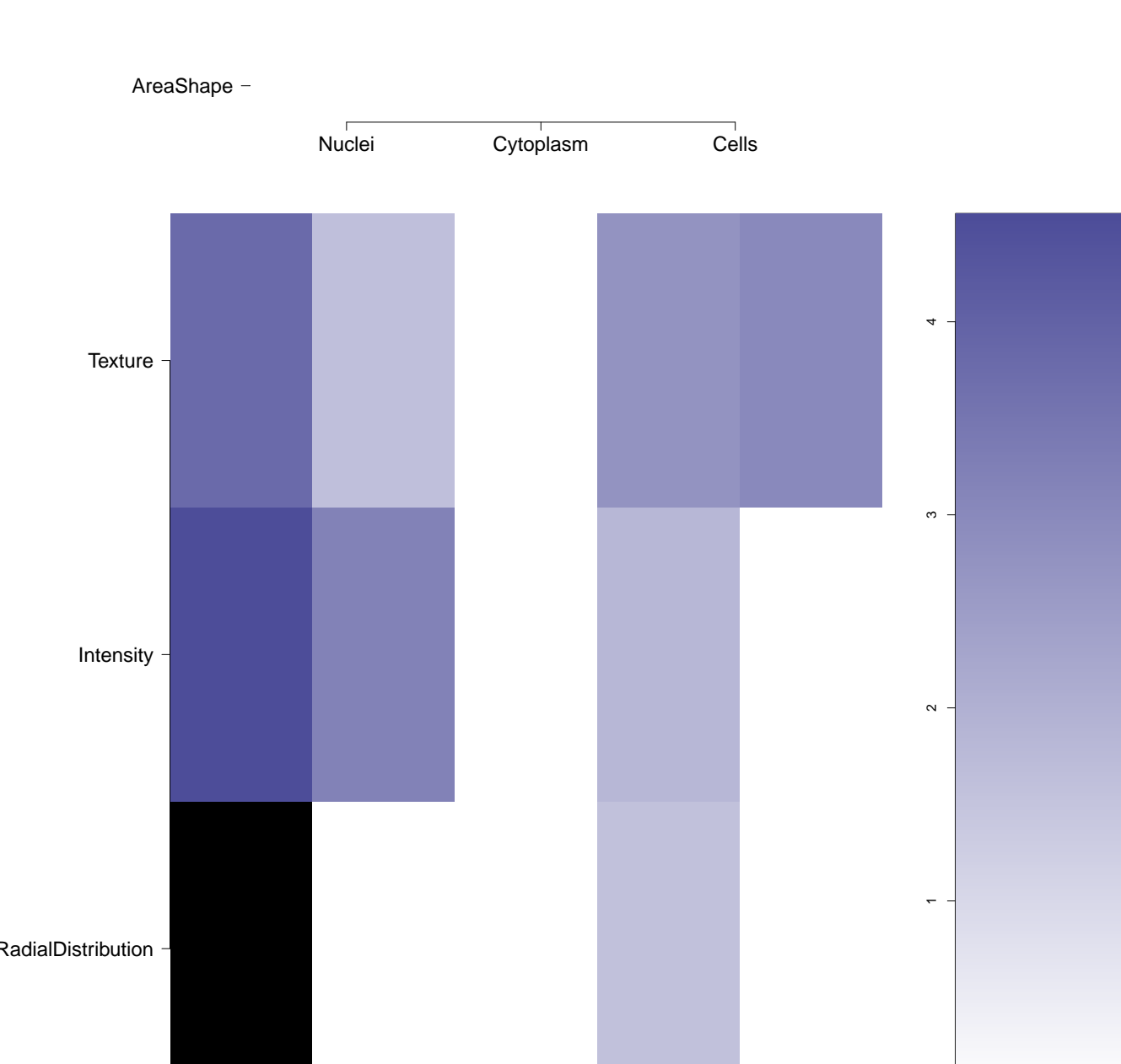

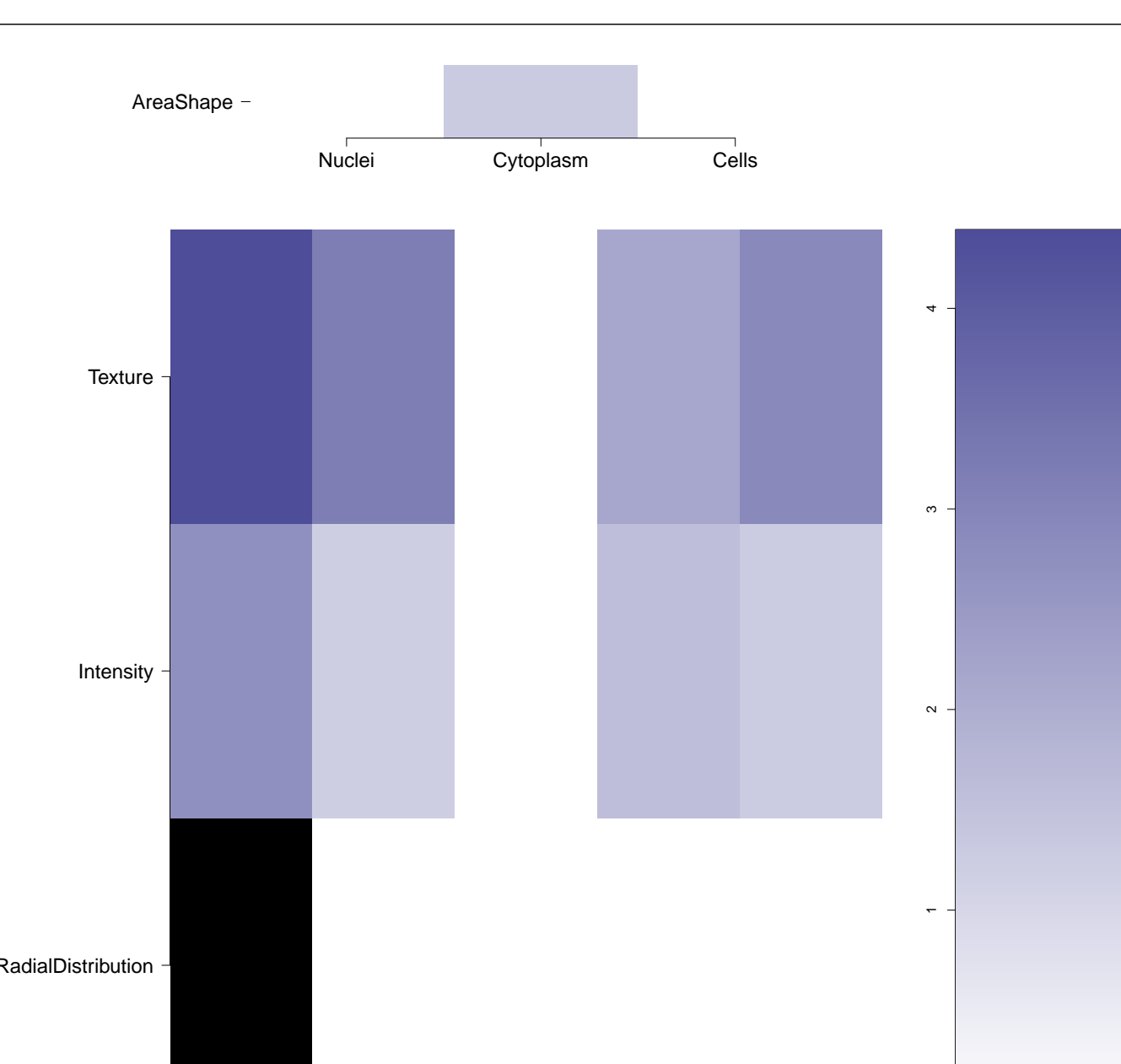
