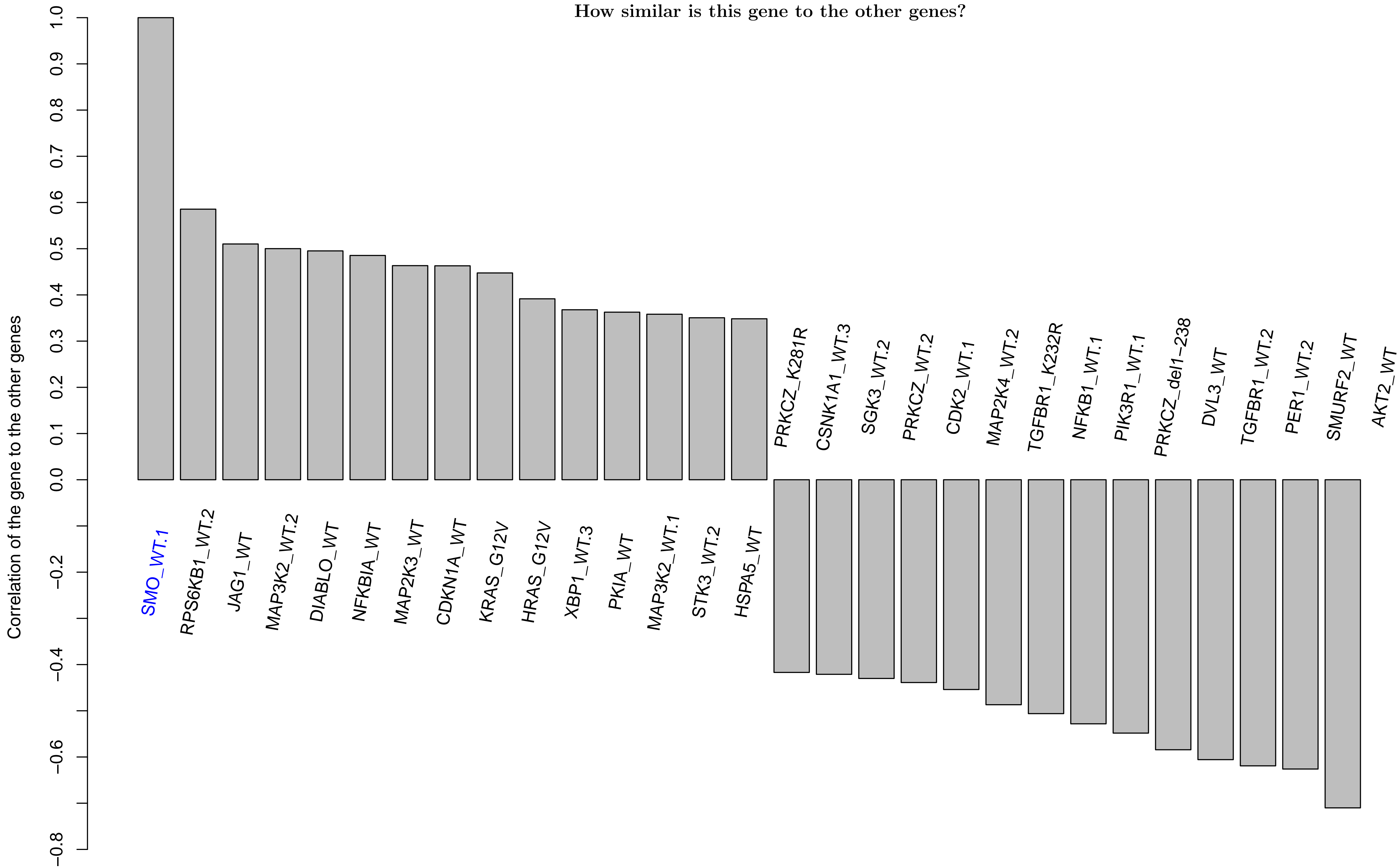
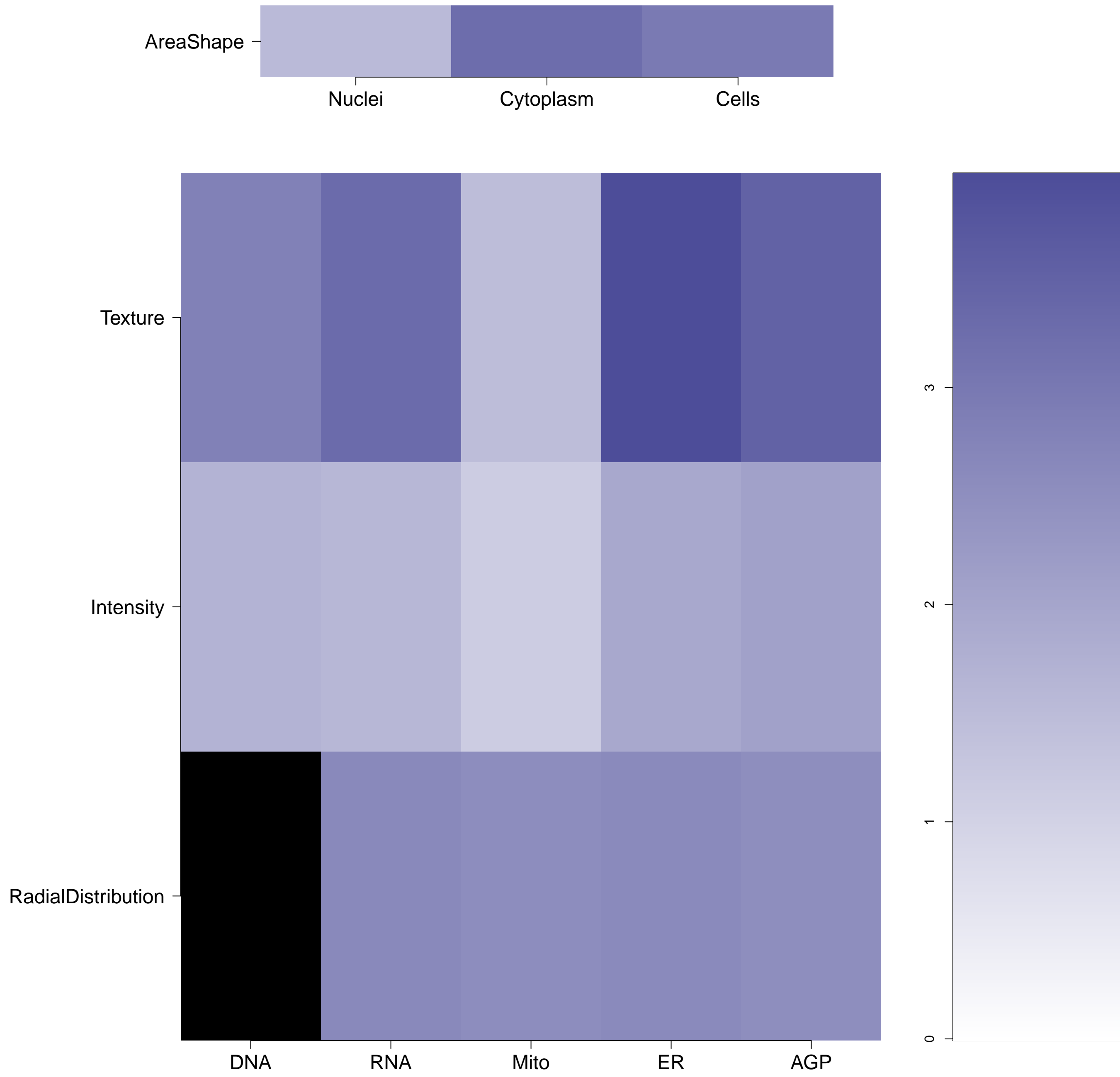


SMO.WT.1 - in Hedgehog

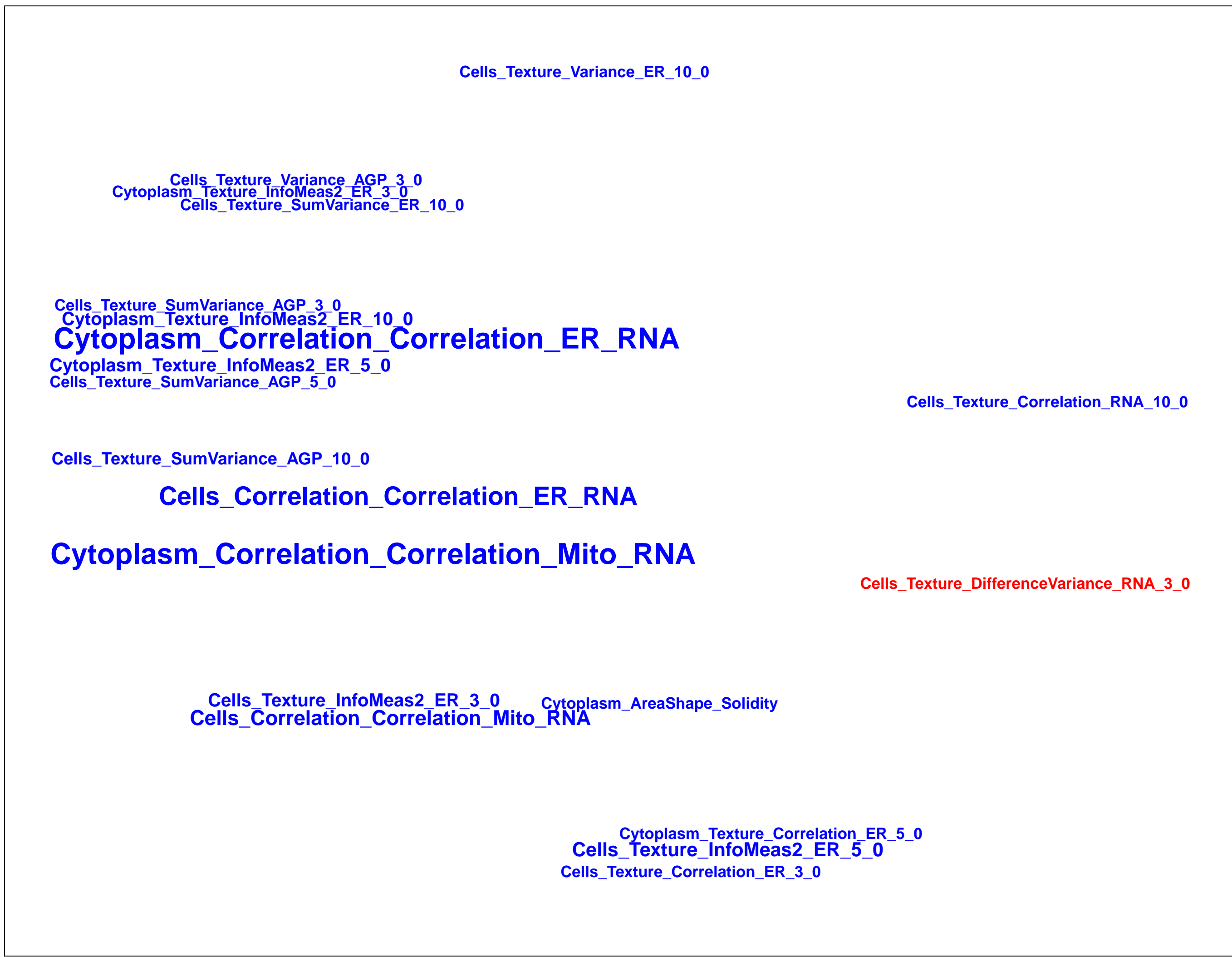
How similar is this gene to the other genes?



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

SMO.WT.1 (41744)

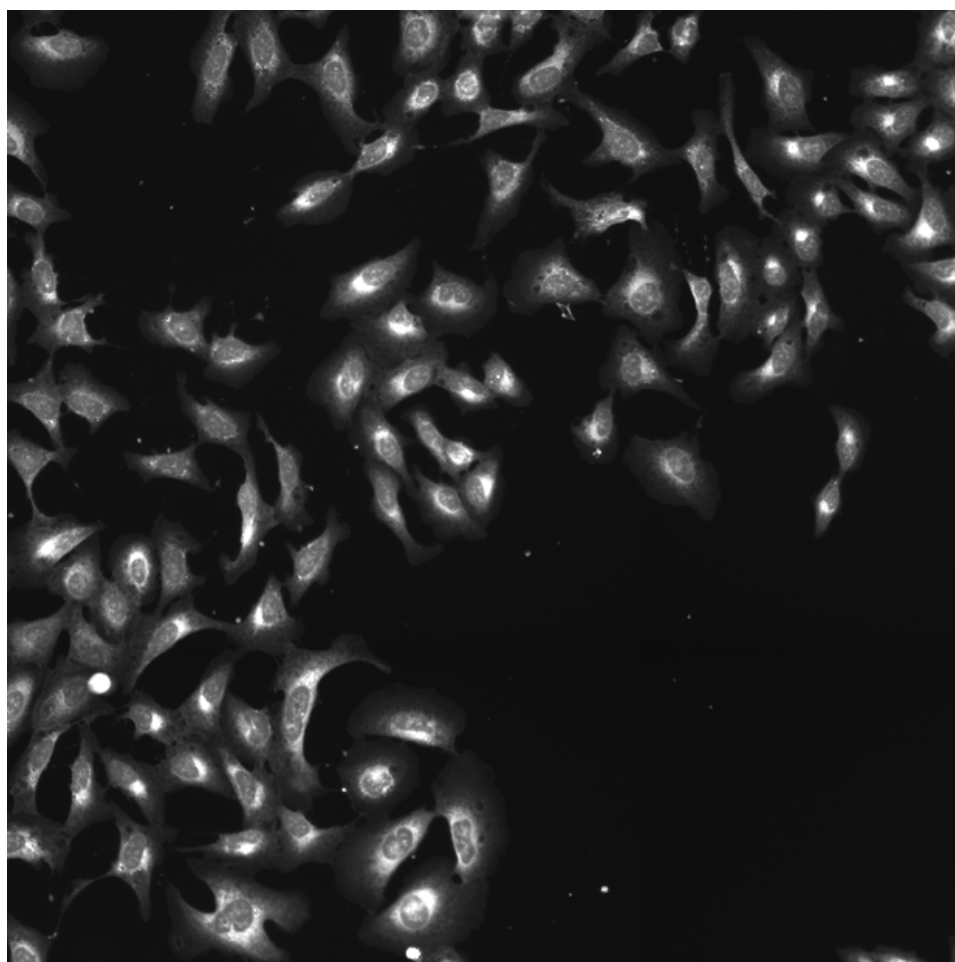
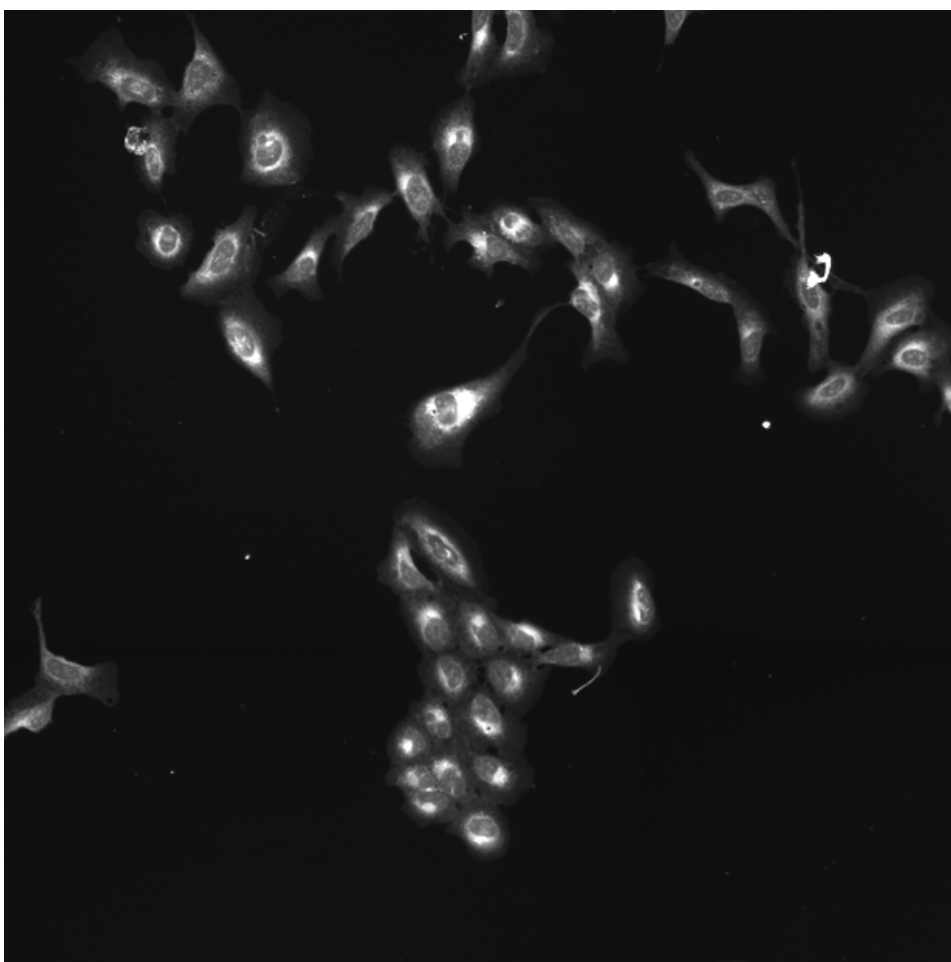
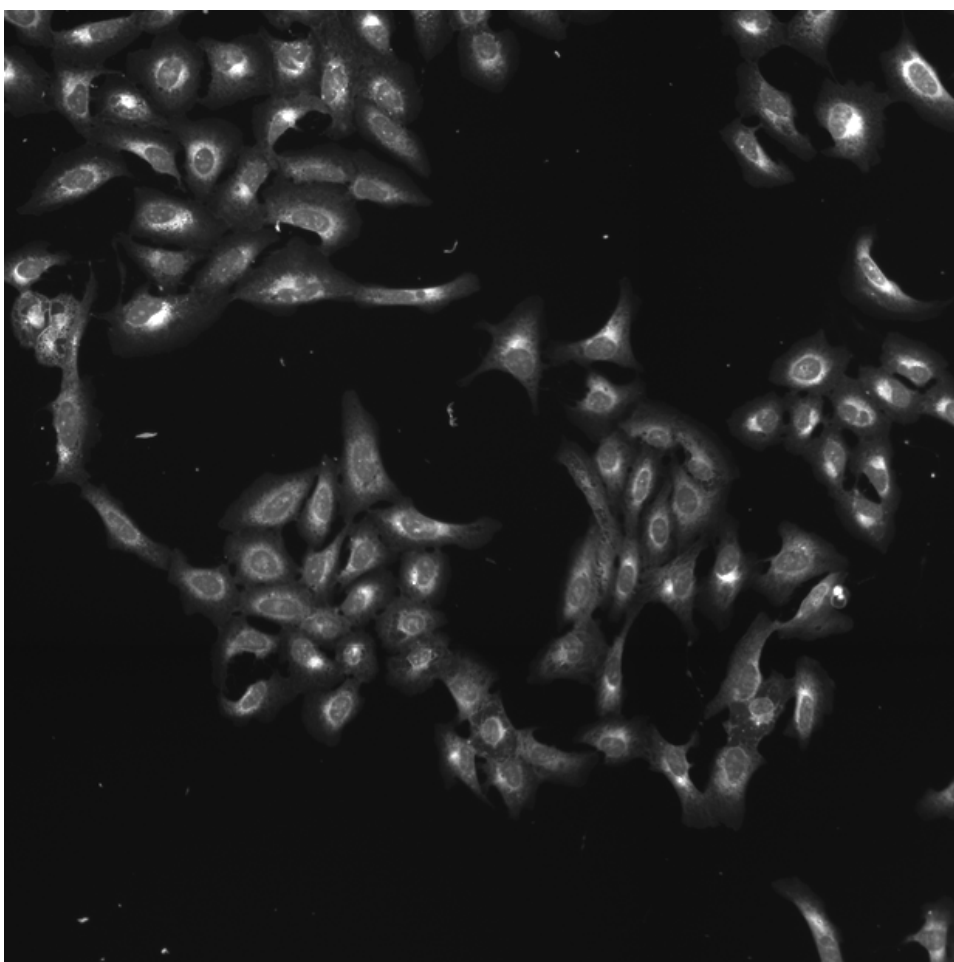
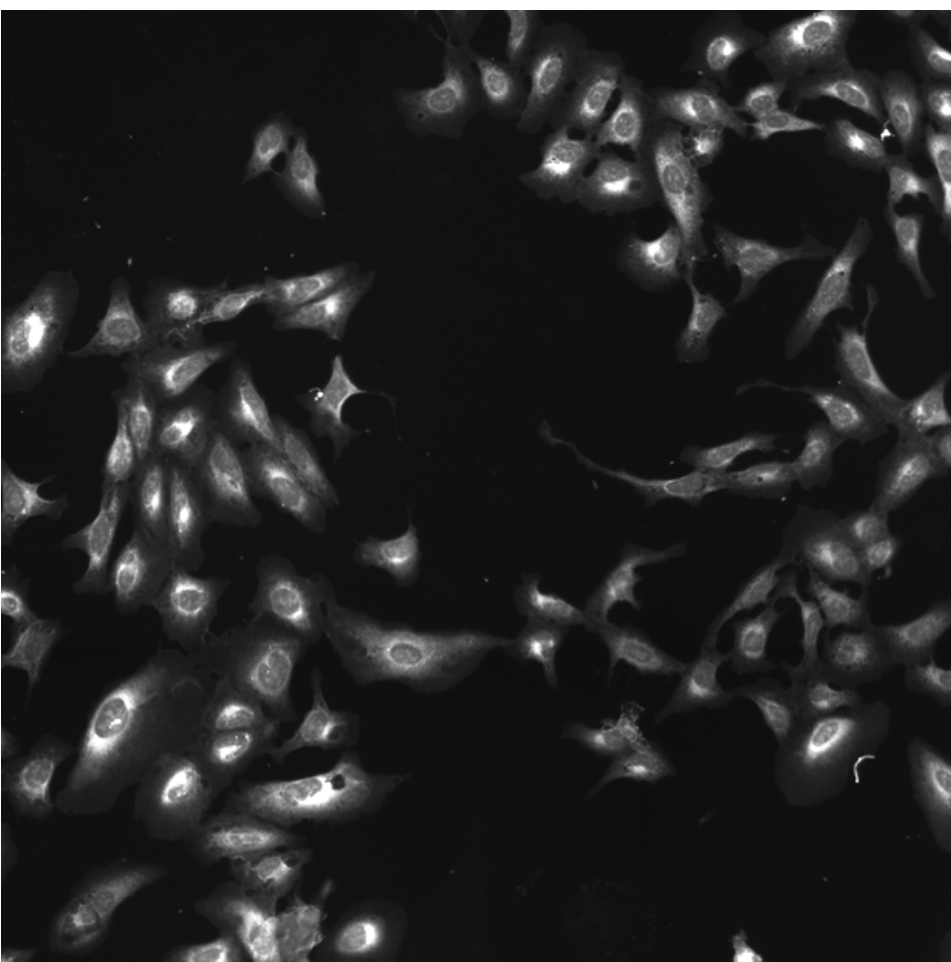
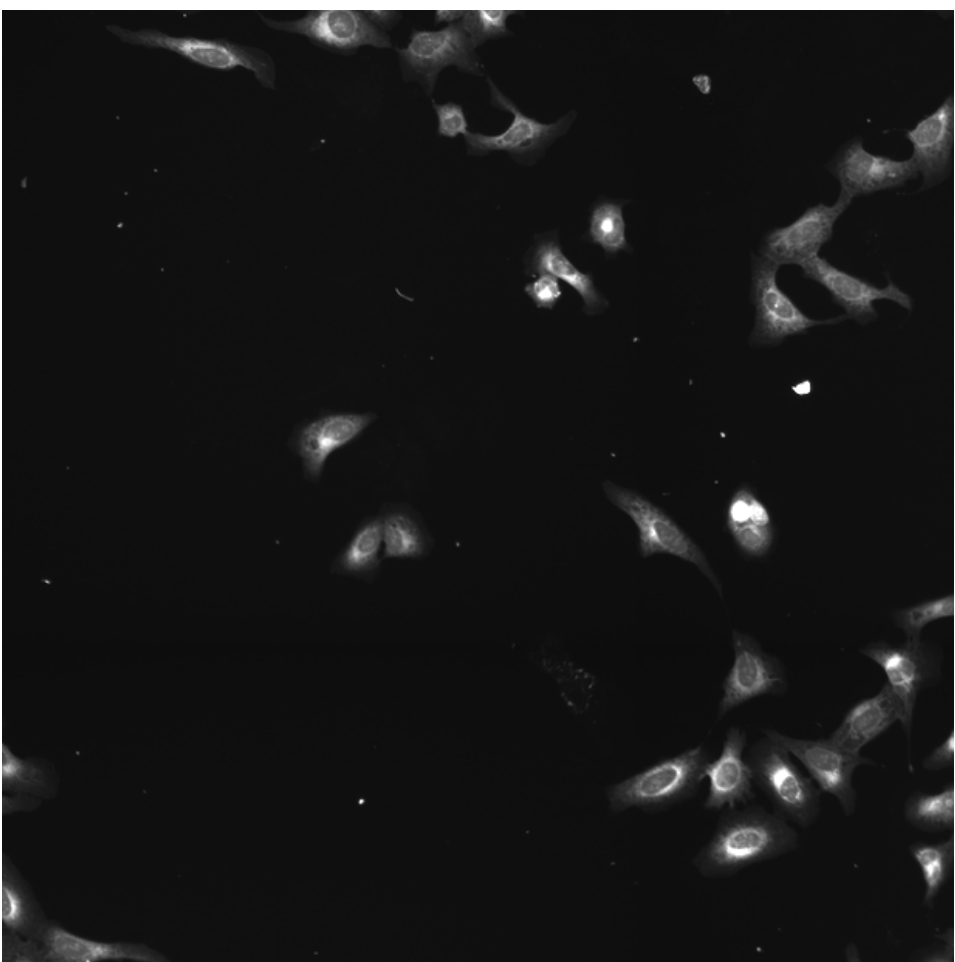
SMO.WT.1 (41755)

SMO.WT.1 (41756)

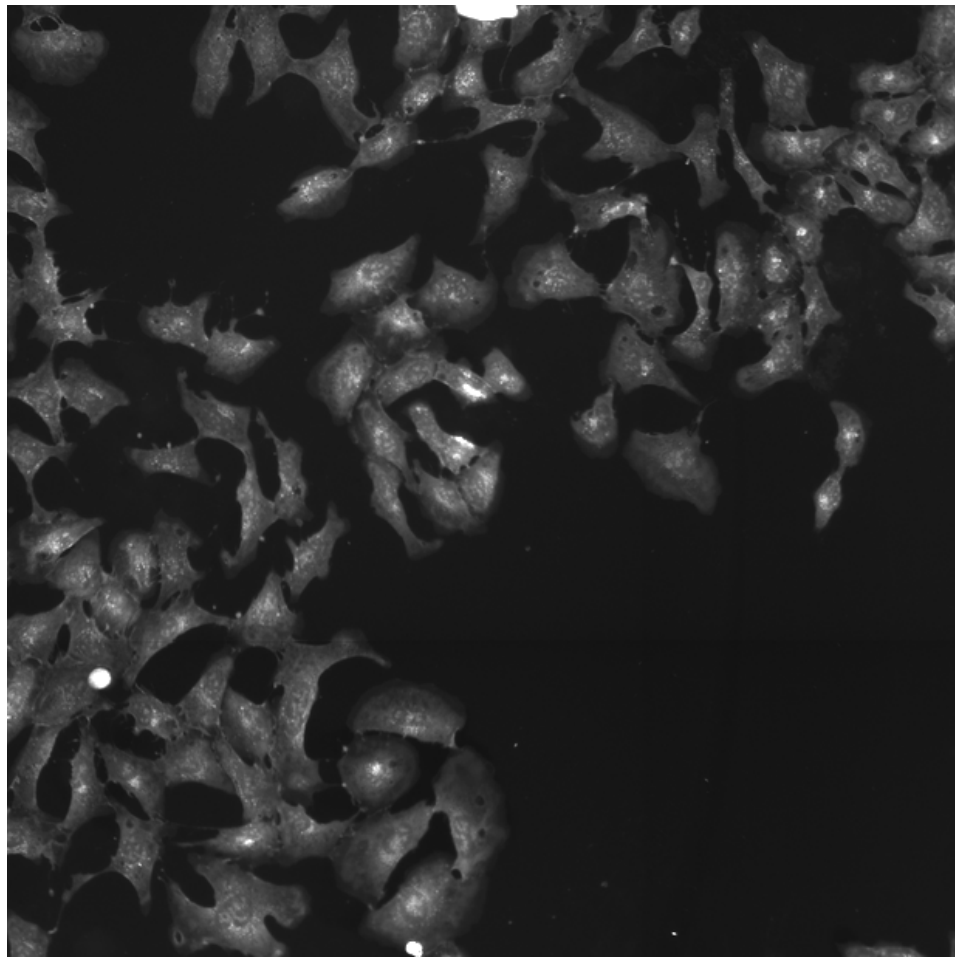
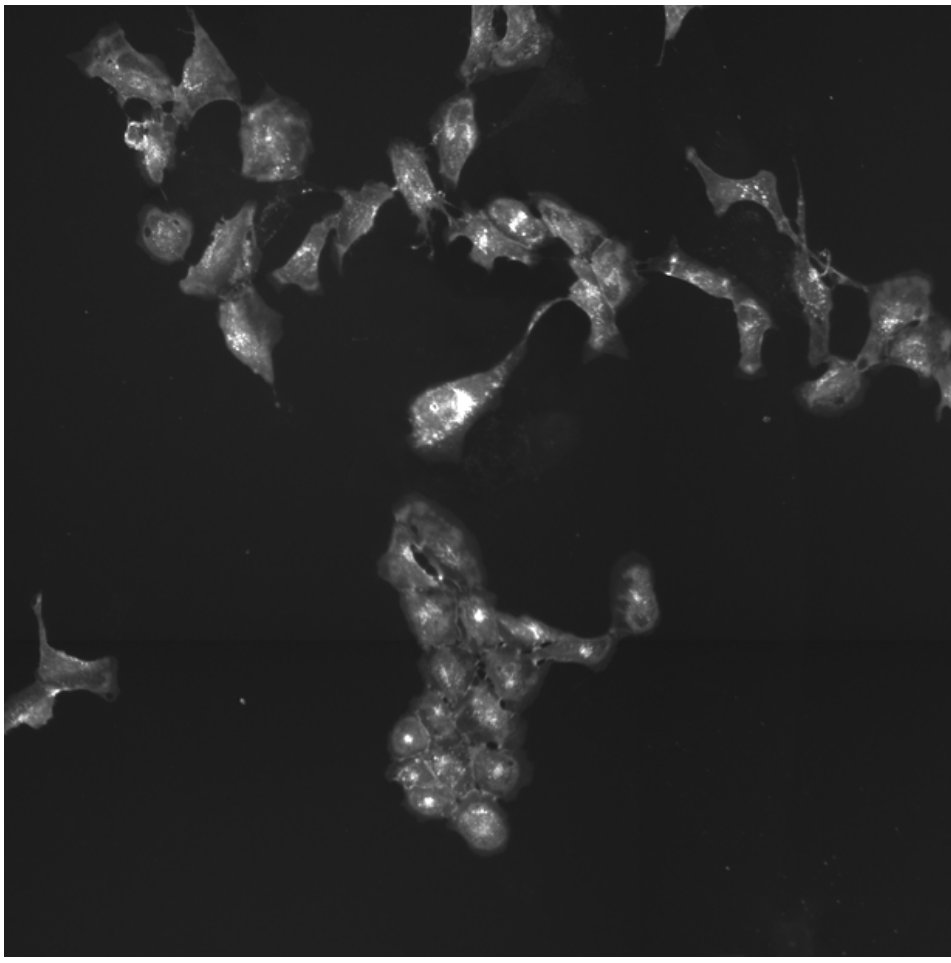
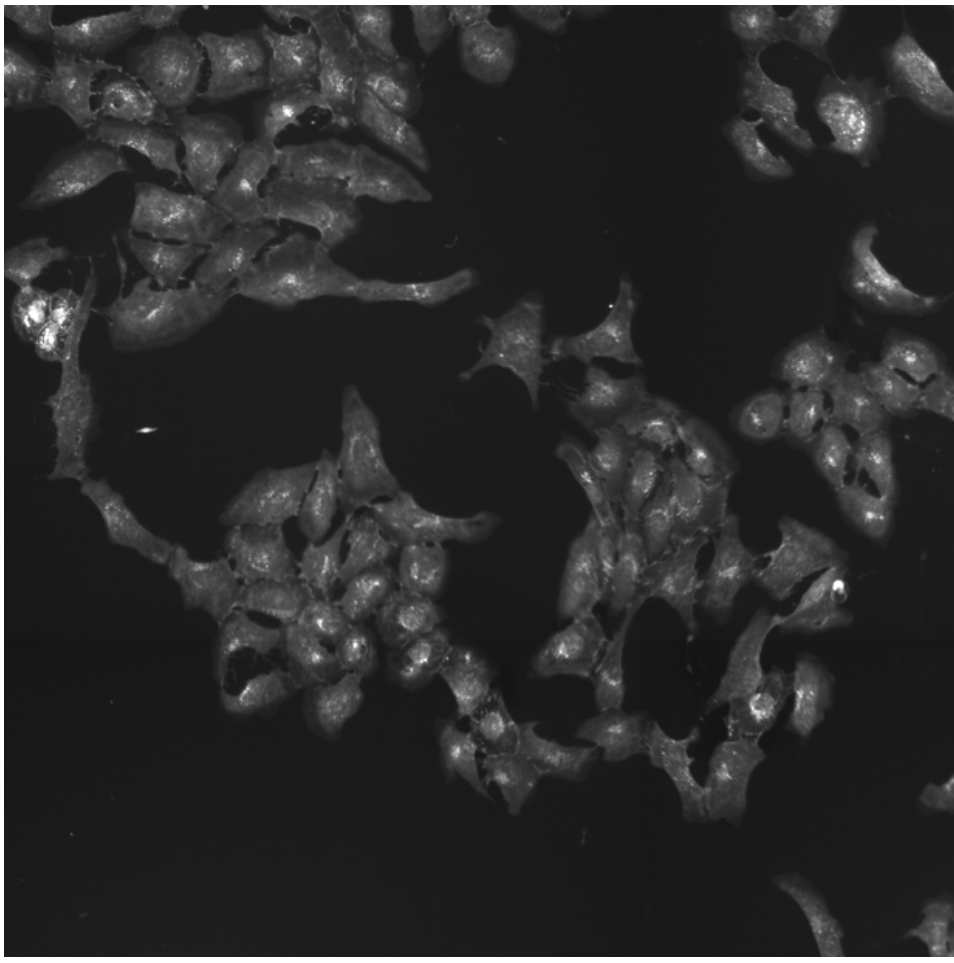
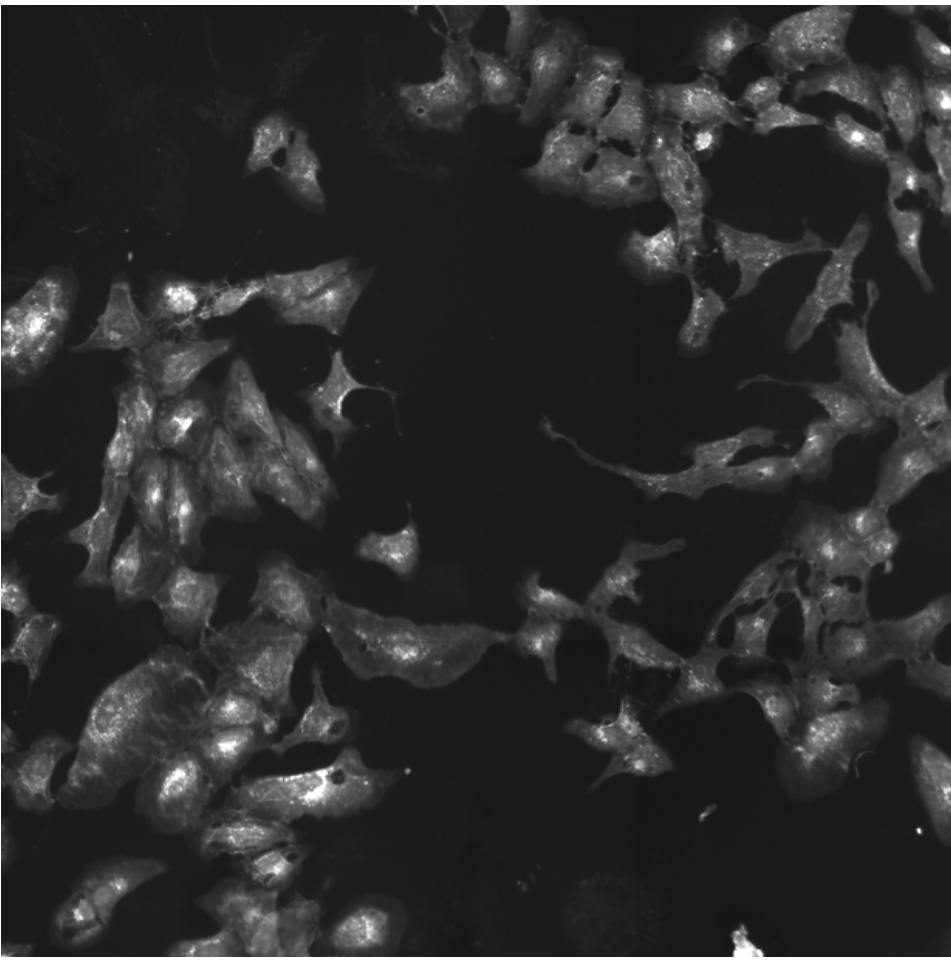
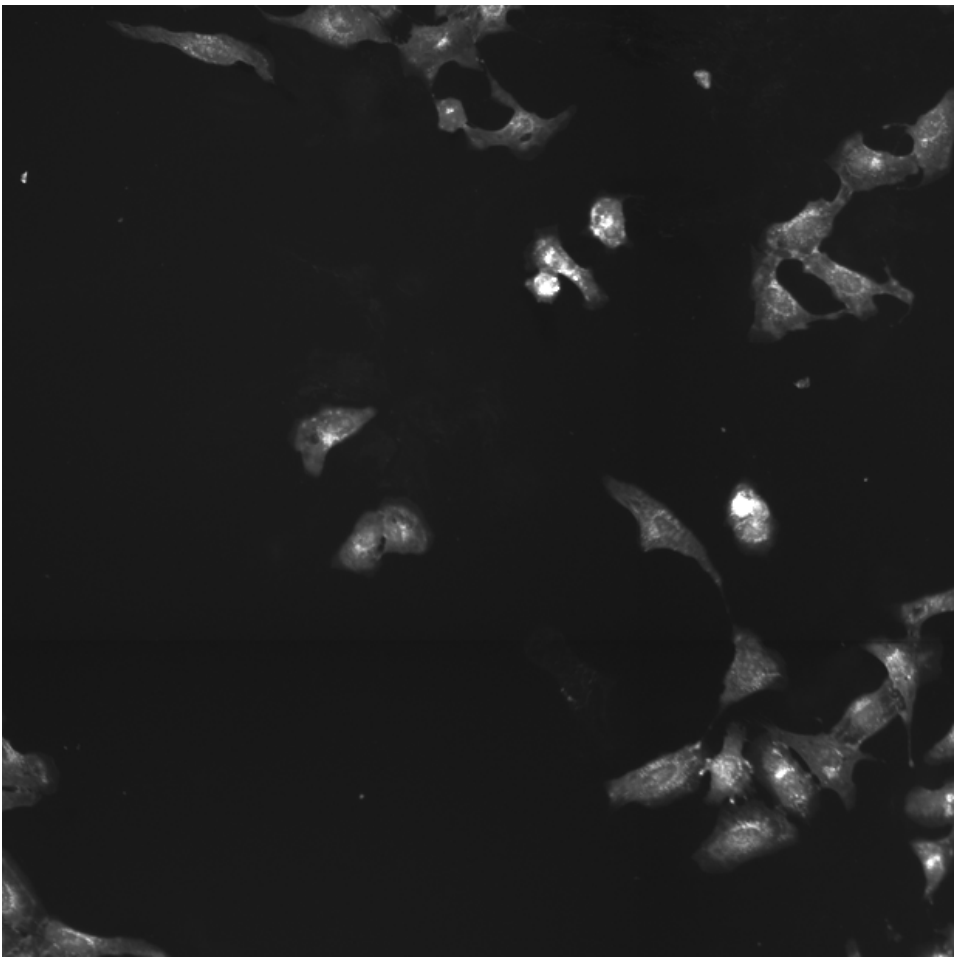
SMO.WT.1 (41757)

SMO.WT.1 (41754)

ER

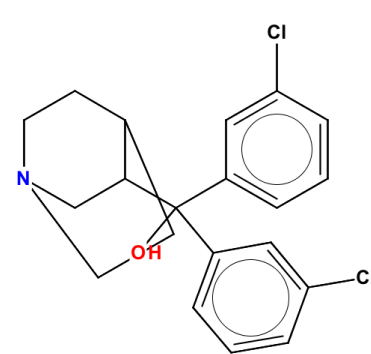


AGP



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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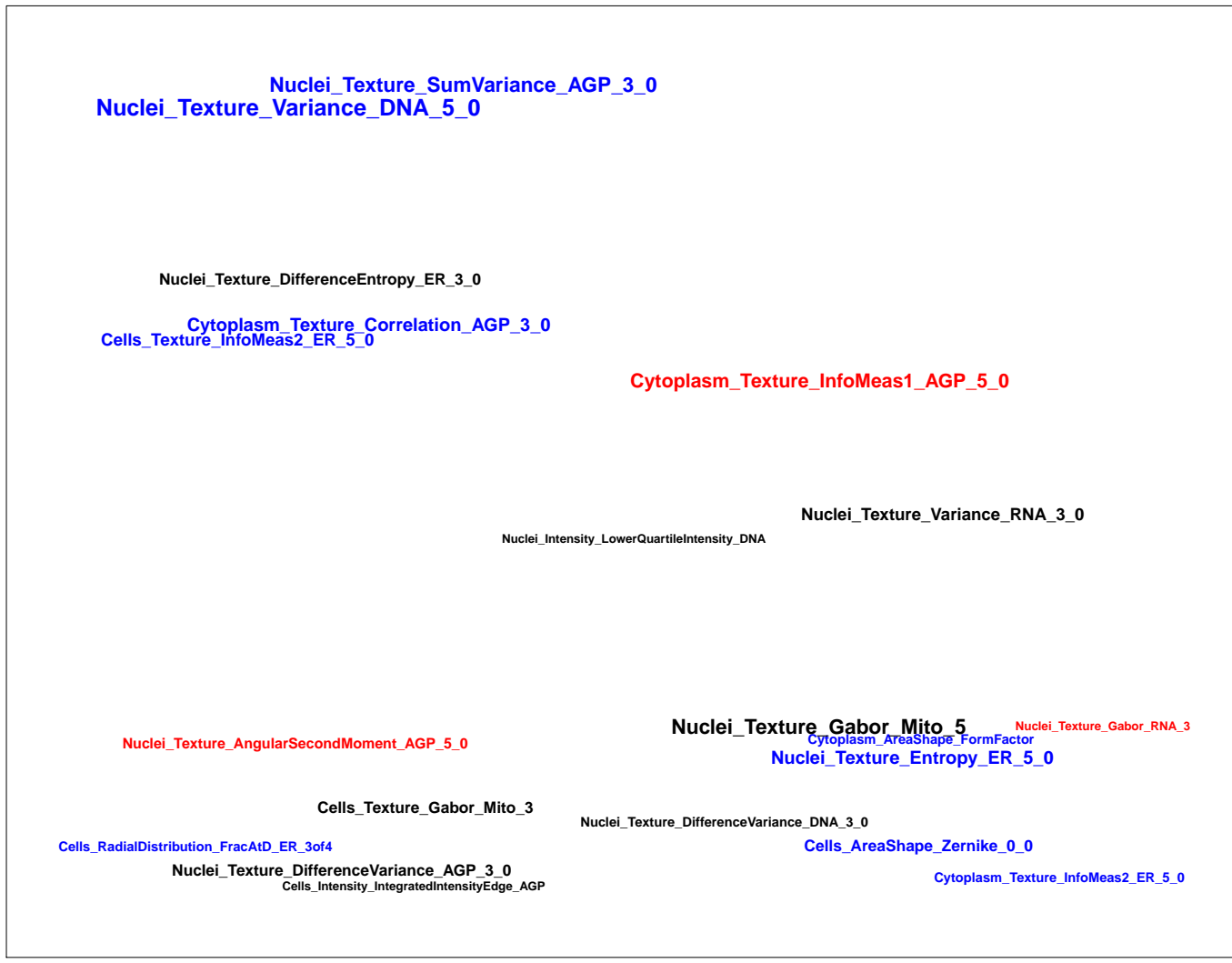
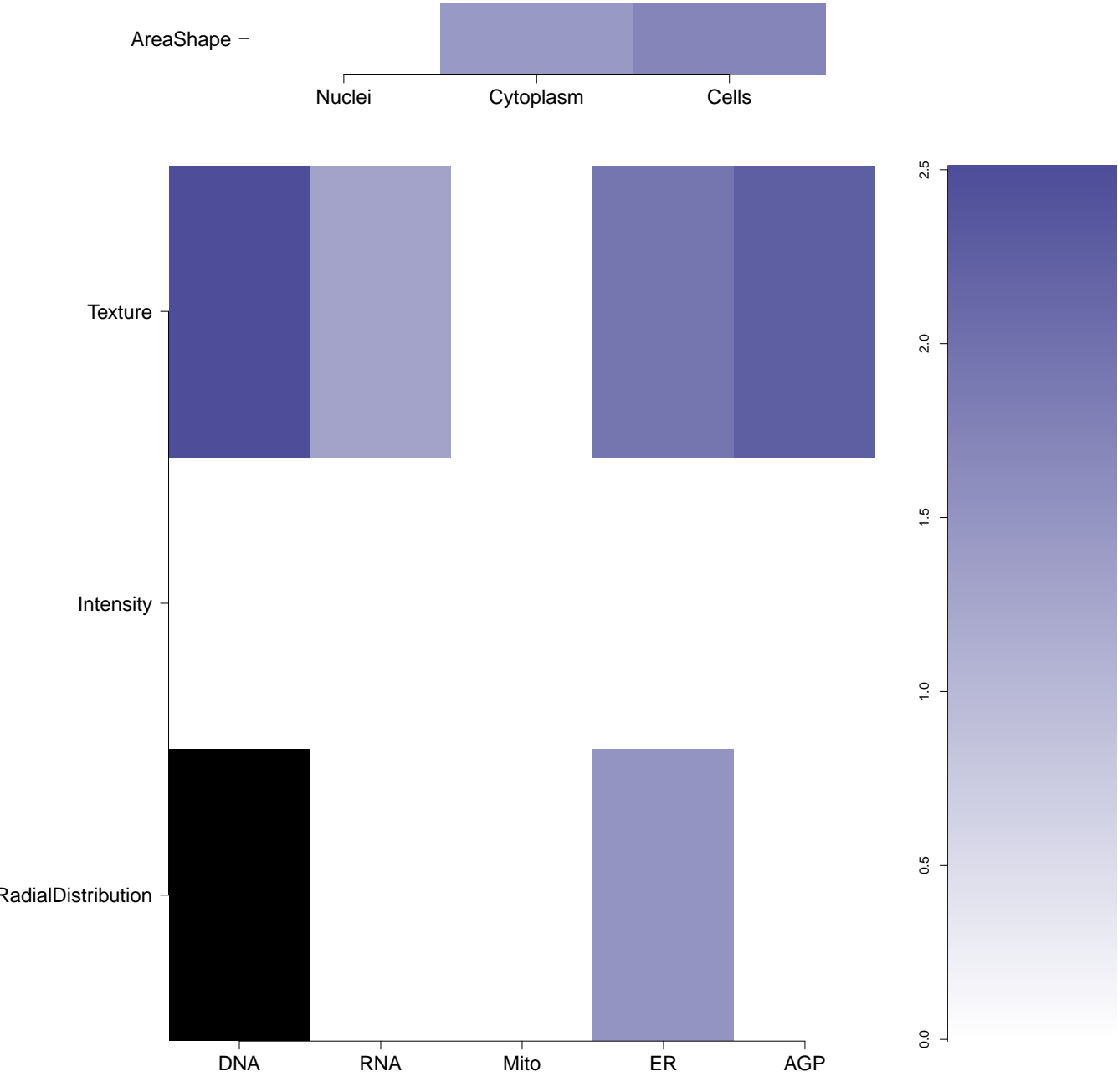
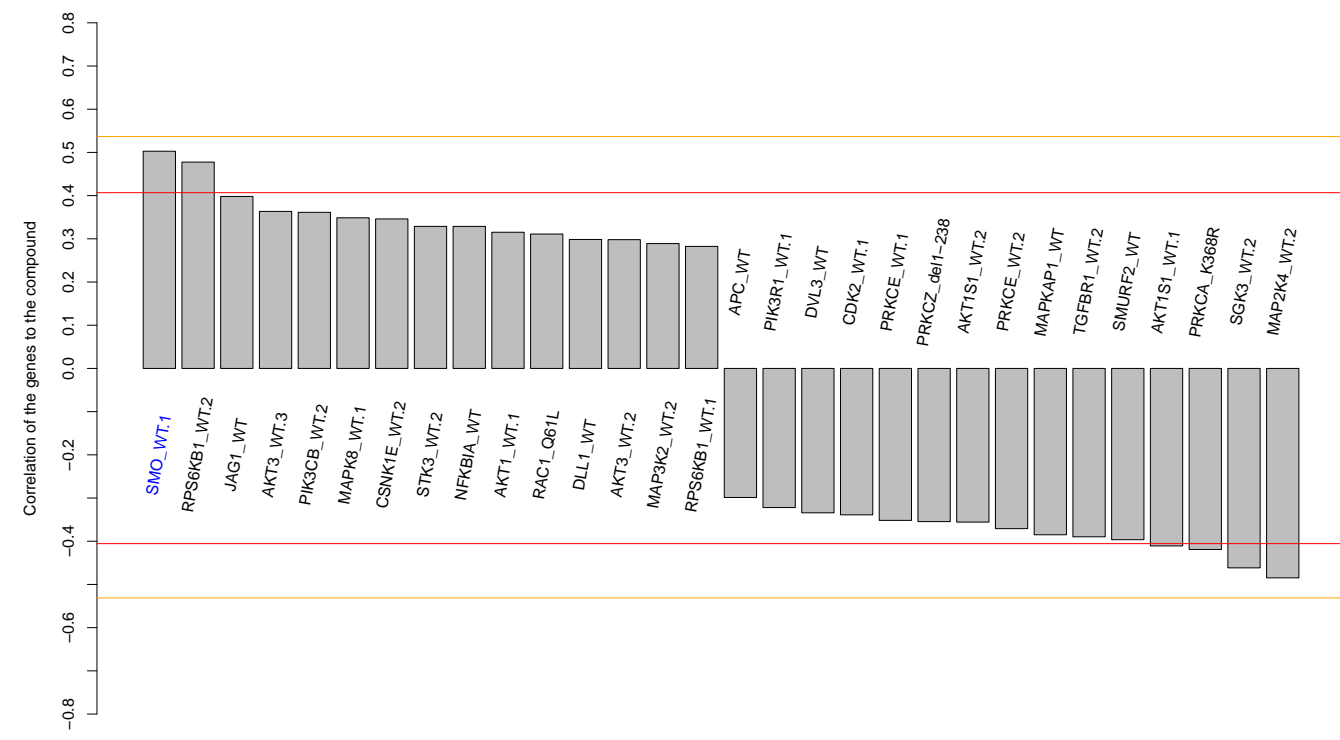
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PubChem CID : 16192715