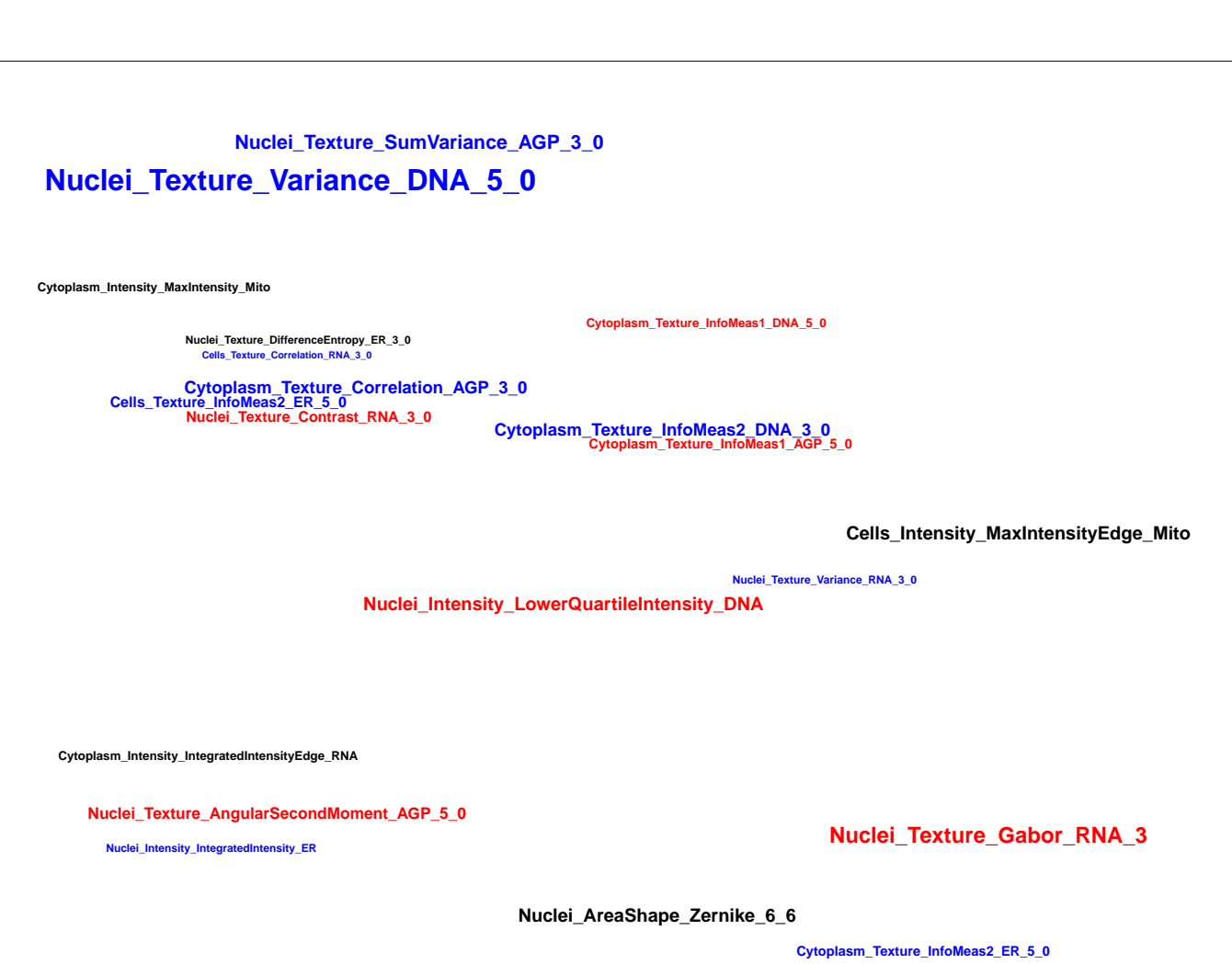


BRD-K29073962-001-01-3 PubChem CID : 54641201		NA (in 1 replicates)	0.62	NA				Total number of assays tested in: 38.