0.60 (in 4 replicates)

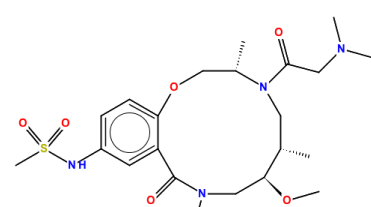
0.50

NA



- Total number of assays tested in: 631. Active in the following assays:
- Leishmania major promastigote HTS (AID 1063)
 - Primary cell-based high-throughput screening assay for identification of compounds that inhibit/block inward-rectifying potassium ion channel Kir2.1 (AID 1672)
 - Fluorescence-based primary cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1861)
 - High throughput discovery of novel modulators of ROMK K⁺ channel activity: Retest of Primary Hits (AID 1917)
 - High throughput discovery of novel modulators of ROMK K⁺ channel activity: Primary Screen (AID 1918)
 - Fluorescence-based confirmation cell-based high throughput screening assay to identify antagonists of the G-protein coupled receptor 7 (GPR7). (AID 1952)
 - Fluorescence-based counterscreen for antagonists of the G-protein coupled receptor 7 (GPR7): cell-based high throughput screening assay to identify antagonists of the melanin-concentrating hormone receptor 1 (MCHR1). (AID 2148)
 - VP16 counterscreen qHTS for inhibitors of BOR gamma transcriptional activity (AID 2546)
 - qHTS for inhibitors of BOR gamma transcriptional activity (AID 2551)
 - High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553)
 - Primary cell-based high-throughput screening assay for identification of compounds that potentiate/activate regulator of G-protein signaling 4 (RGS4) (AID 463111)
 - uHTS for identification of Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 485346)
 - Specificity screen against TRPC4 for compounds that modulate transient receptor potential cation channel C6 (TRPC6) (AID 488927)
 - Confirmatory screen for identification of compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 488960)
 - Single concentration confirmation of uHTS for Inhibitors of Mdm2/MdmX interaction in luminescent format. (AID 489028)
 - HTS for Beta-2AR agonists via FAP method (AID 504454)
 - Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Full-Length Luciferase Counterscreen assay (AID 504607)
 - Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652)
 - Allosteric Agonists of the Human D1 Dopamine Receptor: qHTS (AID 504660)
 - Single concentration confirmation of inhibitors of Mdm2/MdmX interaction using a Brcal/Bard1 BiLC Counterscreen assay. (AID 504668)
 - HTS Assay for Peg3 Promoter Inhibitors (AID 588405)
 - Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human M1 muscarinic receptor (CHRM1) (AID 588852)
 - Validation assay for identification of compounds that activate the regulator of G-protein signaling 4 (RGS4) (AID 602282)
 - Counter screen for identification of compounds that activate the regulator of G-protein signaling 4 (RGS4): Non-induced cells with the primary screen assay (AID 602283)
 - uHTS identification of modulators of interaction between CendR and NRP-1 using Fluorescence Polarization assay (AID 602438)
 - uHTS identification of small molecule inhibitors of the mitochondrial permeability transition pore via an absorbance assay (AID 602449)
 - Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human cholinergic receptor, muscarinic 5 (CHRM5) (AID 624040)
 - Fluorescence-based cell-based primary high throughput screening assay to identify antagonists of the human cholinergic receptor, muscarinic 4 (CHRM4) (AID 624125)
 - qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417)
 - qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
 - qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-NT fibrosarcoma cell line (AID 686970)
 - qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-IDH1KD cell line (AID 686971)
 - 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)
 - qHTS for Inhibitors of KCHN2 3.1: Mutant qHTS (AID 720553)
 - qHTS for Inhibitors of Inflammasome Signaling: IL-1-beta AlphaLISA Primary Screen (AID 743279)

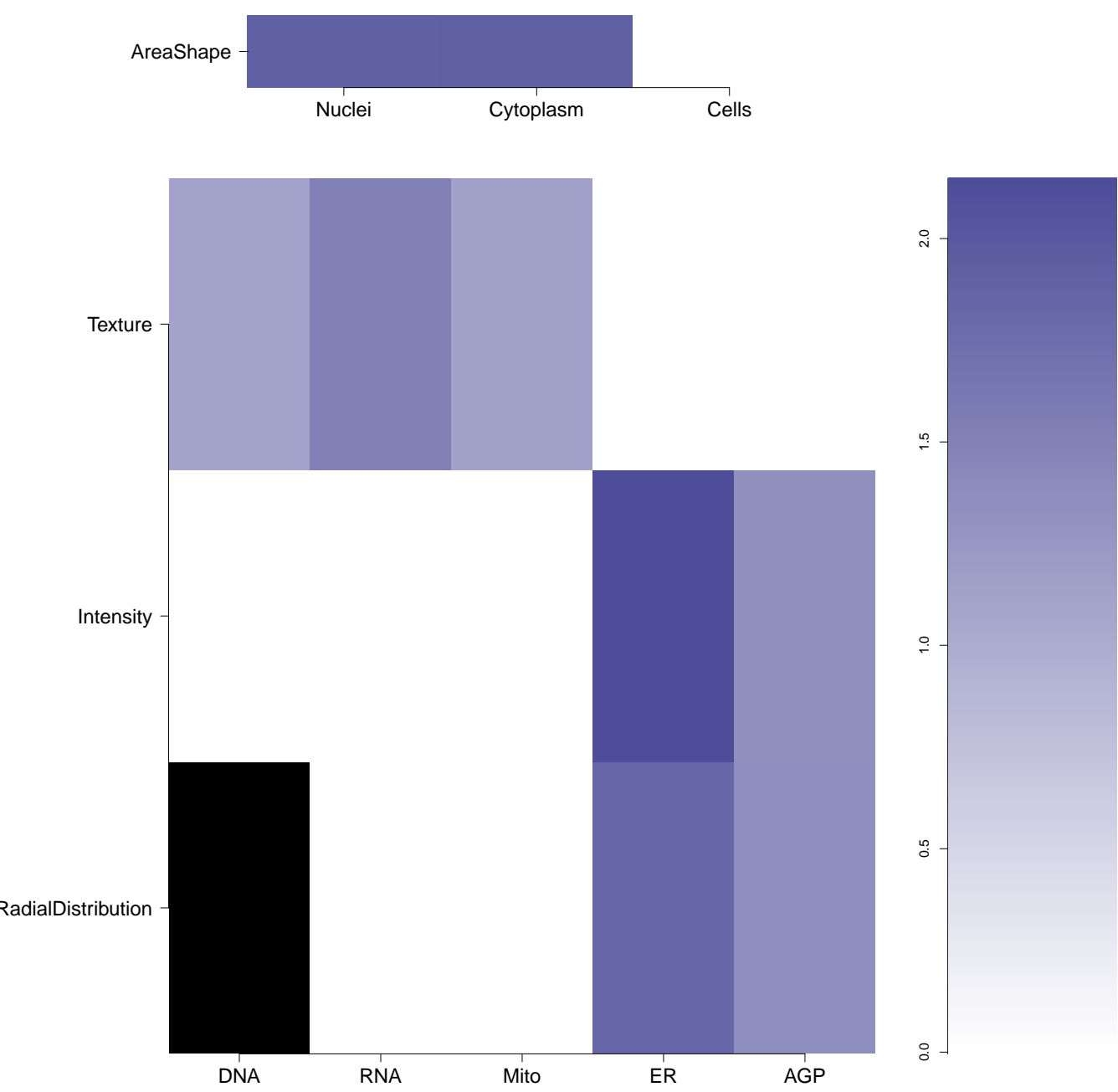
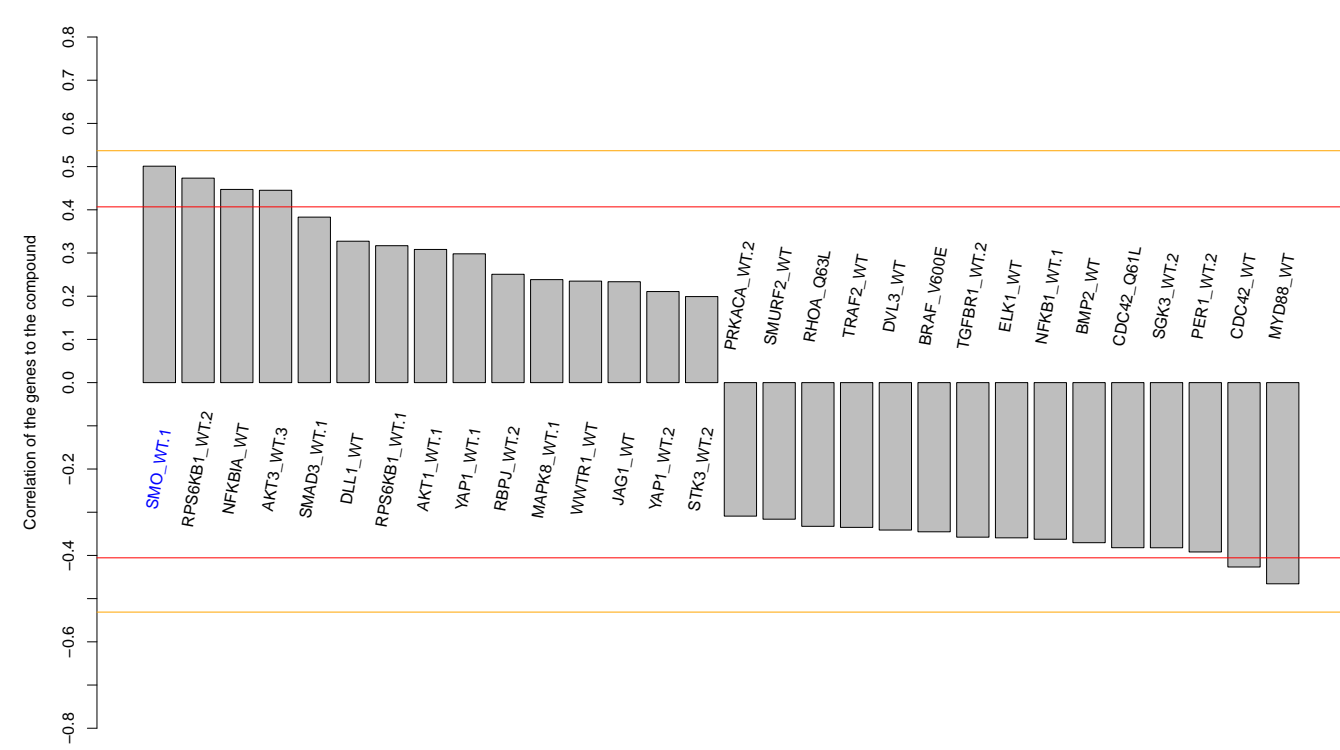
BRD-K56426074-001-01-4
PubChem CID : 54633236



0.64 (in 4 replicates)

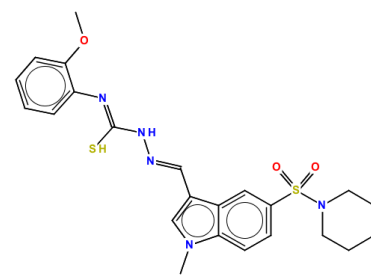
0.50

0.660



- Total number of assays tested in: 37. Active in the following assays:
- DENV2 CPE-Based HTS Measured in Cell-Based and Microorganism Combination System Using Plate Reader 2104-01 Other.SinglePoint.HTS-Activity (AID 651640)

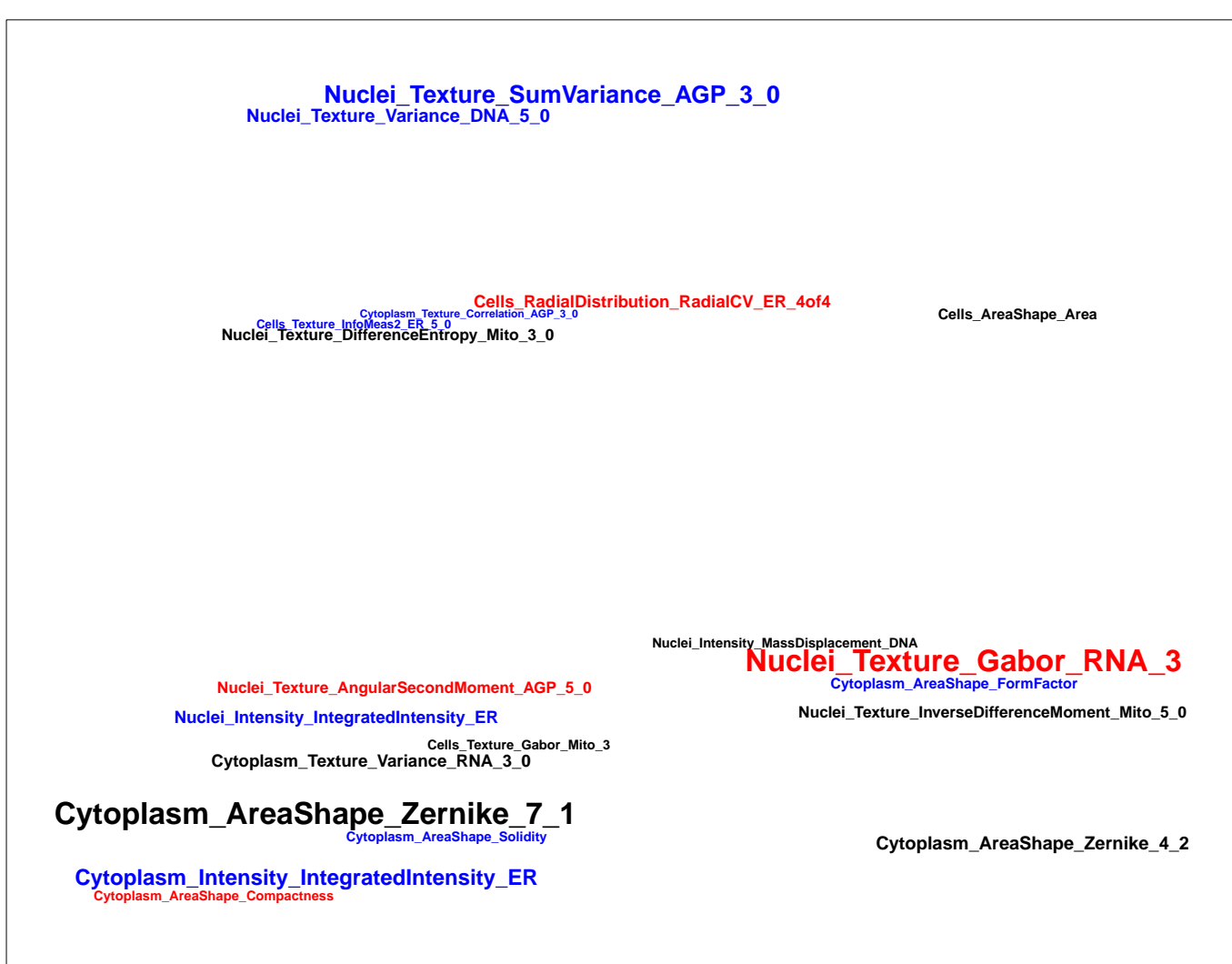
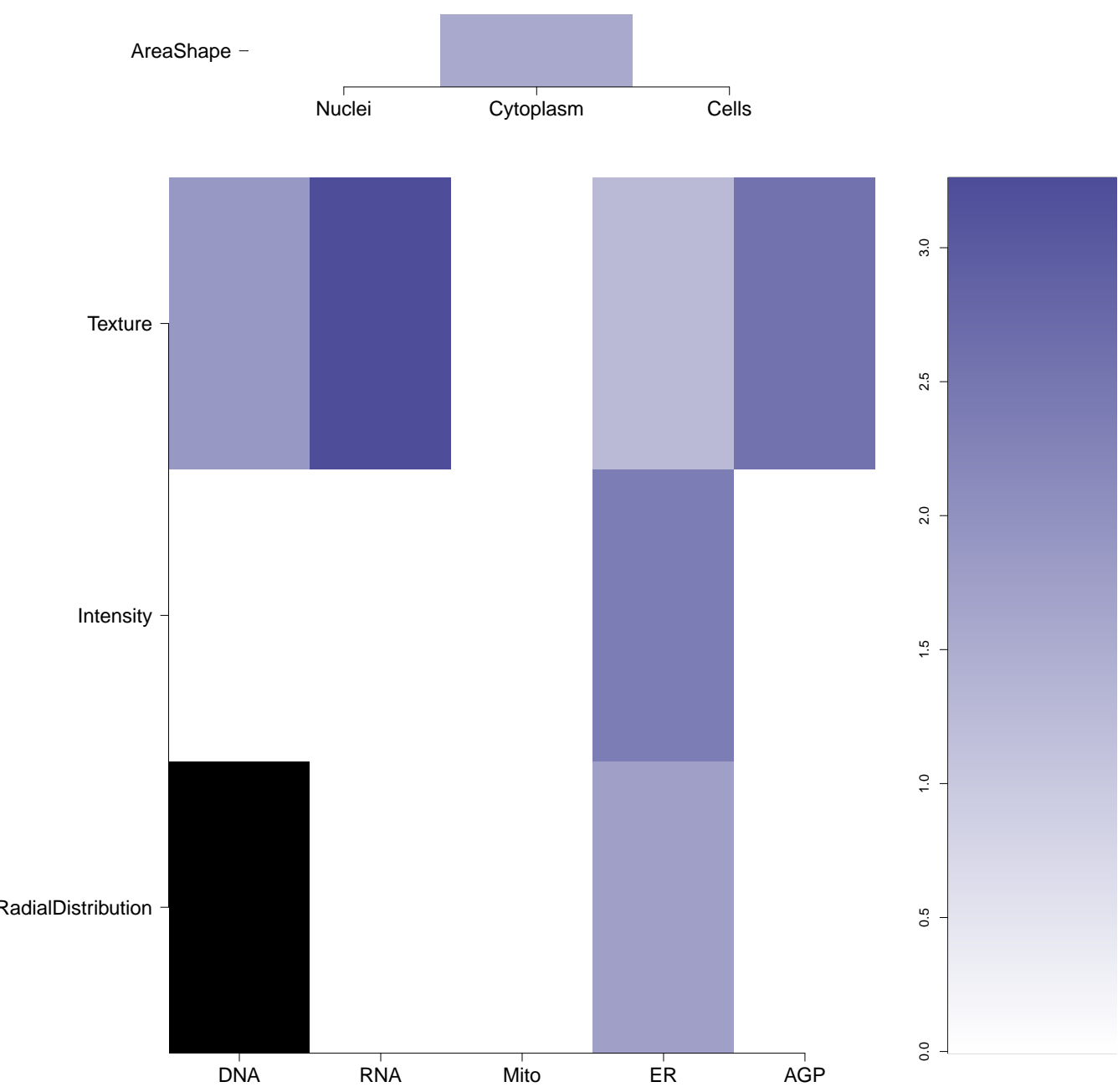
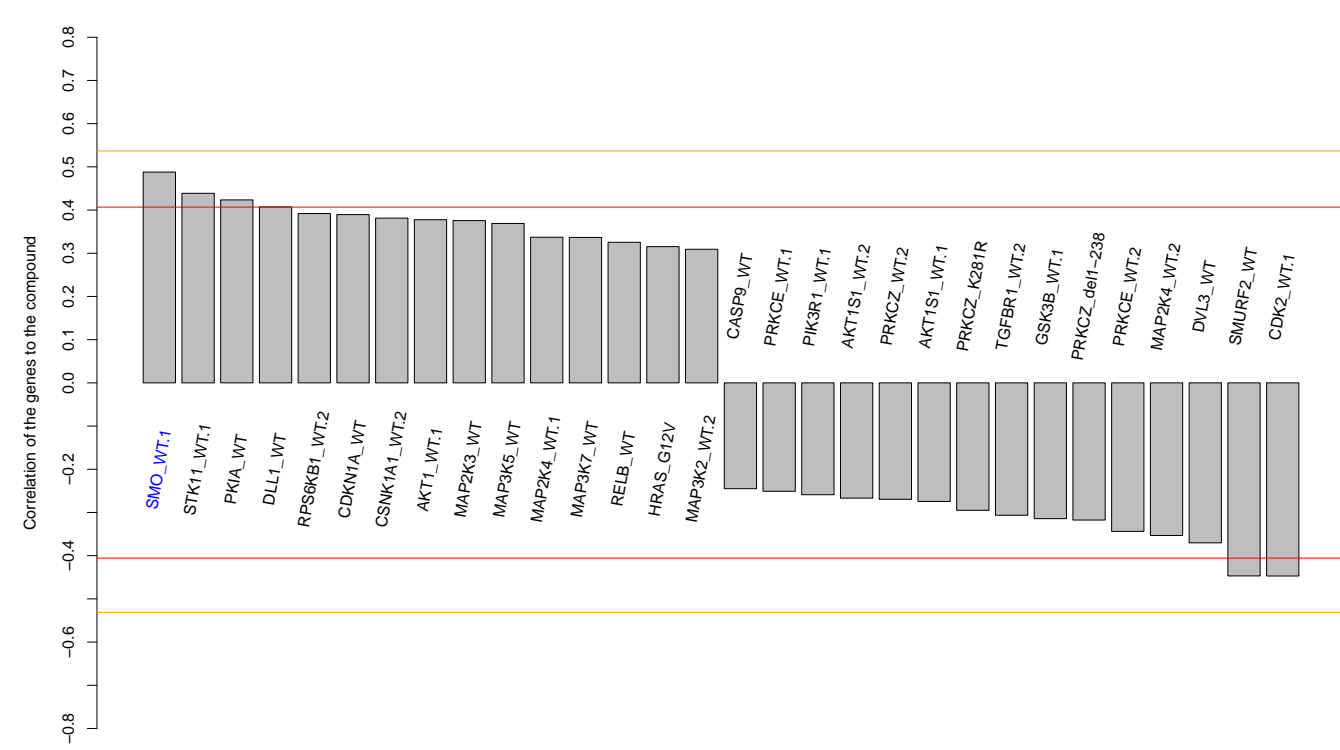
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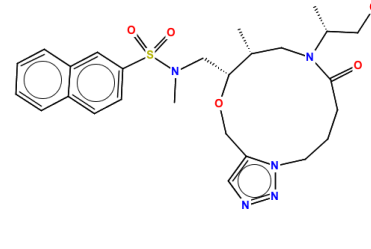
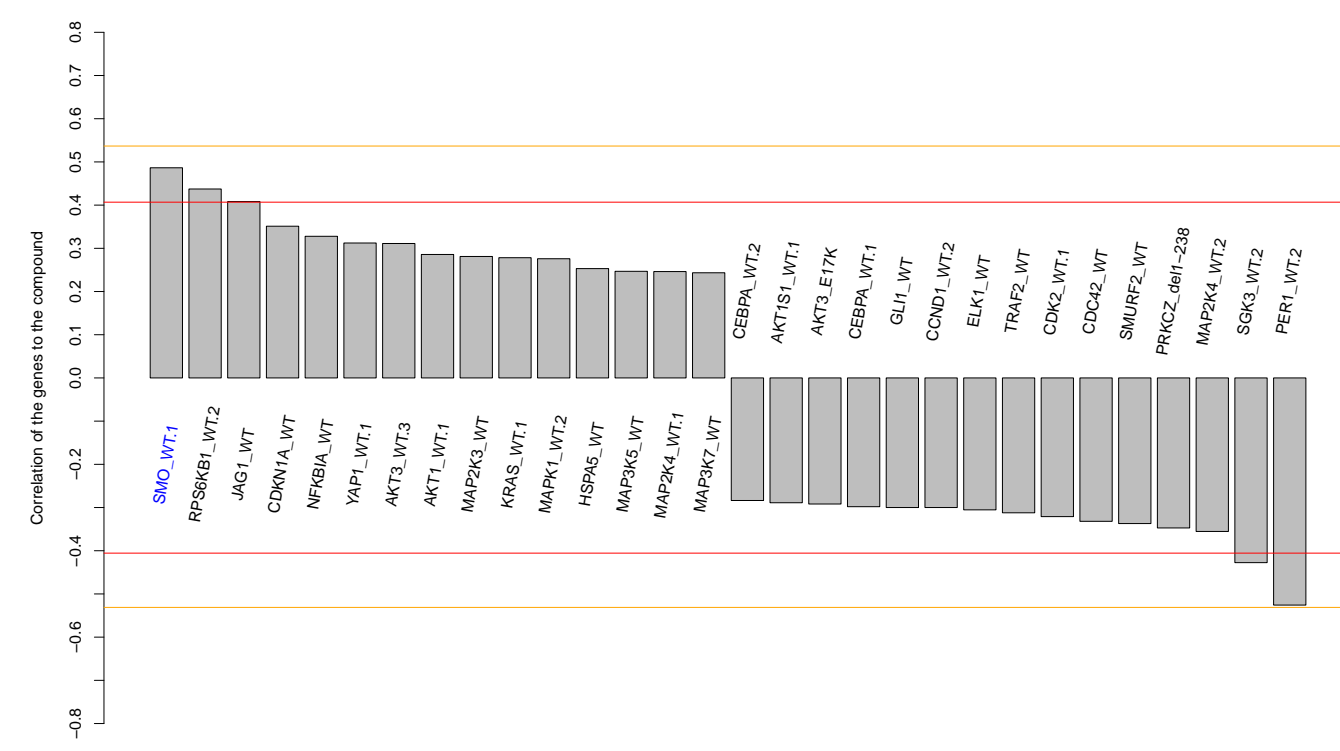
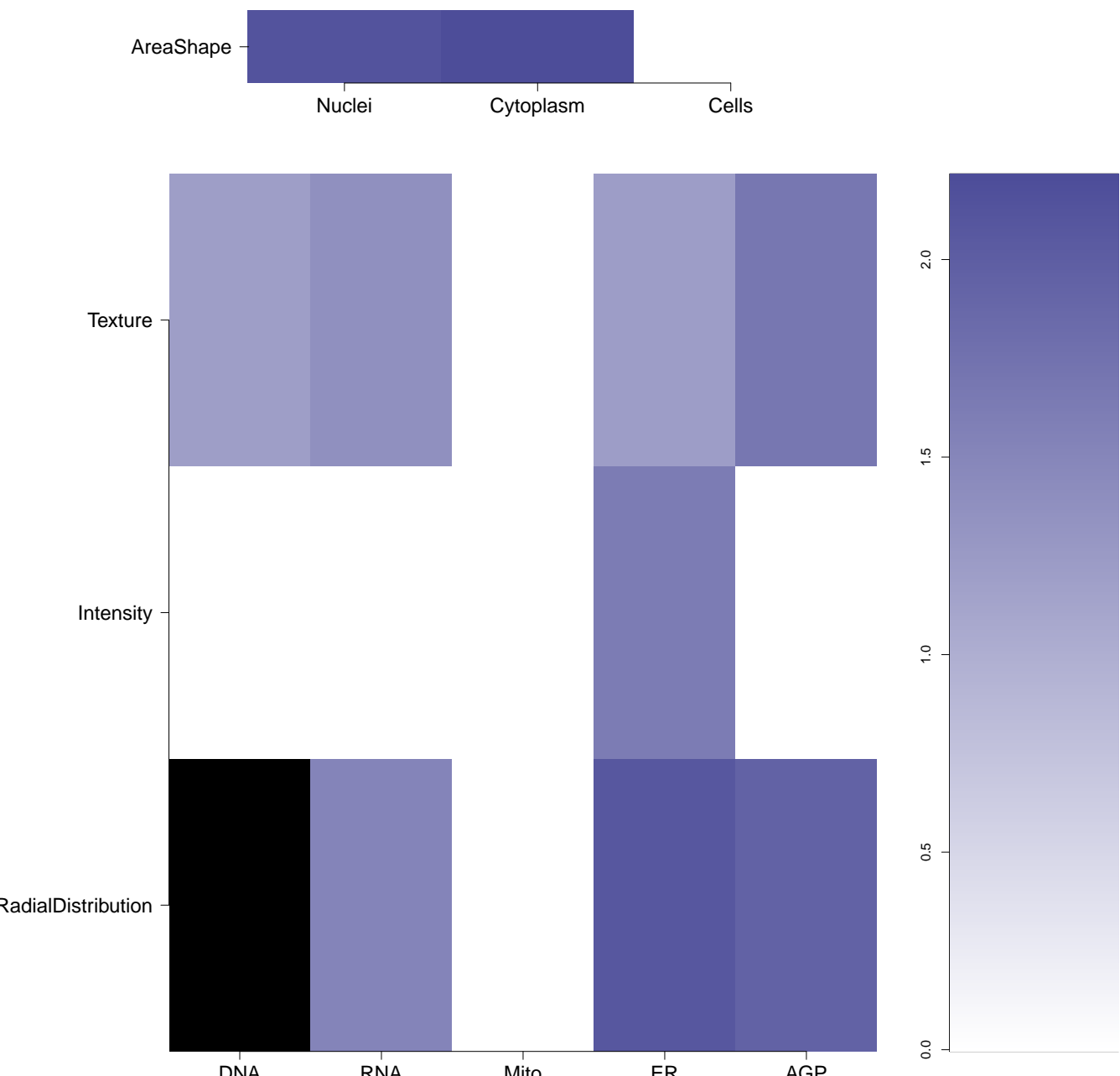
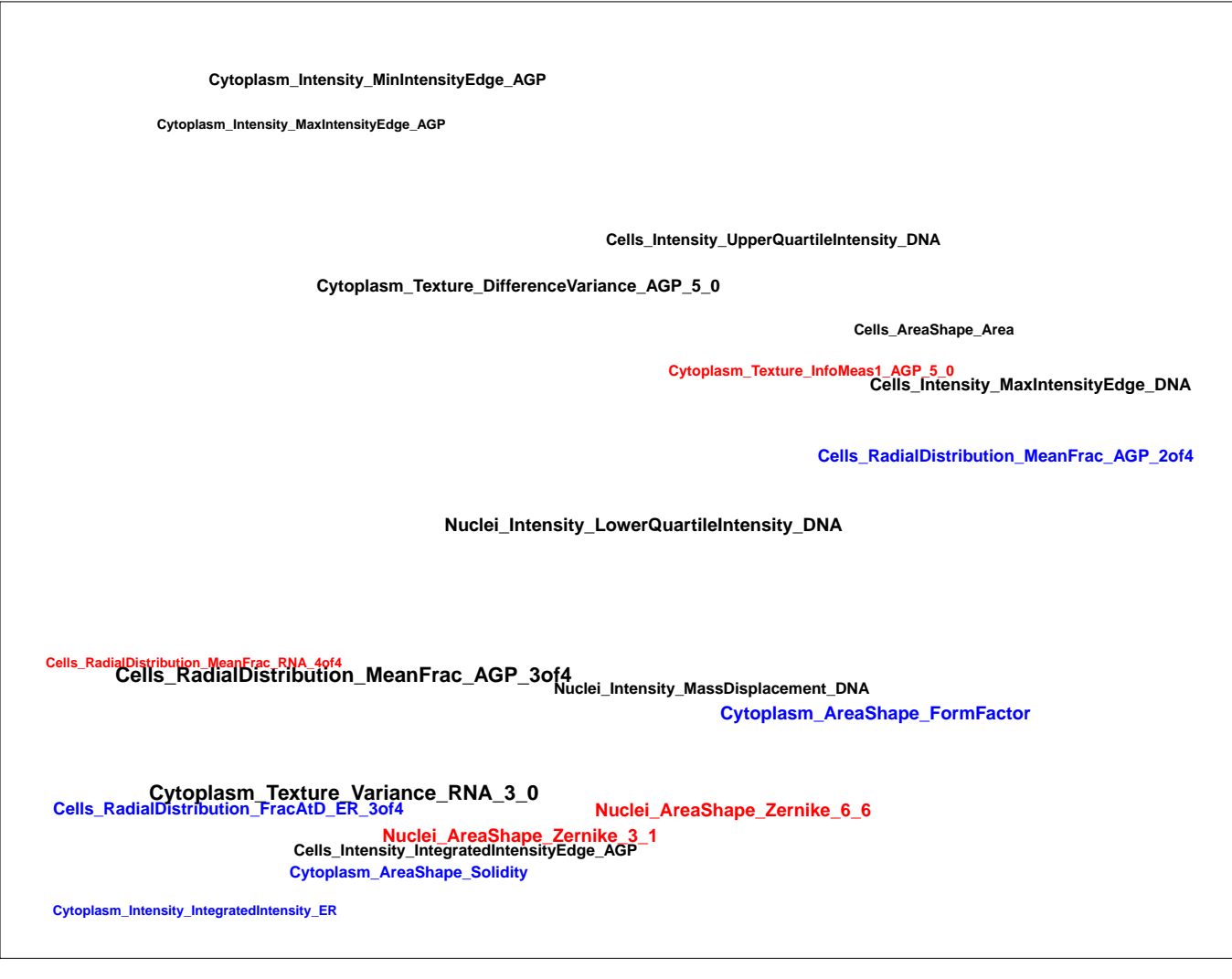
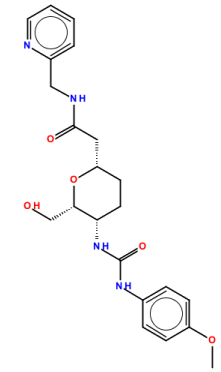
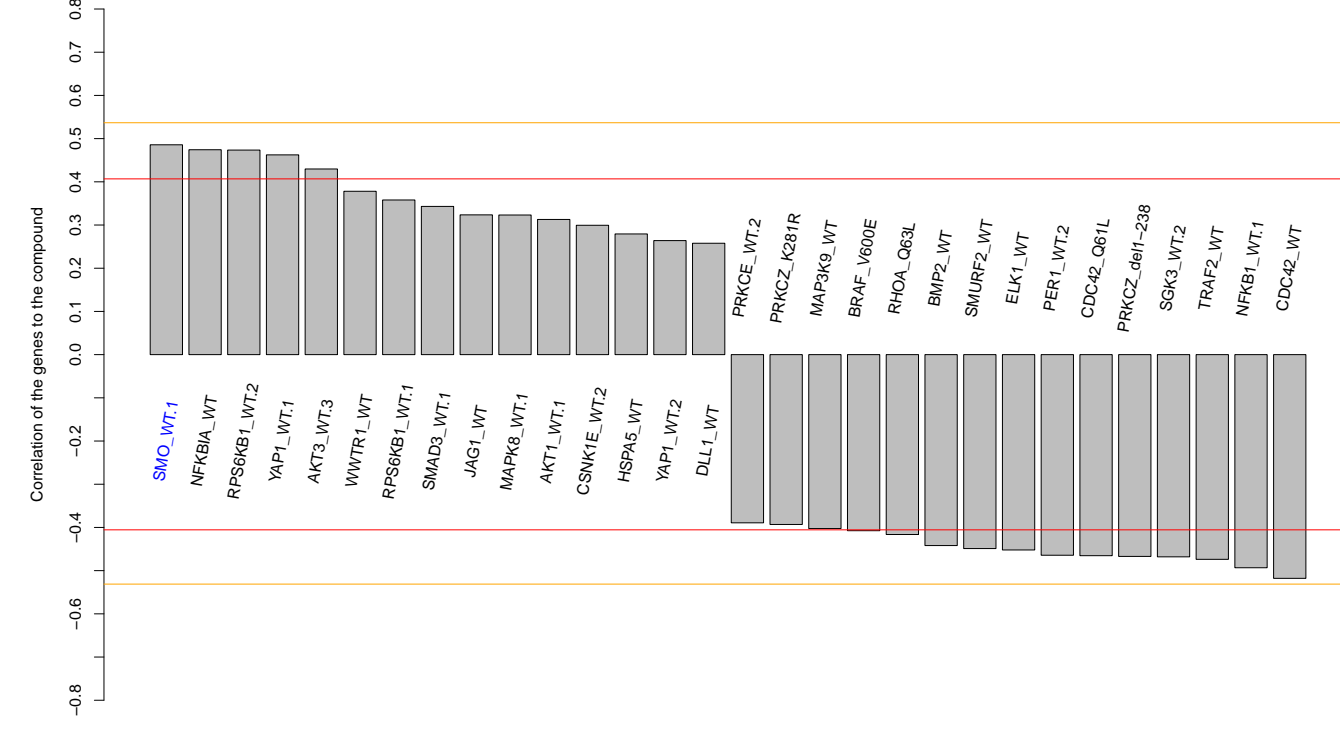
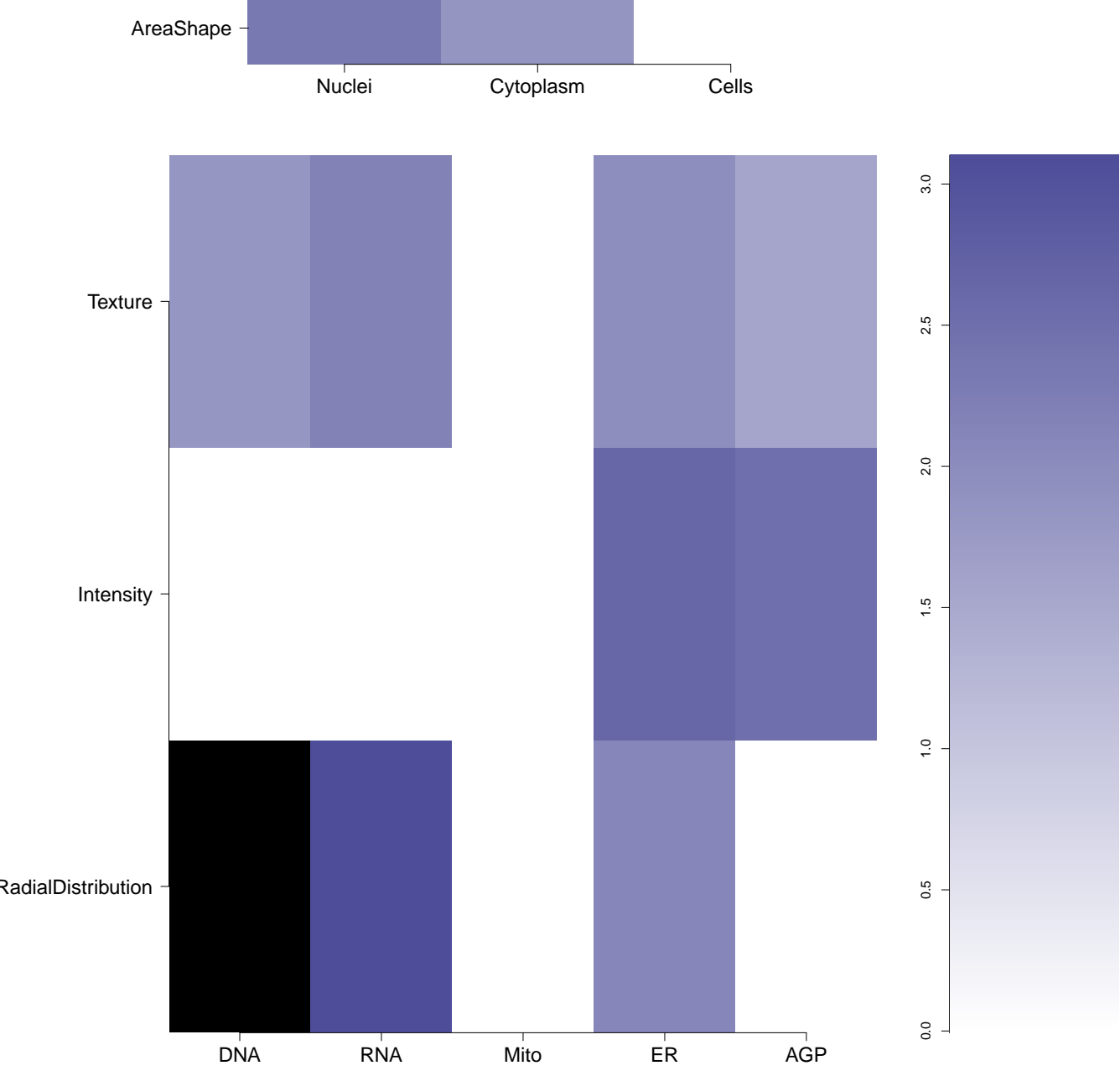

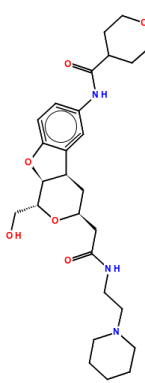
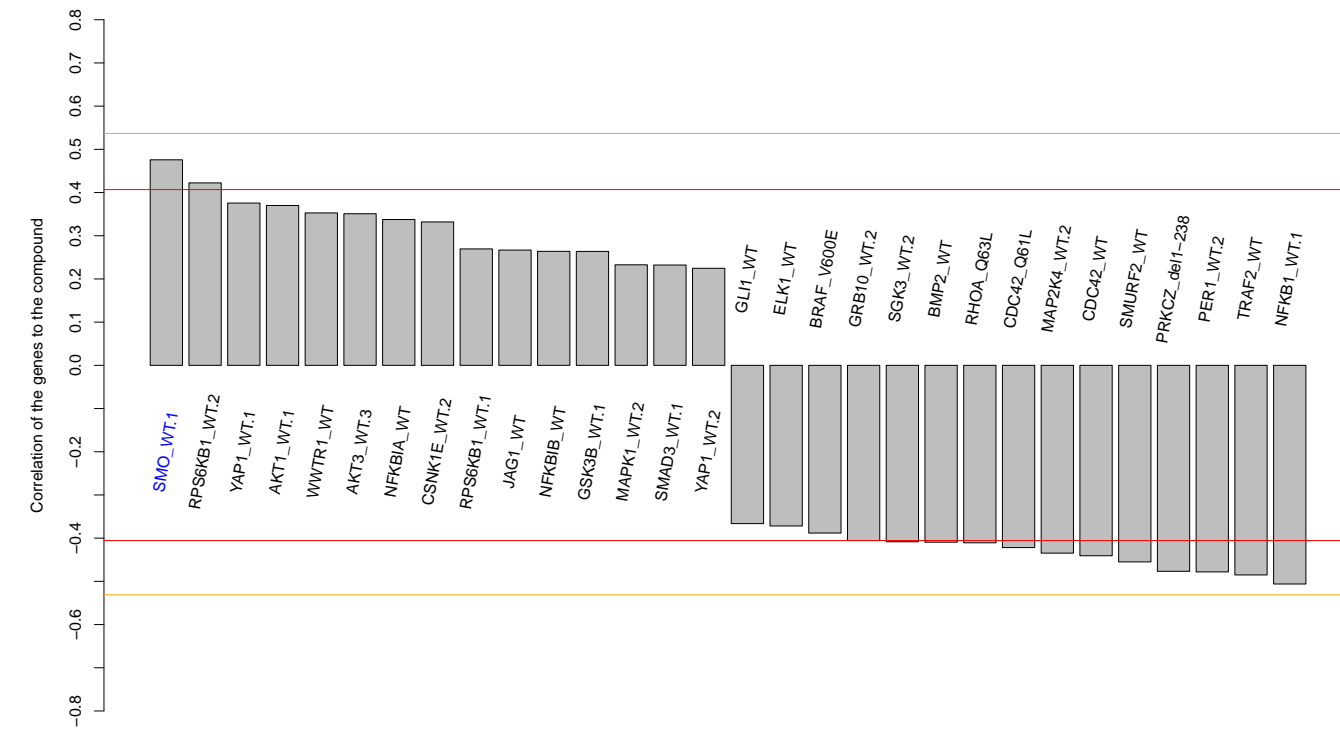
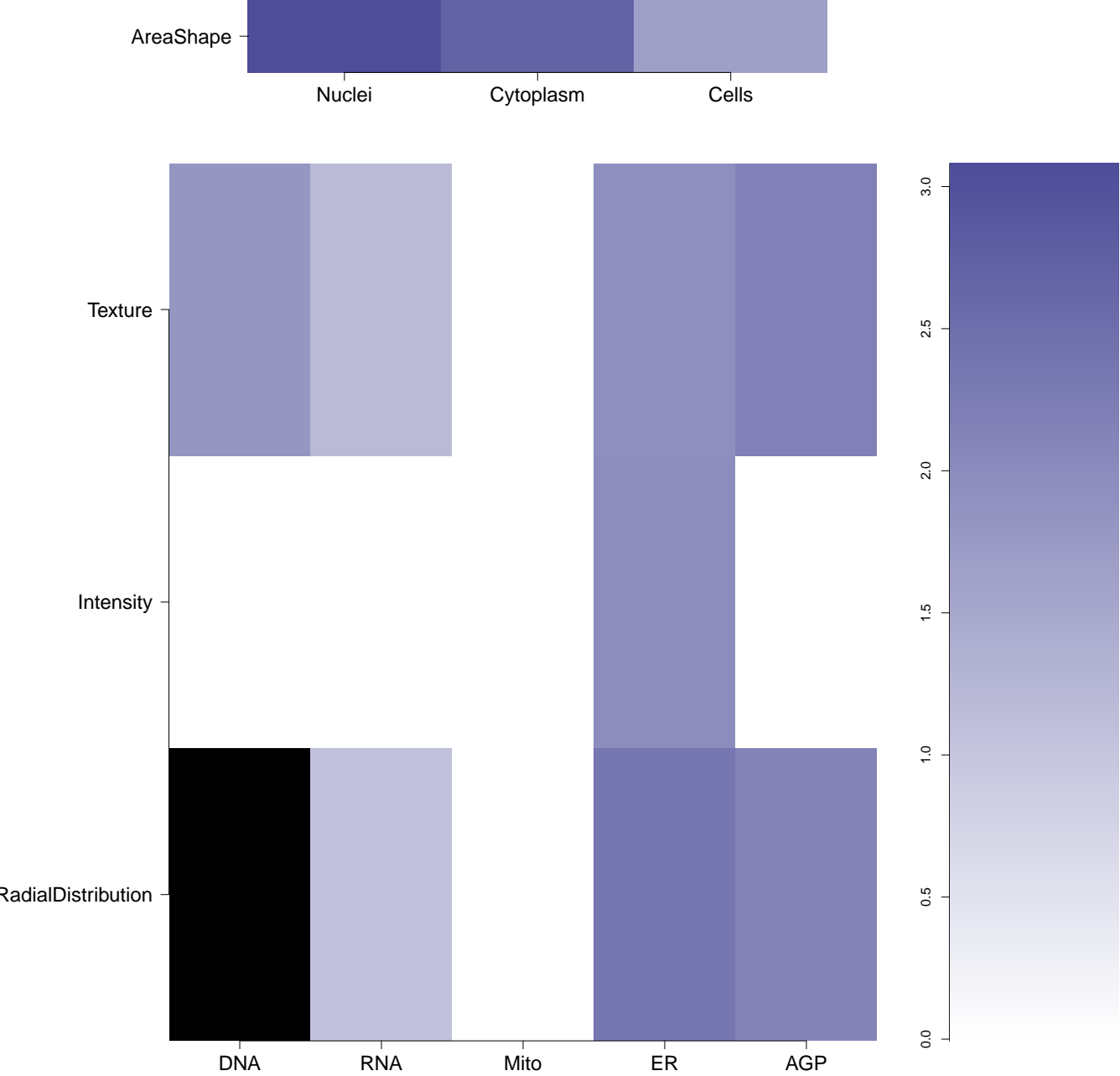