BRD-K24588660-001-05-1 SMR000029508 AC1MMPHI MLS000093894 MLS002588230 HMS2172A20 HMS3307J08 ZINC4077675 PubChem CID : 3242390		NA (in 1 replicates)	0.62	NA				Total number of assays tested in: 758. Active in the following assays: <ul style="list-style-type: none"> <li>Factor XIa Mixture HTS (AID 684)</li> <li>CYP2C9 Assay (AID 777)</li> <li>Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832)</li> </ul>
BRD-K25367375-001-01-4 PubChem CID : 54641172		NA (in 1 replicates)	0.58	NA				Total number of assays tested in: 38.
BRD-K04267190-001-01-4 PubChem CID : 54646512		0.67 (in 4 replicates)	0.58	0.761				Total number of assays tested in: 37.
BRD-K45566213-001-01-3 PubChem CID : 54641069		NA (in 1 replicates)	0.56	NA				Total number of assays tested in: 37.
BRD-A42388265-001-05-5 T5535119 SMR000592452 MLS001177256 MLS003913451 PubChem CID : 16293736		NA (in 1 replicates)	0.56	NA				Total number of assays tested in: 502. Active in the following assays: <ul style="list-style-type: none"> <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>High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553)</li> <li>Primary qHTS for delayed death inhibitors of the malarial parasite plastid, 48 hour incubation (AID 504832)</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>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.Dose.CherryPick.Activity (AID 651717)</li> <li>qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)</li> </ul>
BRD-K15234779-001-01-0 PubChem CID : 44489816		0.55 (in 3 replicates)	0.55	0.801				Total number of assays tested in: 50.



BRD-K08564817-001-05-4 T0510-5883 MLS000391550 ZINC13136880 SMR000260585 PubChem CID : 9669714		NA (in 1 replicates)	0.55	NA				<p>Total number of assays tested in: 643. Active in the following assays:</p> <ul style="list-style-type: none"> <li>VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546)</li> <li>qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)</li> <li>uHTS identification of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463190)</li> <li>Single concentration confirmation of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 463213)</li> <li>qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)</li> <li>qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)</li> <li>qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)</li> </ul>
BRD-K02291788-001-01-4 PubChem CID : 44492057		0.62 (in 3 replicates)	0.55	0.836				<p>Total number of assays tested in: 50.</p>
BRD-K94042366-001-05-1 ST4020213 AC1NY2YB MLS000585916 HMS2566G11 STK752281 SMR000207697 PubChem CID : 5823126		NA (in 1 replicates)	0.54	NA				<p>Total number of assays tested in: 629.</p>
BRD-K61020385-001-01-2 PubChem CID : 44495910		0.80 (in 4 replicates)	-0.59	0.317				<p>Total number of assays tested in: 58. Active in the following assays:</p> <ul style="list-style-type: none"> <li>HIV entry: Env-mediated Cell Fusion Measured in Cell-Based System Using Plate Reader - 7013-01-Inhibitor.SinglePoint.HTS-Activity (AID 651610)</li> </ul>
BRD-K96925768-003-06-3 ST060782 SMR000010339 MLS000076322 AC1MDG57 MLS002537108 NSC-728118 PubChem CID : 2789330		0.86 (in 2 replicates)	-0.58	NA				<p>Total number of assays tested in: 749. Active in the following assays:</p> <ul style="list-style-type: none"> <li>Luminescence Cell-Based Dose Retest to Confirm Inhibitors of Cancer Stem Cells (AID 449748)</li> <li>Dose Response HTS Screen to Identify Cytotoxic Compounds of HMLE.sh.eGFP (AID 463074)</li> <li>uHTS identification of small molecule inhibitors of tim23-1 yeast via a luminescent assay (AID 463212)</li> <li>qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)</li> <li>qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)</li> </ul>
BRD-K67241457-001-01-1 PubChem CID : 54649053		0.71 (in 2 replicates)	-0.54	0.767				<p>Total number of assays tested in: 36.</p>
BRD-K62820230-001-01-1 PubChem CID : 54649258		0.62 (in 2 replicates)	-0.54	0.817				<p>Total number of assays tested in: 38.</p>



<div>BRD-K31998691-001-01-5 PubChem CID : 44494777</div>	<div></div>	0.69 (in 3 replicates)	-0.53	0.163	<div></div>	<div></div>	<div></div>	Total number of assays tested in: 38.