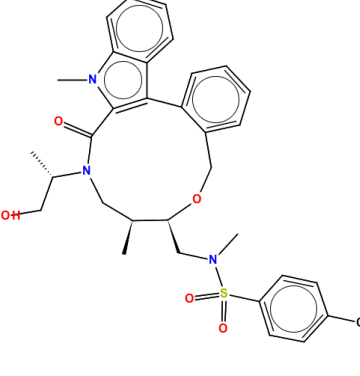
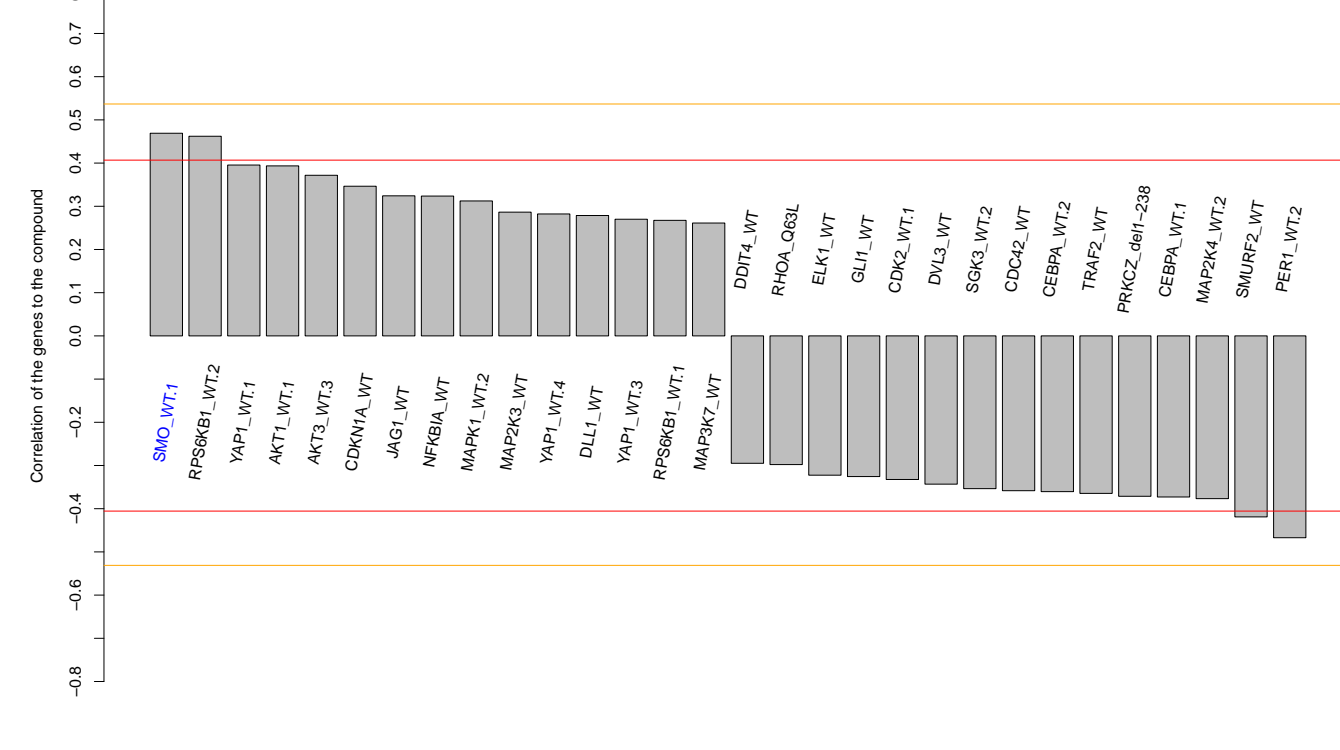
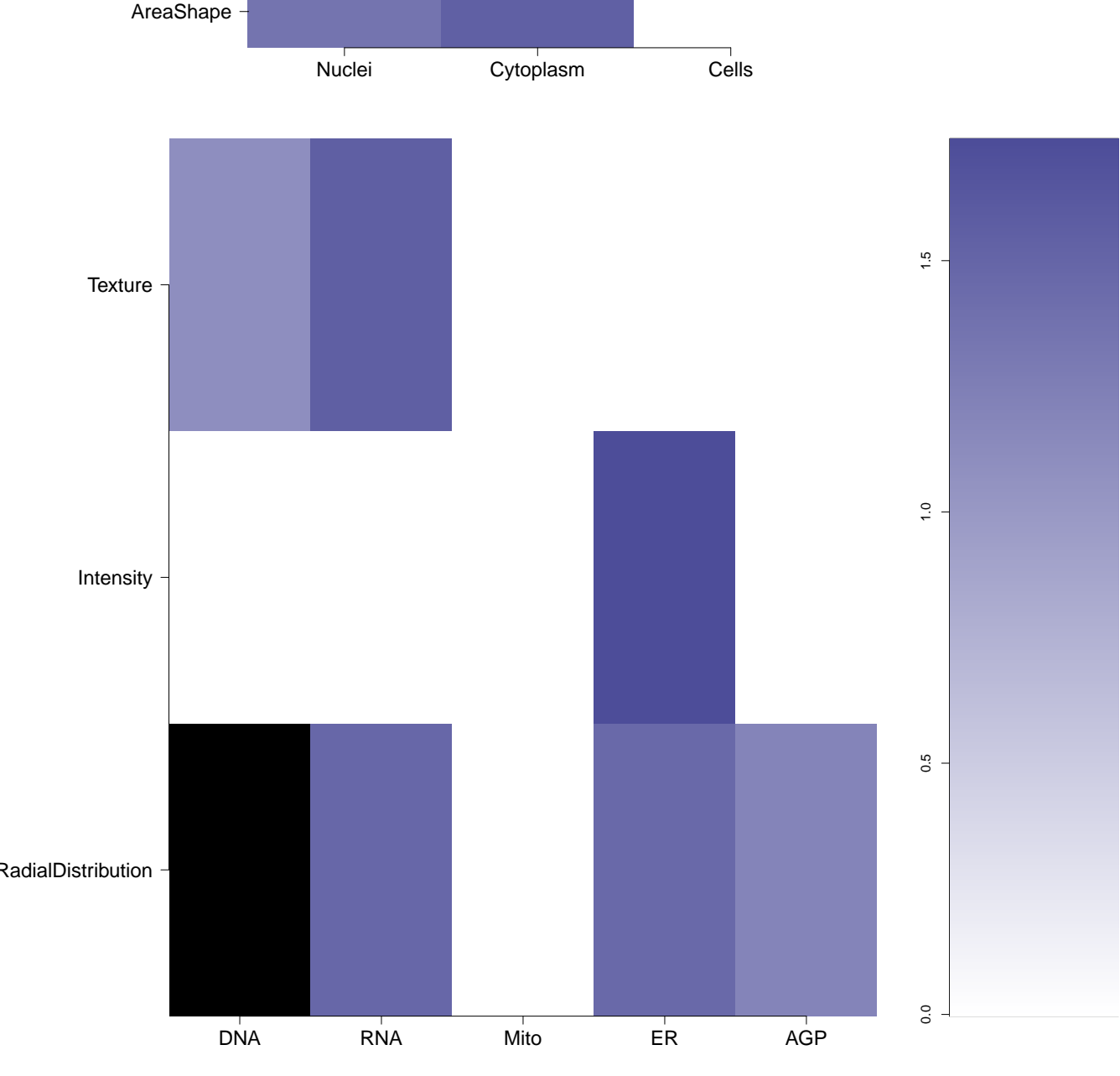
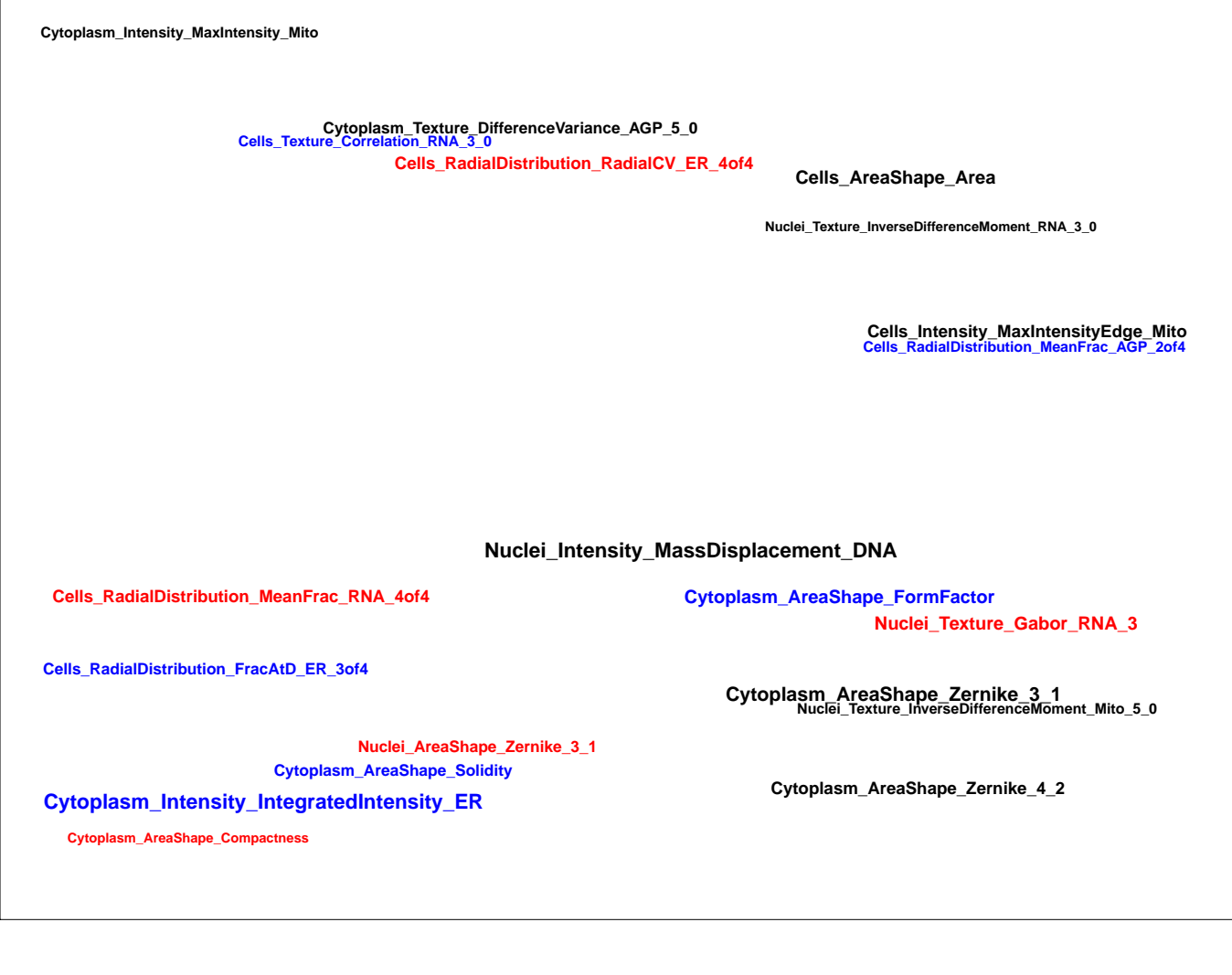
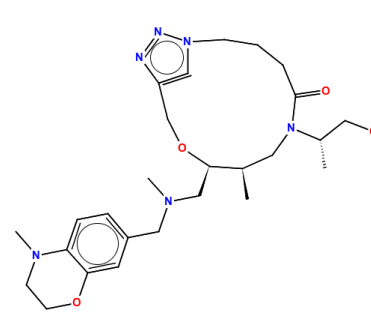
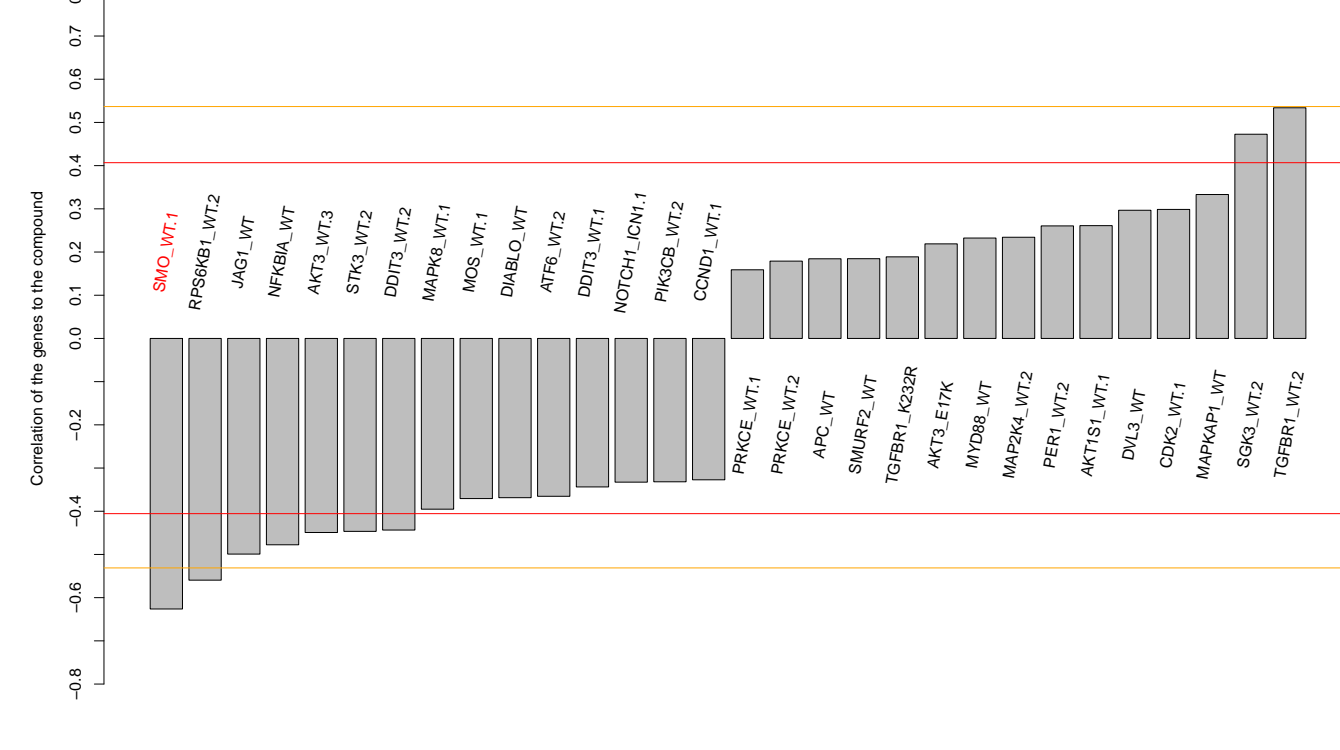
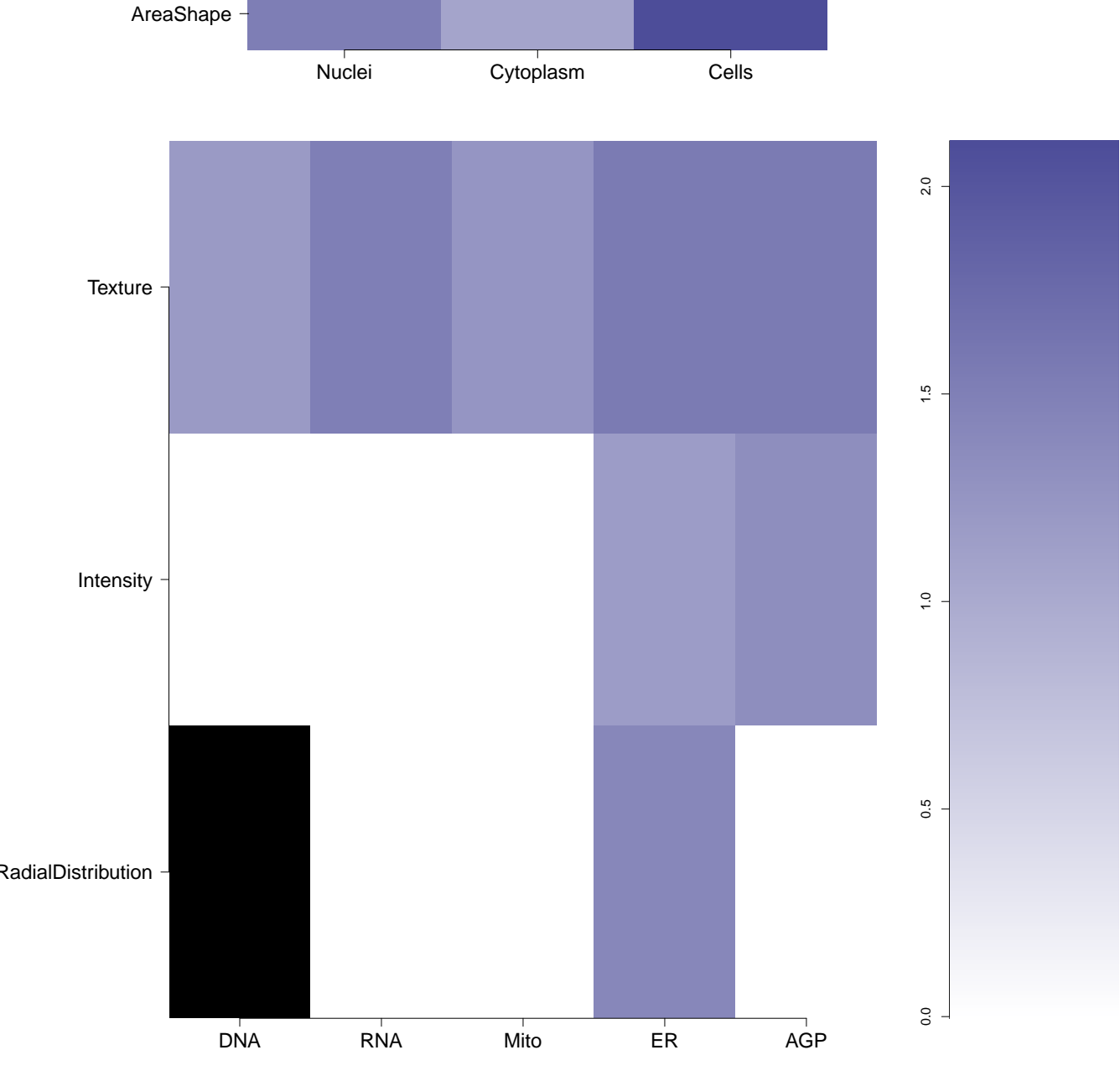
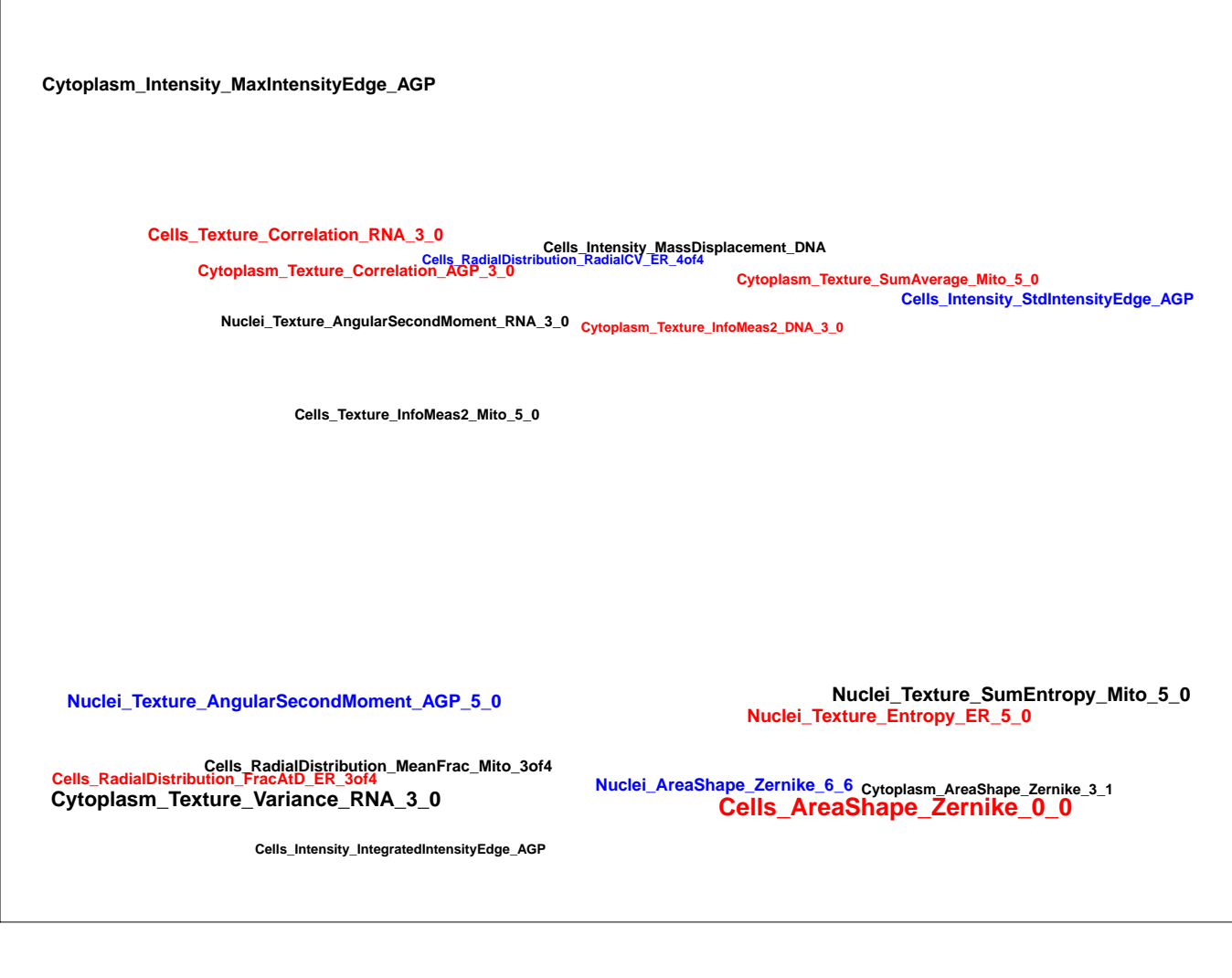
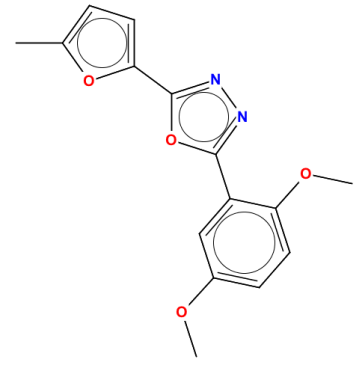
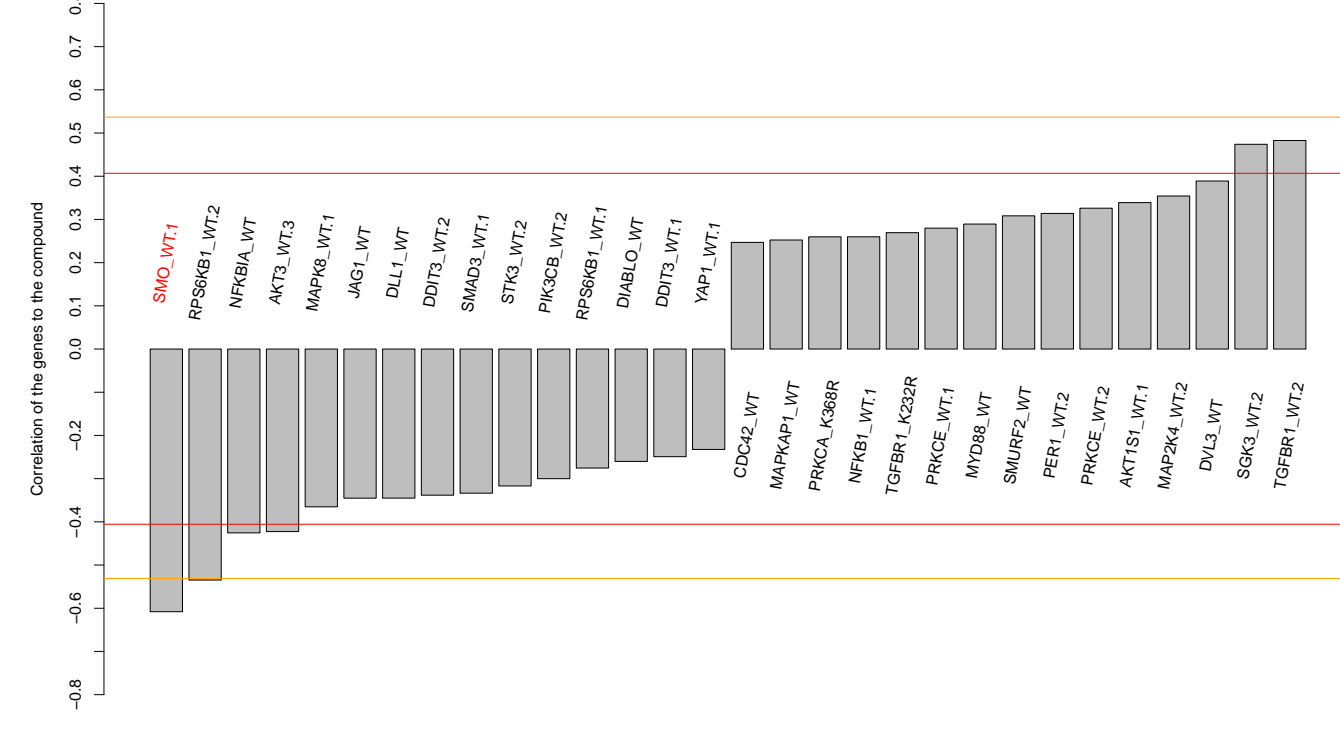
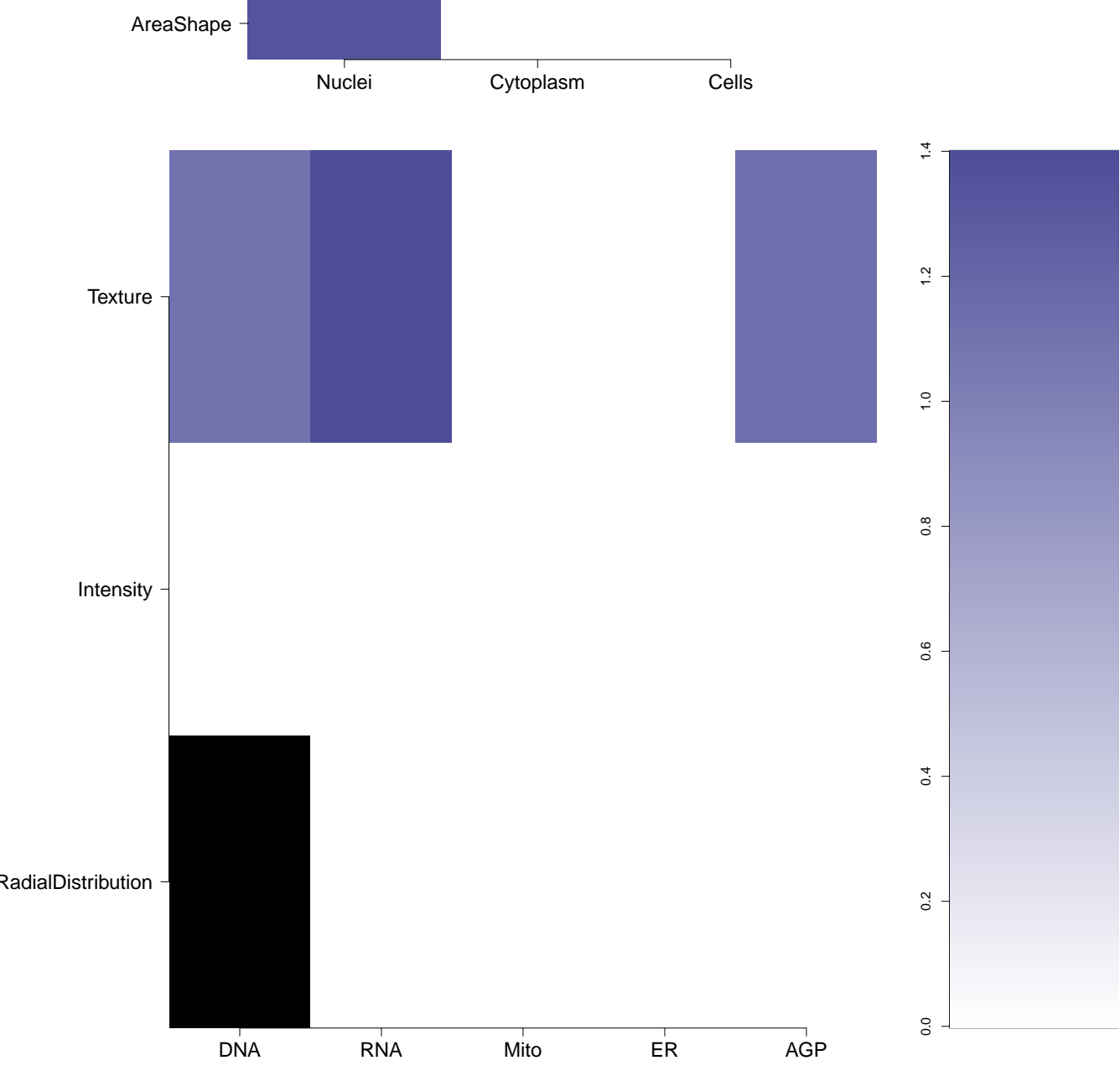
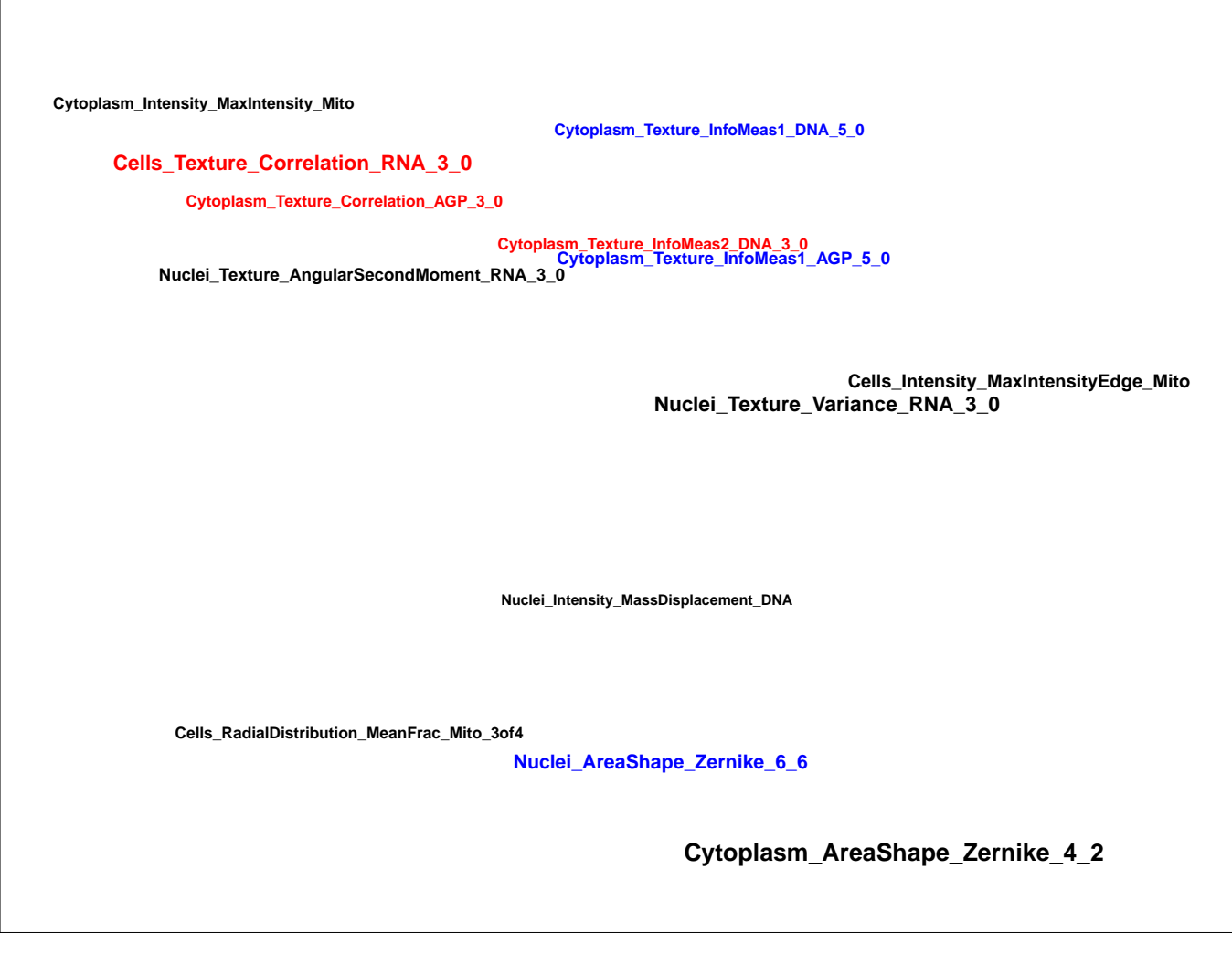
NA (in 1 replicates)

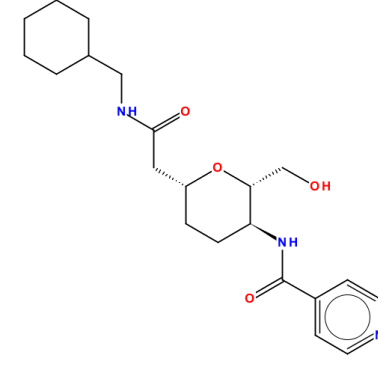
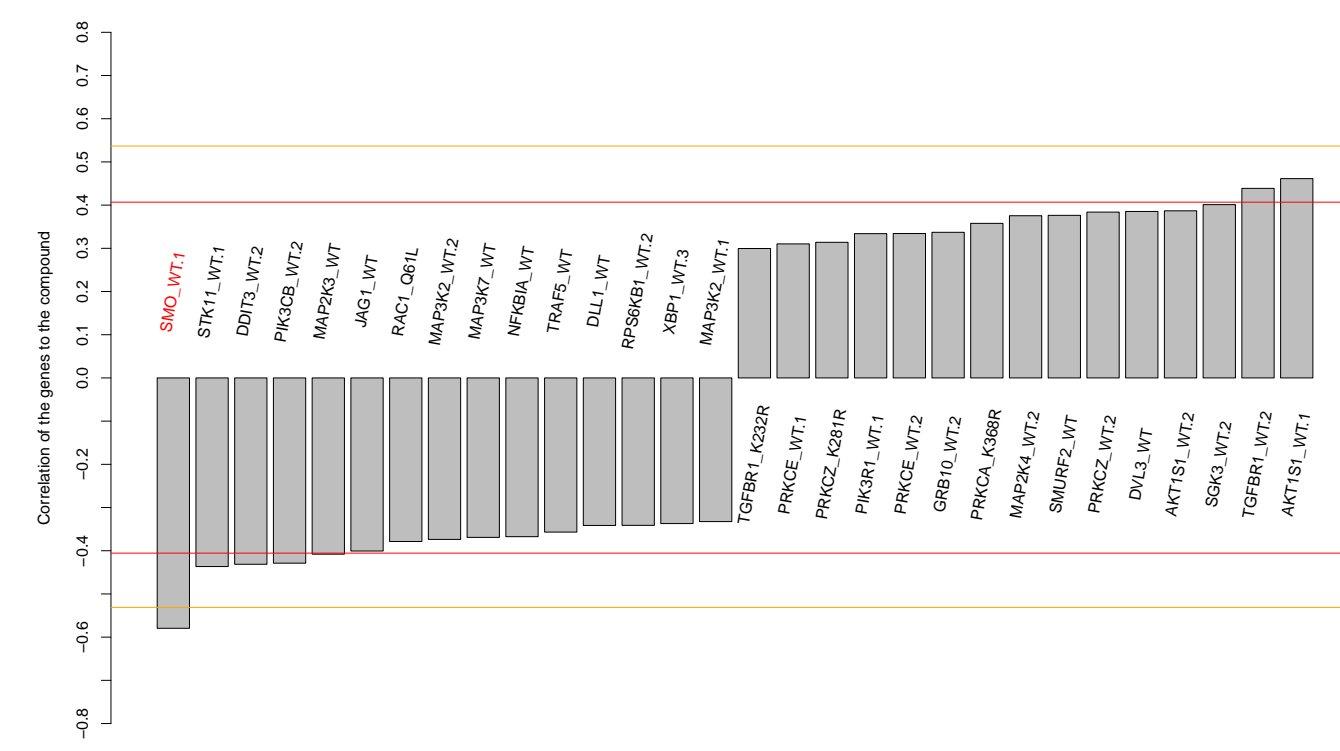
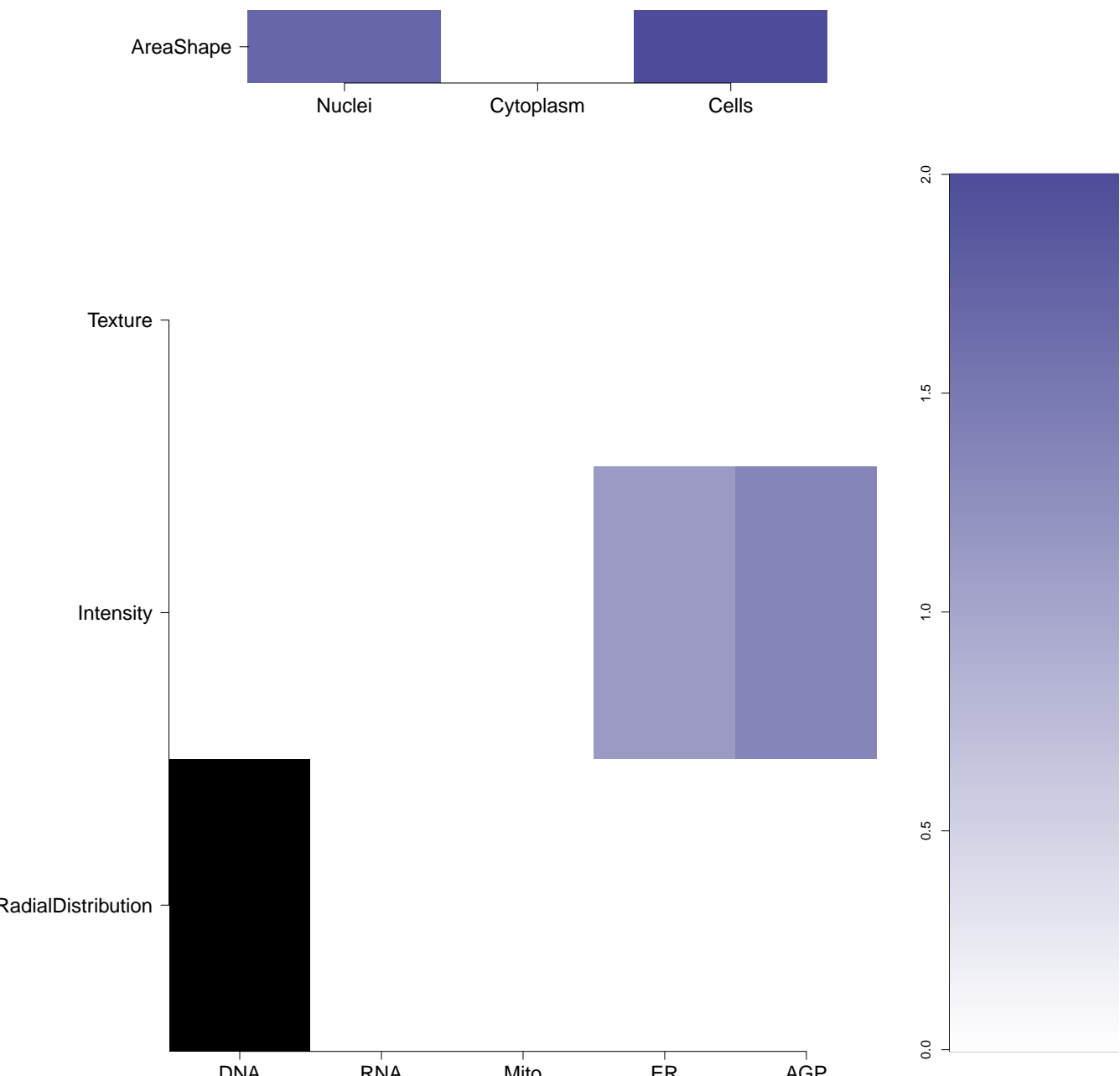
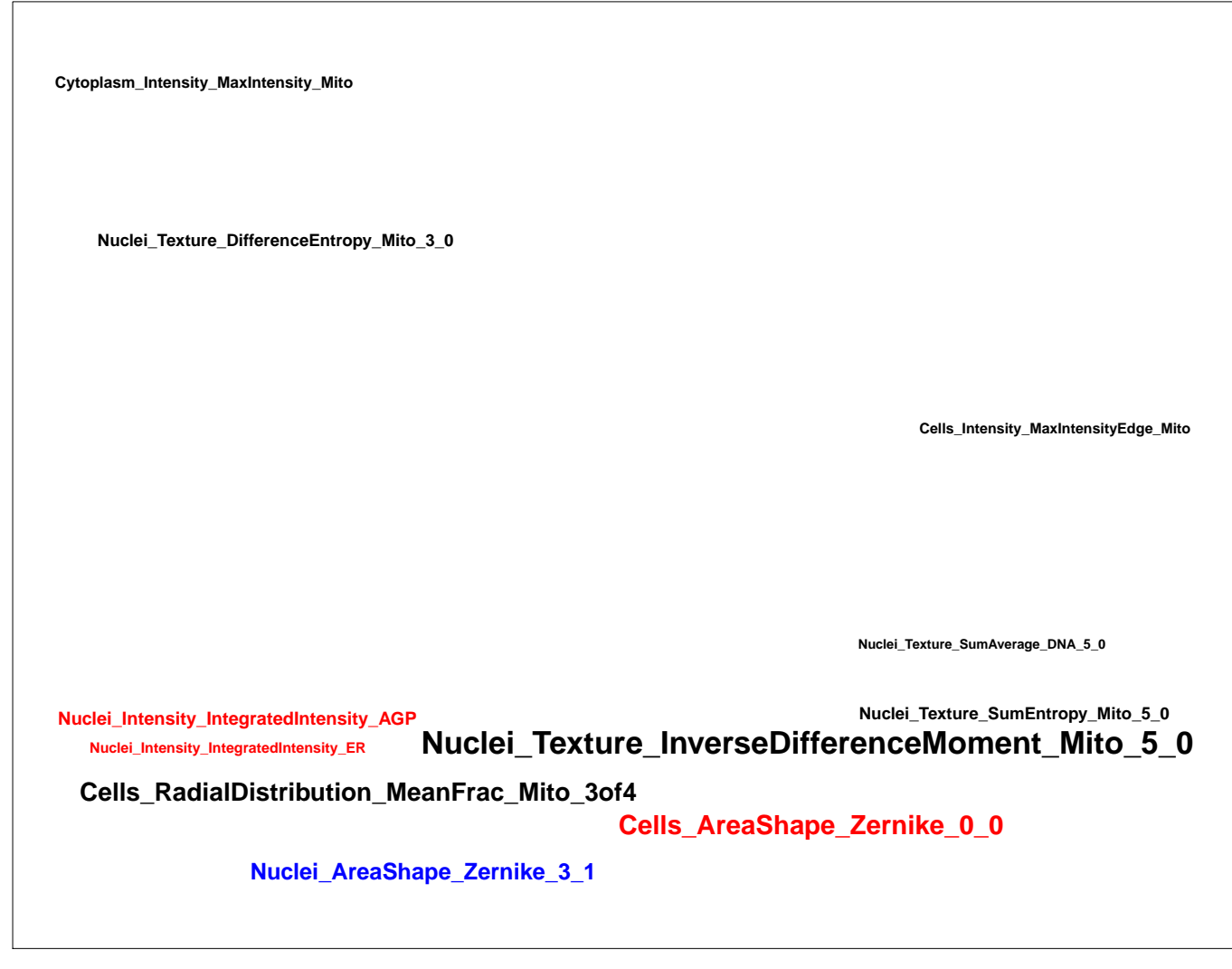
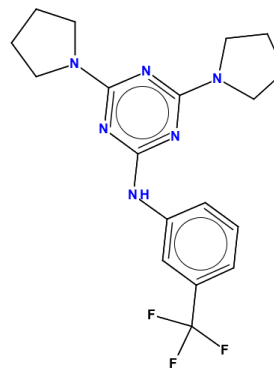
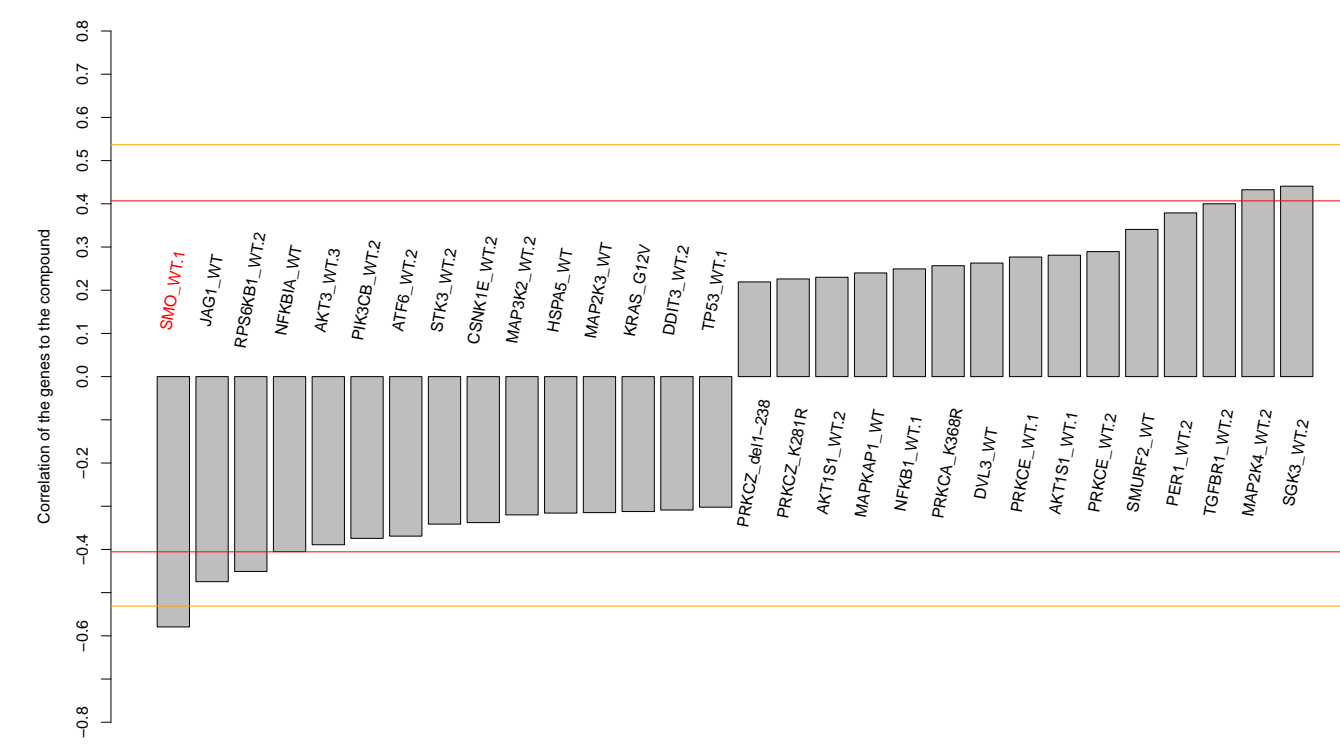
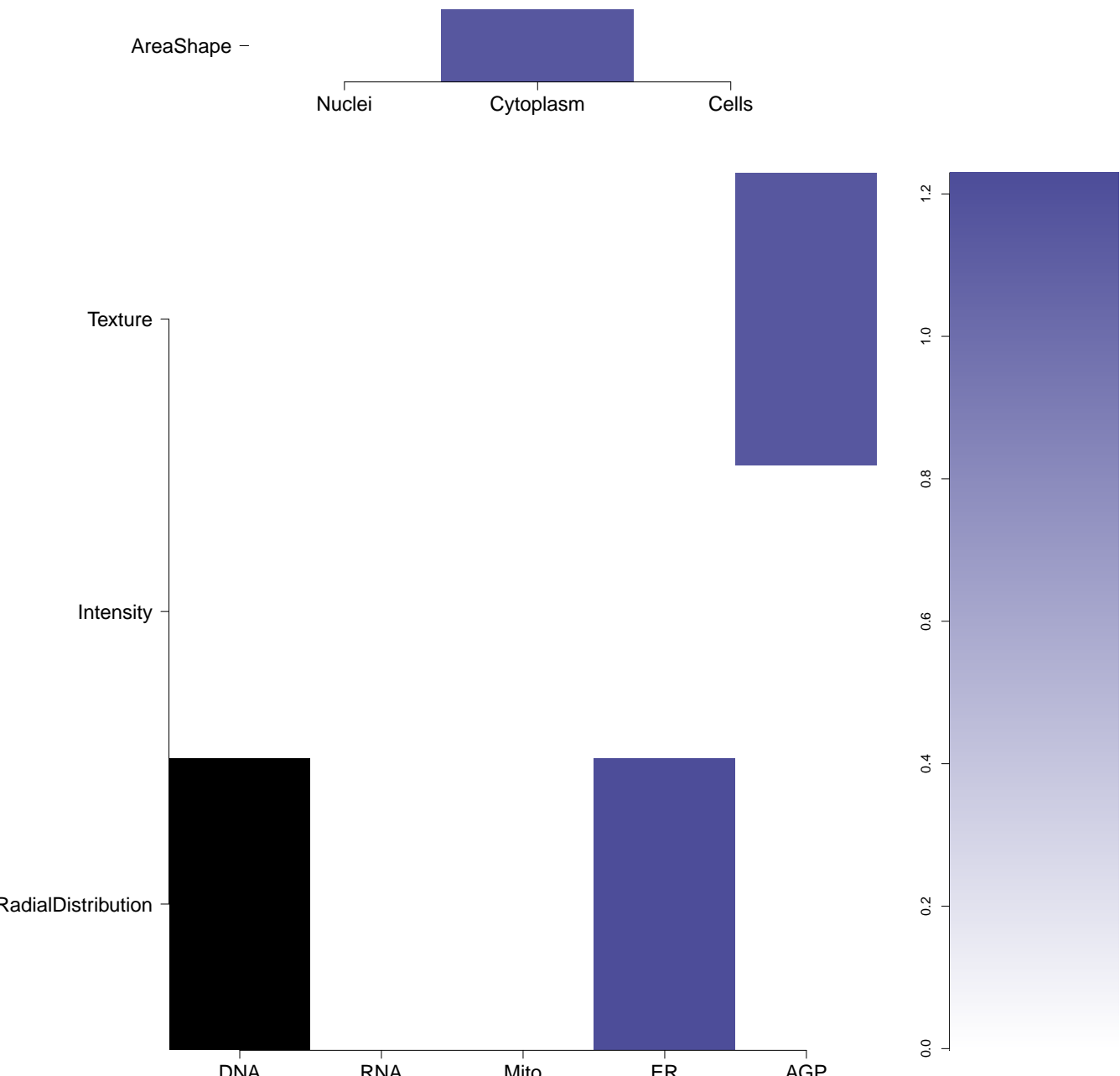
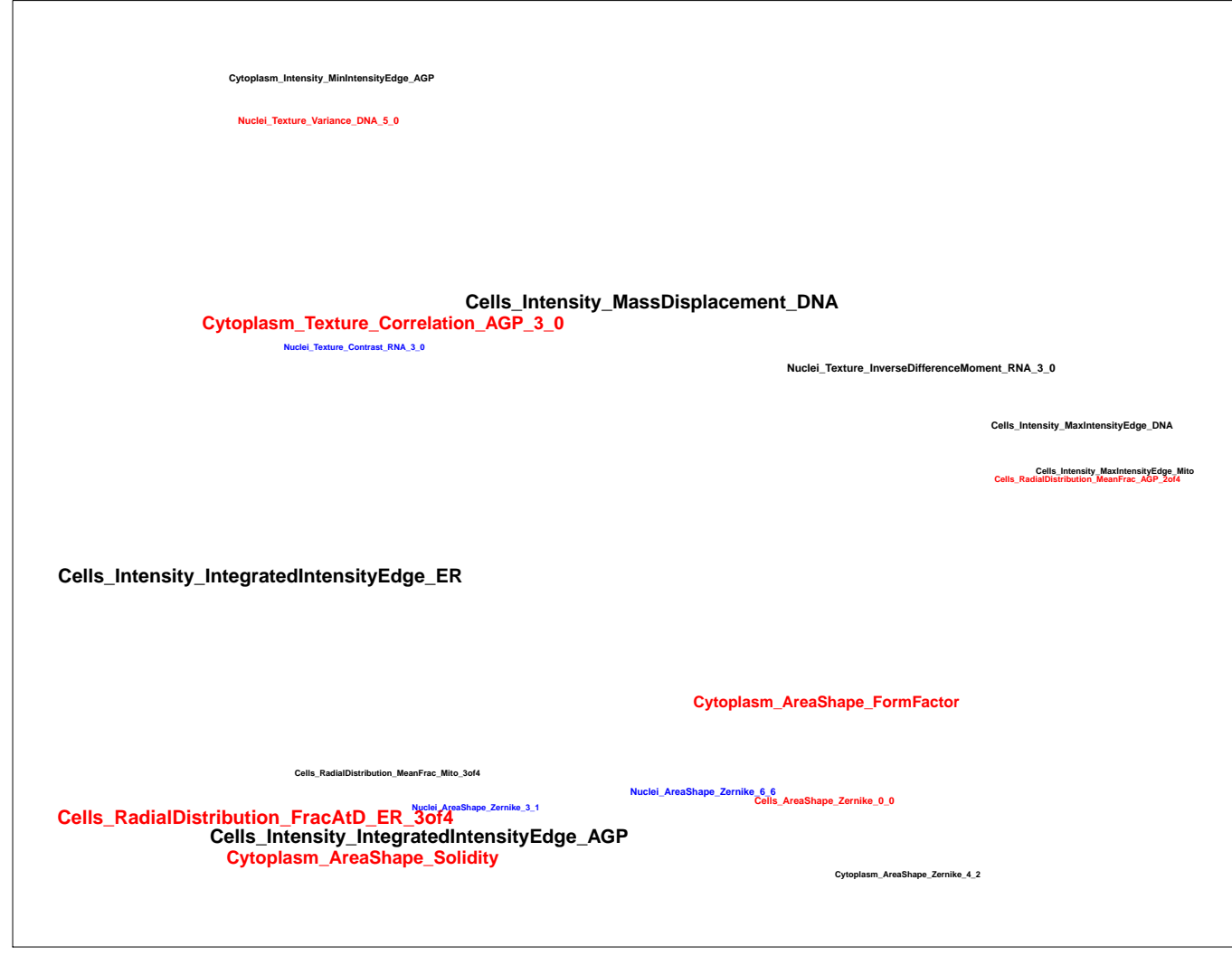
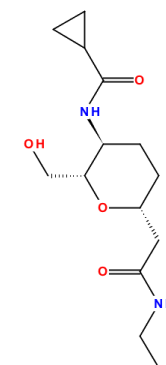
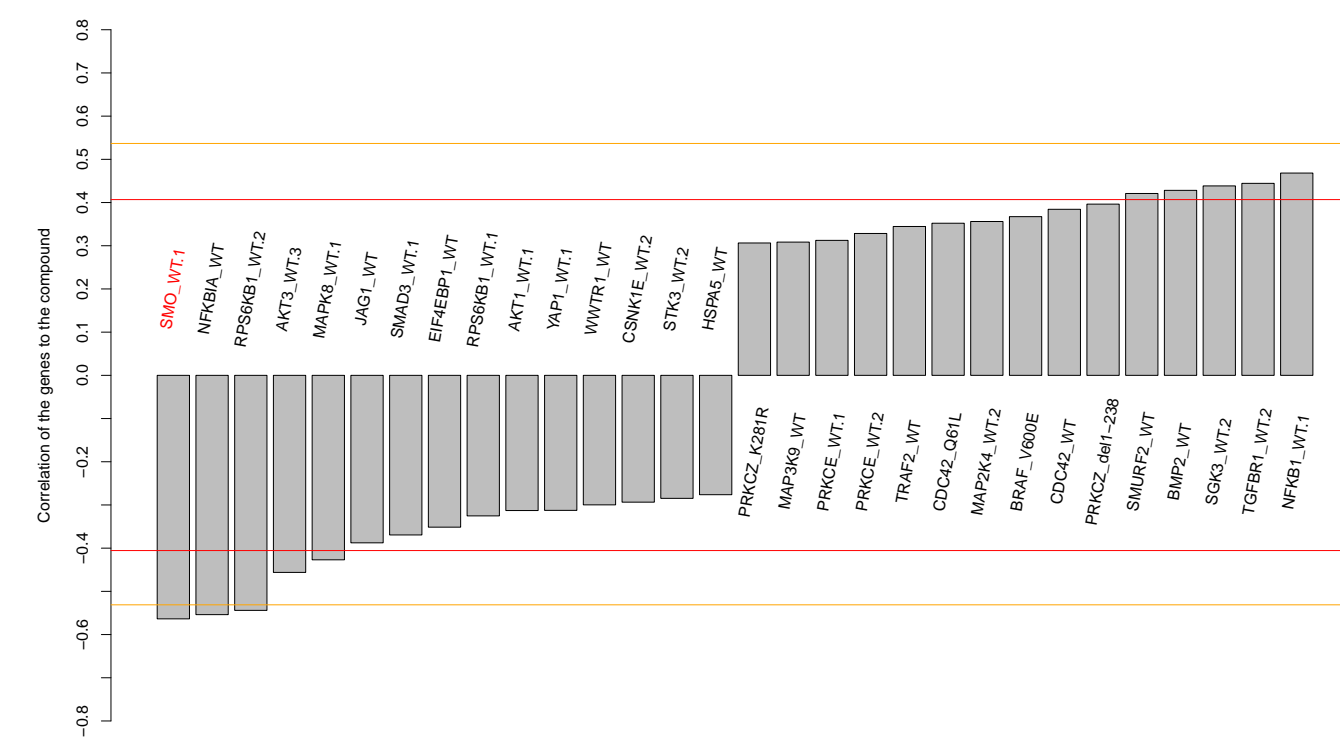
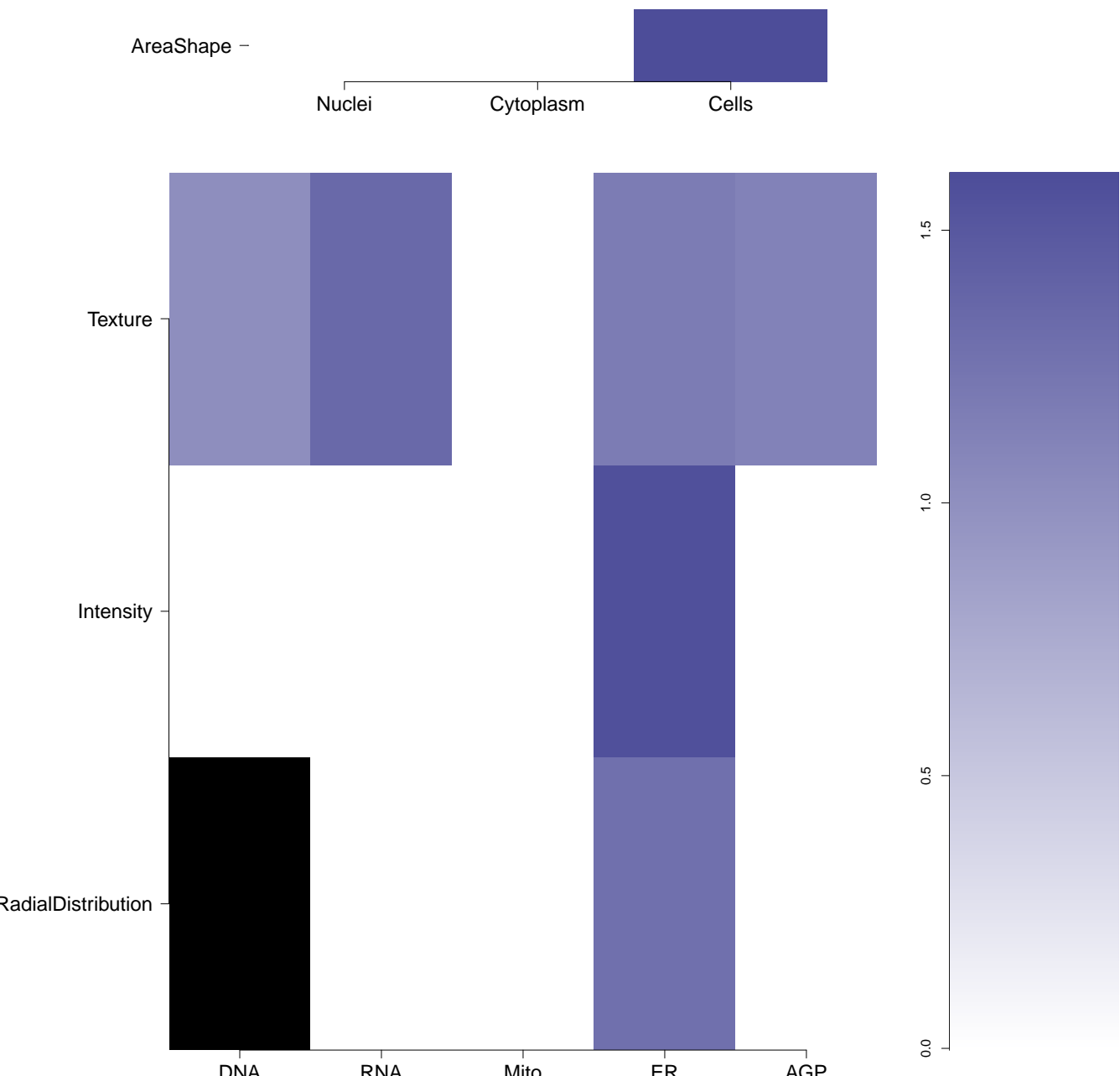
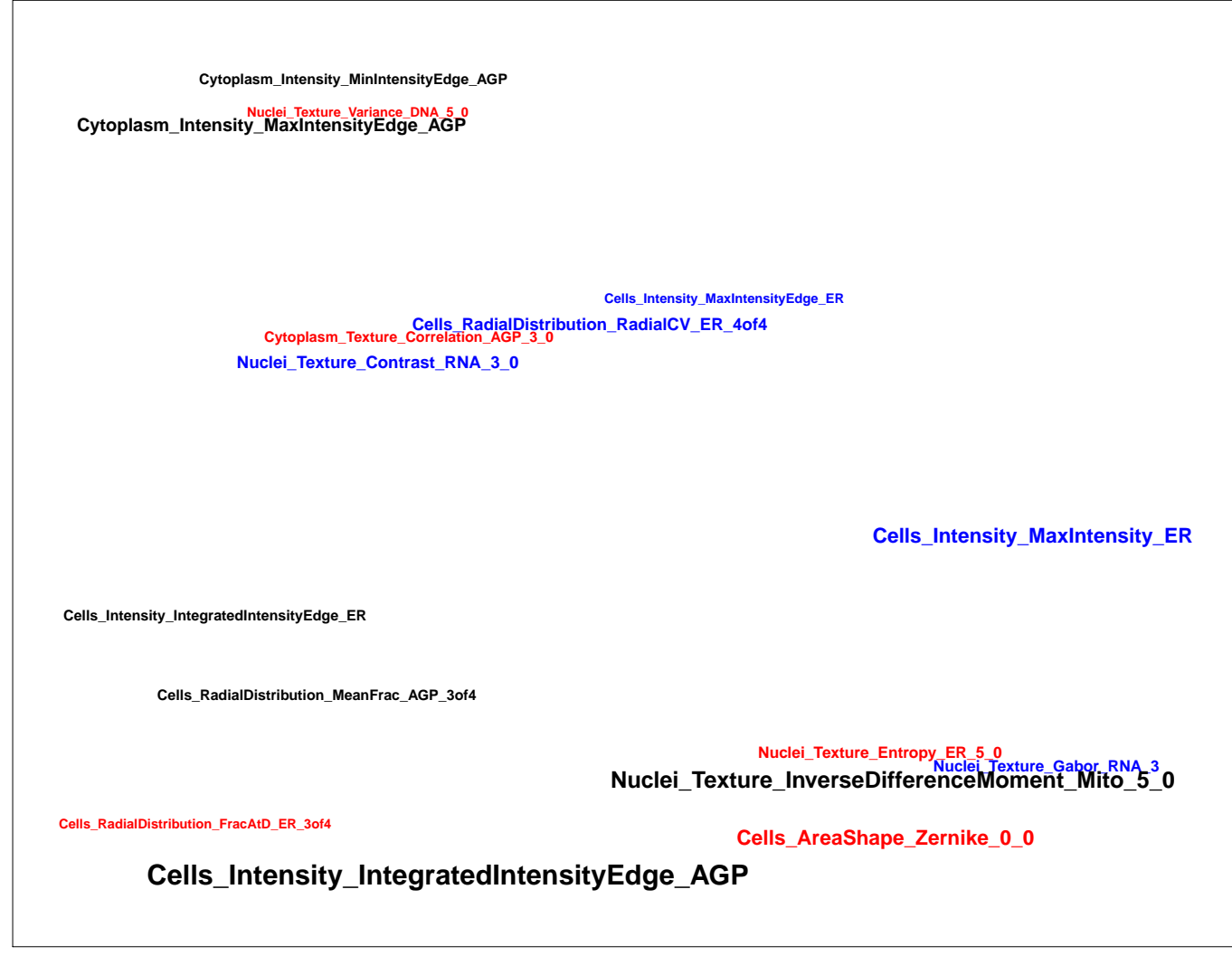