<div>BRD-K93766911-001-06-4 ZINC02857167 AC1M3CLL Ambcb7819677 MLS000621370 HMS2671P07 ZINC2857167 SMR000294392 PubChem CID : 2210441</div>	<div></div>	NA (in 1 replicates)	-0.53	NA	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 634. Active in the following assays:<ul style="list-style-type: none"><li>Primary cell-based high-throughput screening assay for identification of compounds that protect hERG from block by proarrhythmic agents (AID 1511)</li><li>uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346)</li><li>Activator for delta FosB/delta FosB homodimer Measured in Biochemical System Using Plate Reader - 2072-01.Activator.SinglePoint.HTS.Activity (AID 493131)</li></ul></div>
<div>BRD-K72255288-001-01-9 PubChem CID : 44501111</div>	<div></div>	0.82 (in 4 replicates)	-0.53	0.218	<div></div>	<div></div>	<div></div>	Total number of assays tested in: 46.
<div>BRD-K36345680-001-05-8 SMR000006898 MLS000073930 AC1LD9R7 MLS004496834 HMS2415P21 ASN 06571284 PubChem CID : 644670</div>	<div></div>	0.58 (in 2 replicates)	-0.52	NA	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 804. Active in the following assays:<ul style="list-style-type: none"><li>uHTS for 14-3-3/3ad interaction inhibitors (AID 781)</li><li>HCS for Compounds that Up-Regulate Insulin Promoter Activity in MIN6 Cells (AID 1625)</li><li>Counterscreen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483)</li></ul></div>
<div>BRD-K19608696-001-04-5 MLS001121487 HMS1859H04 HMS2253I17 ZINC6818267 ZINC06818267 SMR000626594 E157-5383 PubChem CID : 16017323</div>	<div></div>	NA (in 1 replicates)	-0.52	NA	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 508. Active in the following assays:<ul style="list-style-type: none"><li>qHTS Screen for Compounds that Selectively Target Cancer Cells with p53 Mutations: Cytotoxicity of p53ts Cells at the Nonpermissive Temperature (AID 902)</li><li>qHTS Screen for Compounds that Selectively Target Cancer Cells with p53 Mutations: Cytotoxicity of p53 Null Cells at the Nonpermissive Temperature (AID 904)</li><li>A screen for compounds that inhibit cell wall-associated teichoic acid synthesis in Staphylococcus aureus (AID 463173)</li><li>qHTS Assay for the Inhibitors of Schistosoma Mansoni Peroxidoxins (AID 485364)</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>Absorbance-based biochemical primary high throughput screening assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651718)</li><li>Absorbance-based biochemical high throughput confirmation assay to identify inhibitors of Methionine sulfoxide reductase A (MsrA) (AID 651822)</li></ul></div>
<div>BRD-K43966462-001-01-5 PubChem CID : 54618657</div>	<div></div>	0.59 (in 4 replicates)	-0.50	0.295	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 40. Active in the following assays:<ul style="list-style-type: none"><li>Inhibitors of Epstein-Barr LMP1 inducible NF-kappaB luciferase reporter Measured in Cell-Based System Using Plate Reader - 2122-06.Inhibitor.Dose.DryPowder.Activity-Set2 (AID 624361)</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></ul></div>