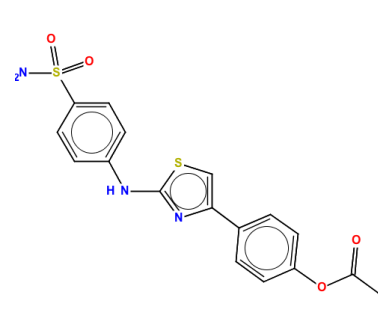
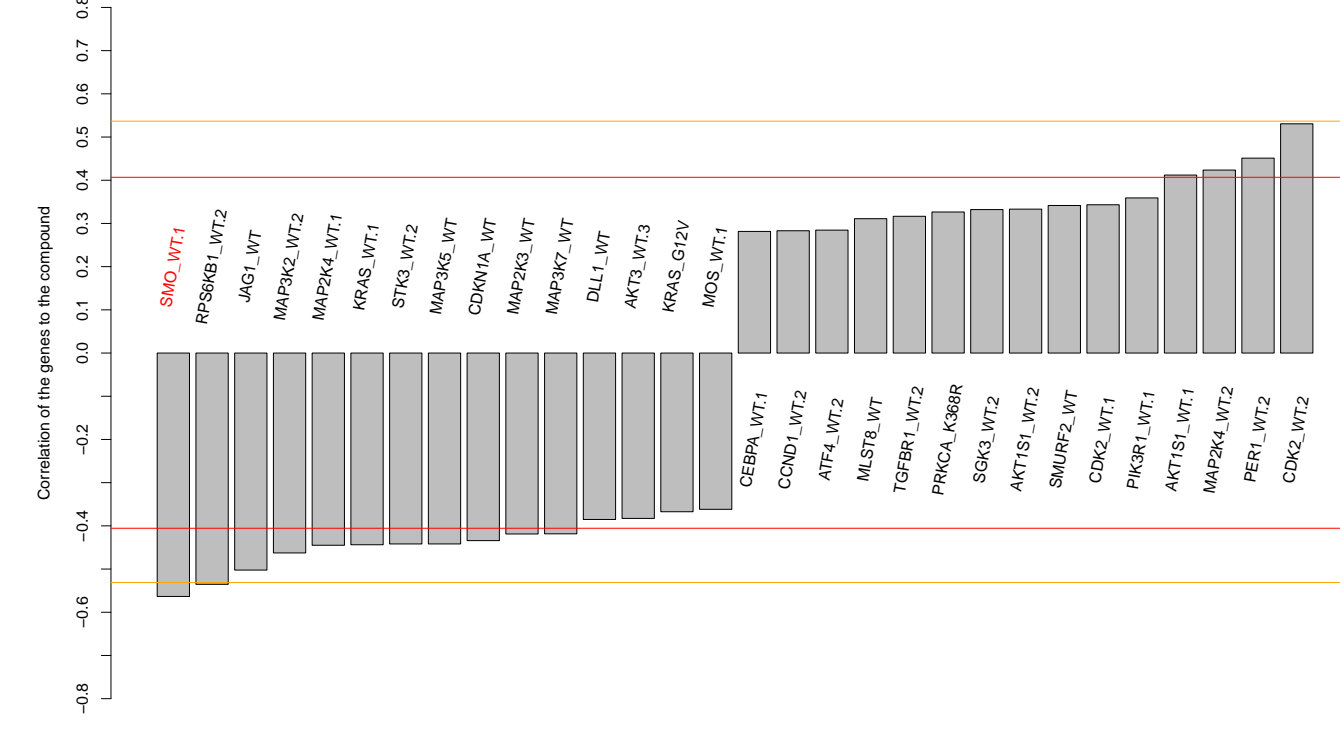
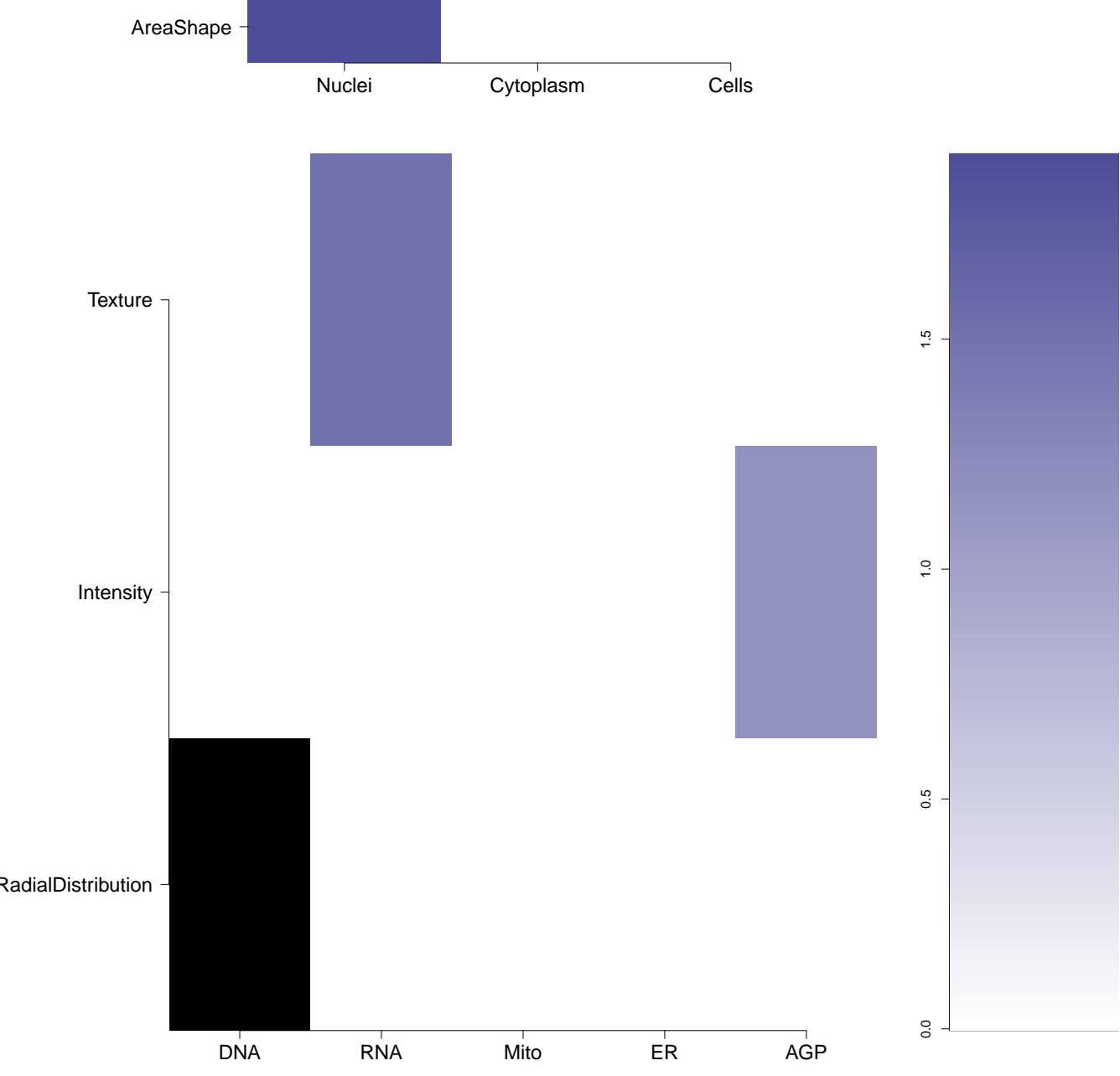
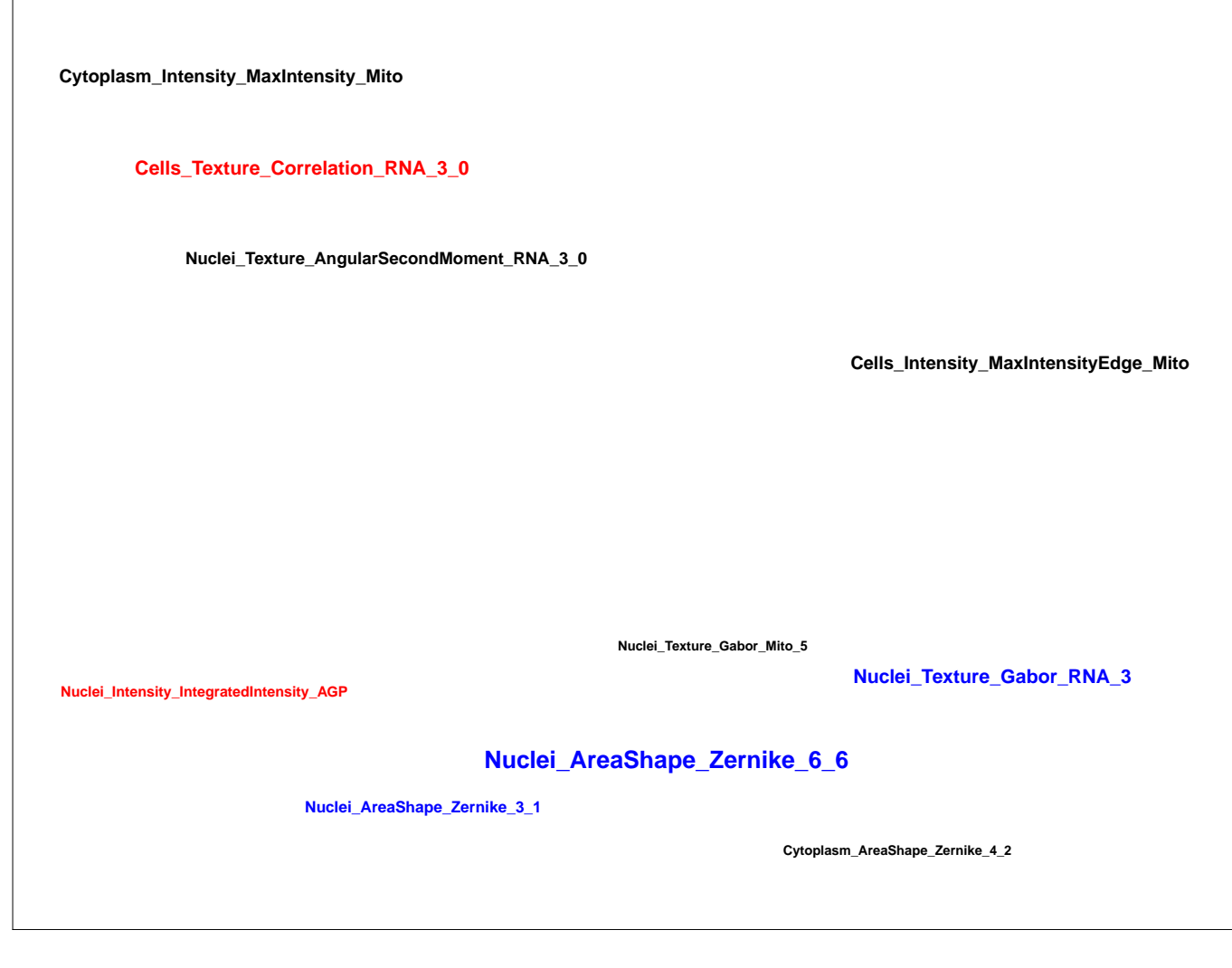
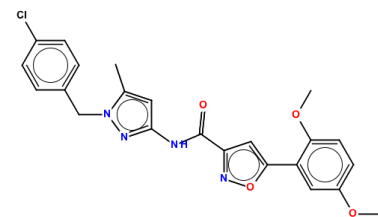
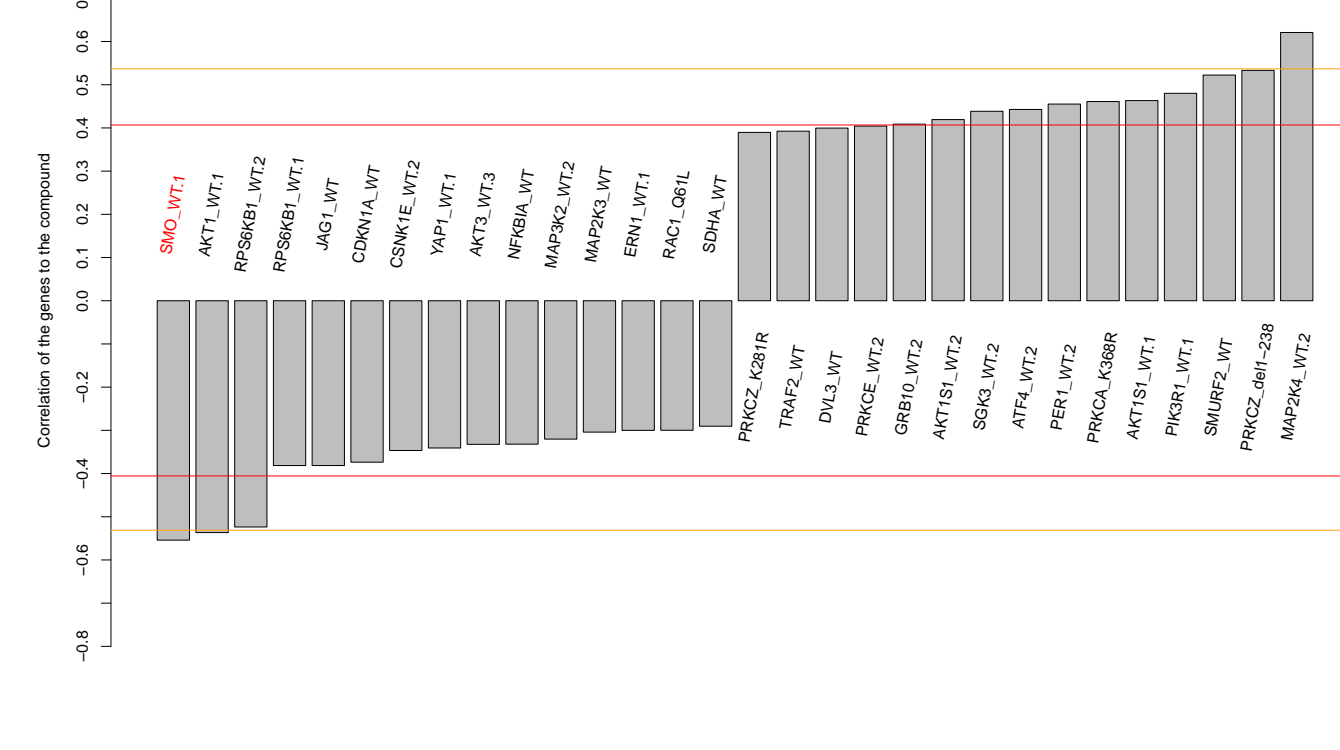
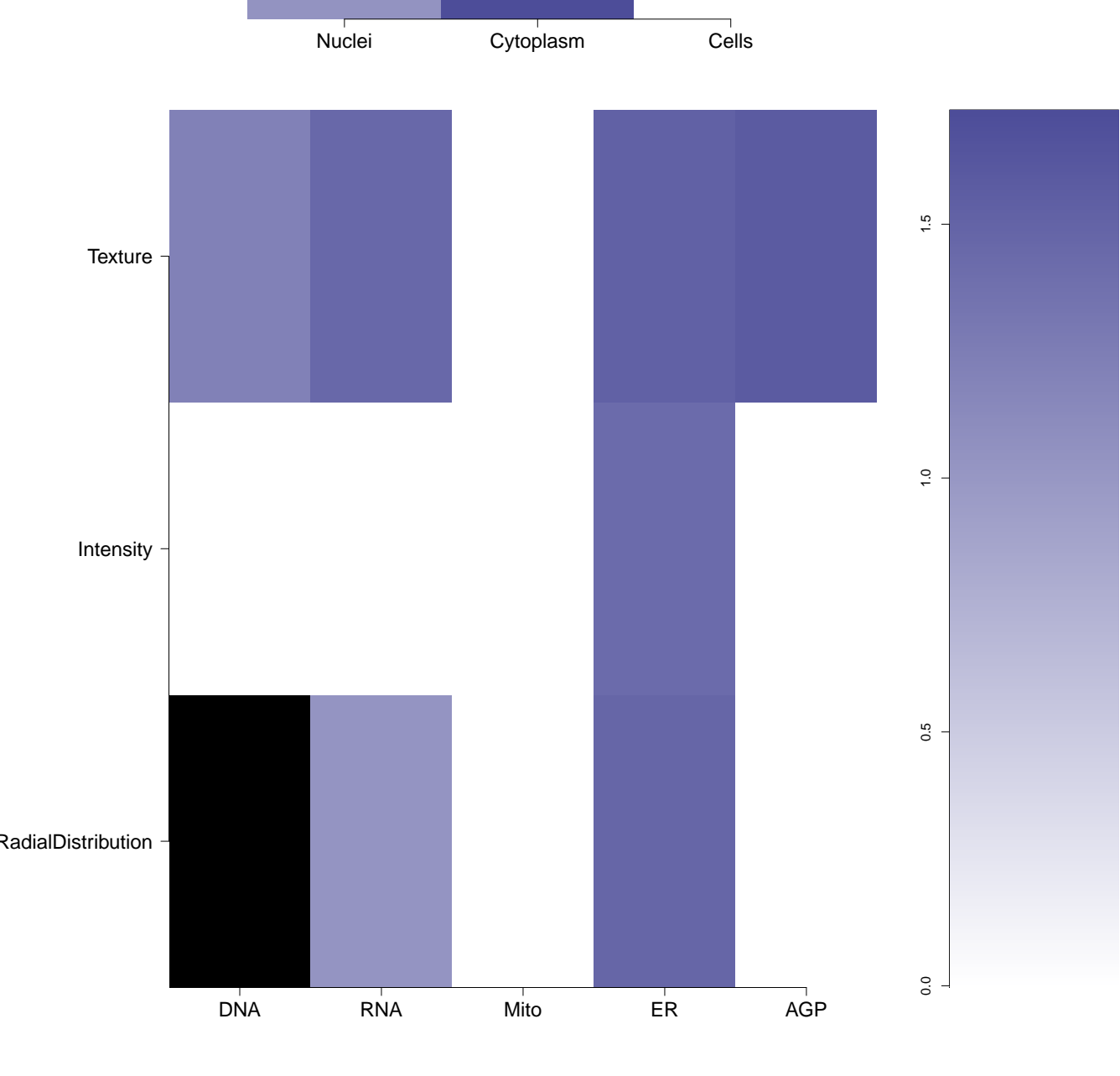
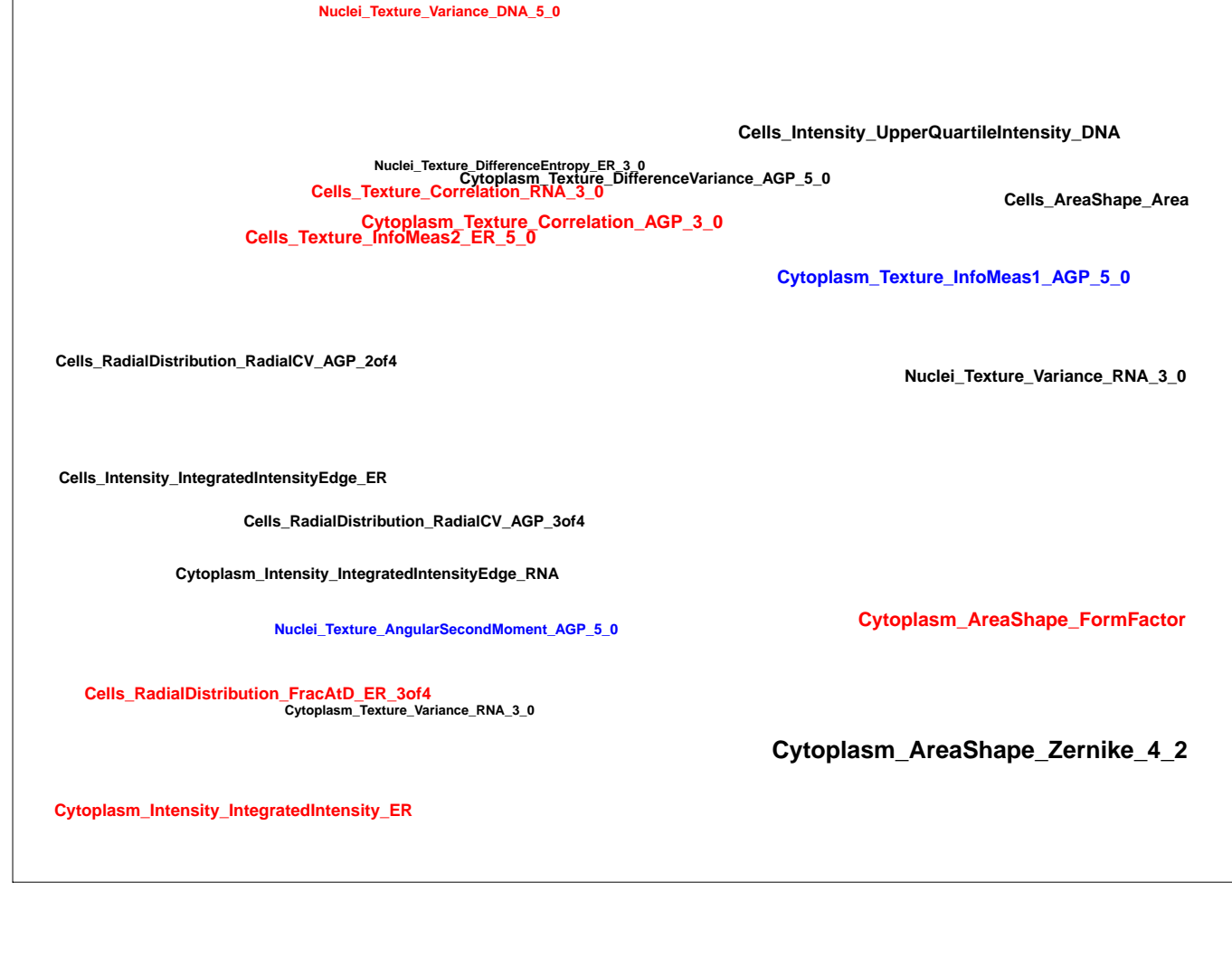
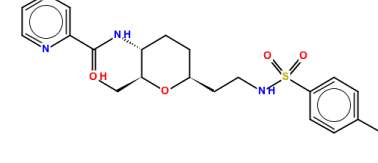
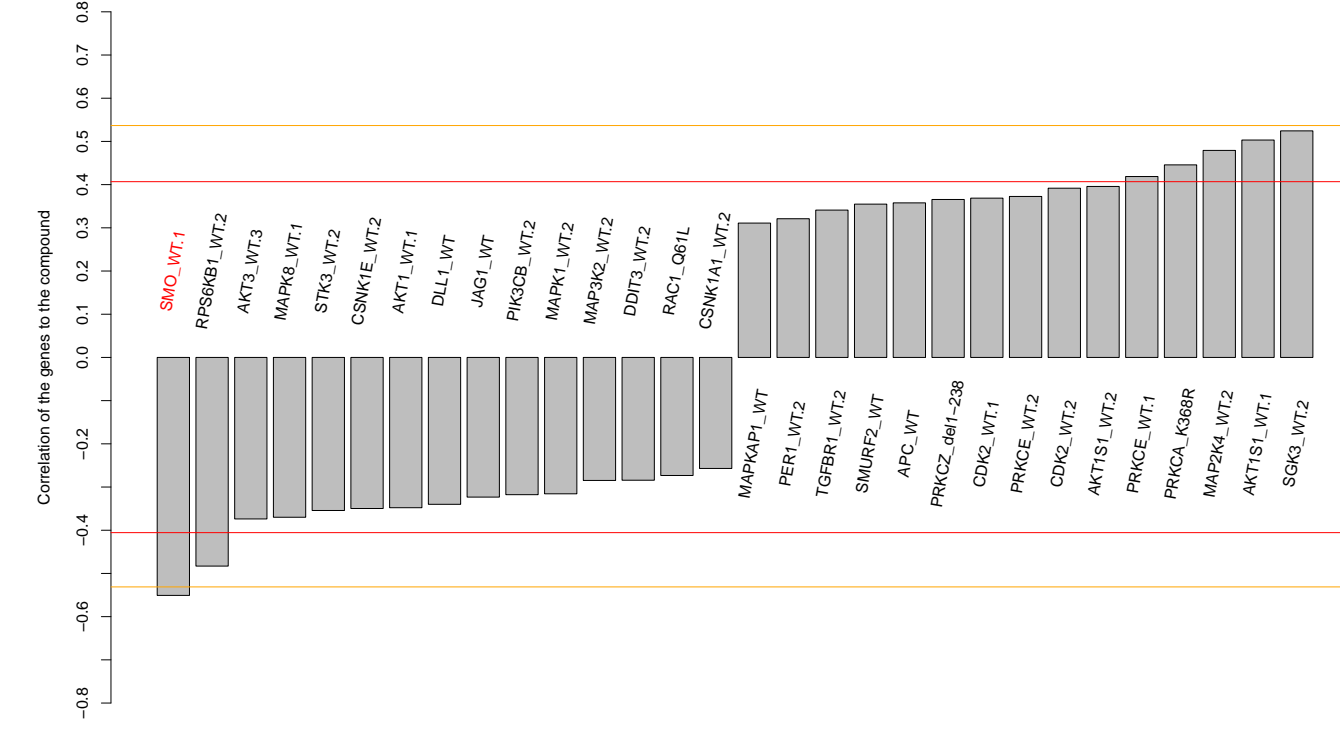
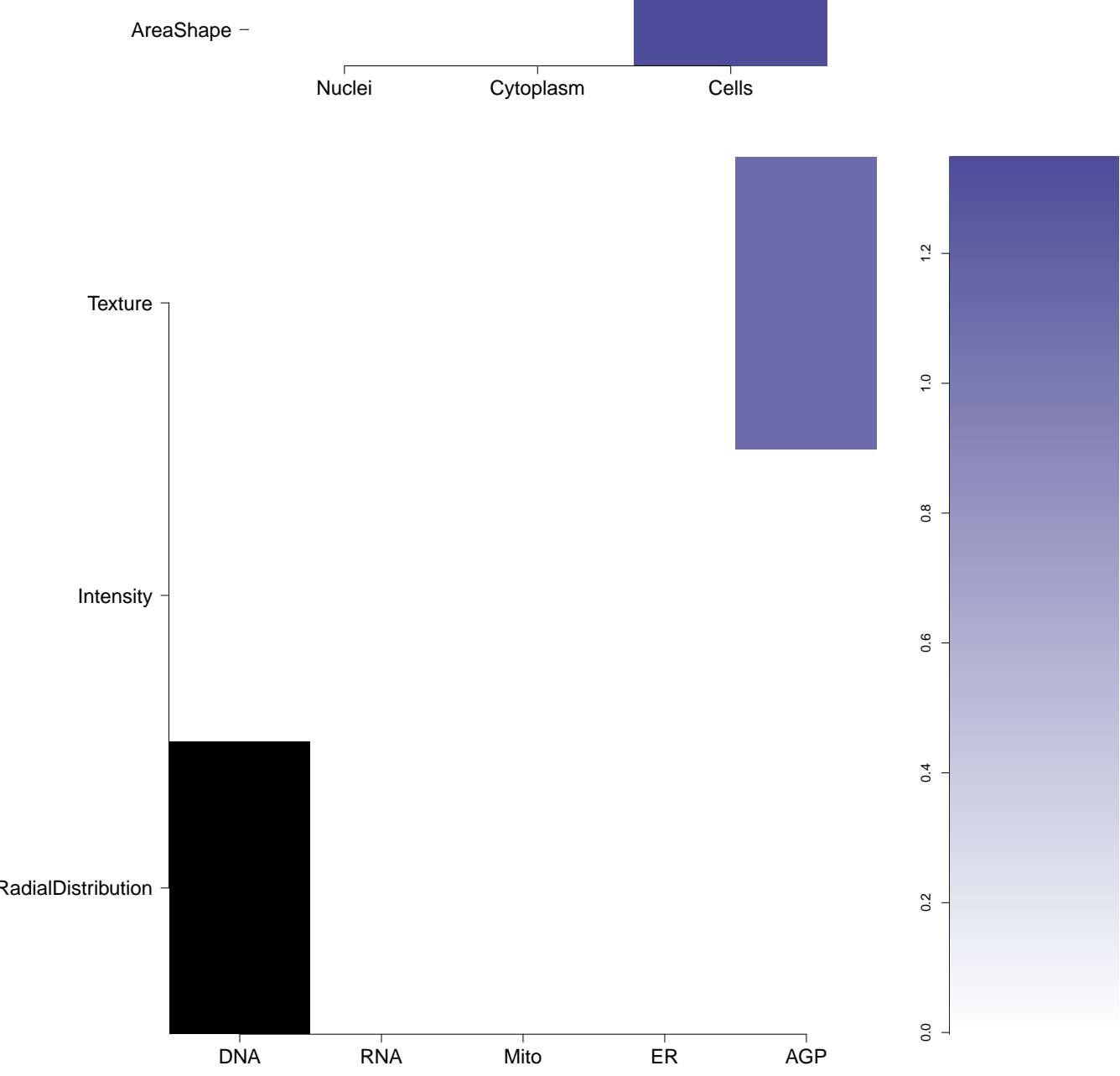

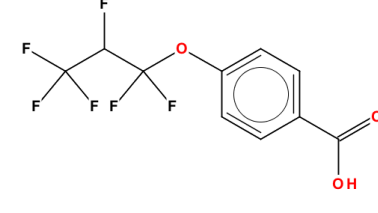
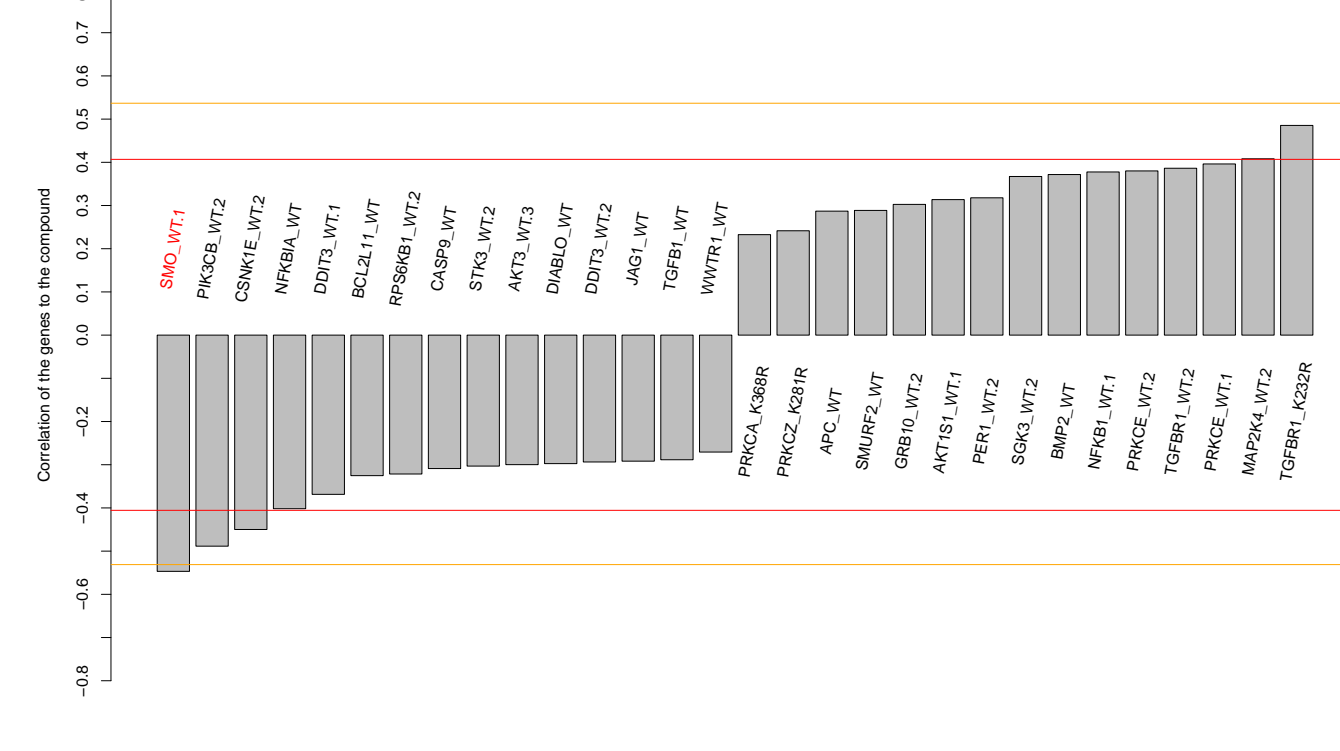
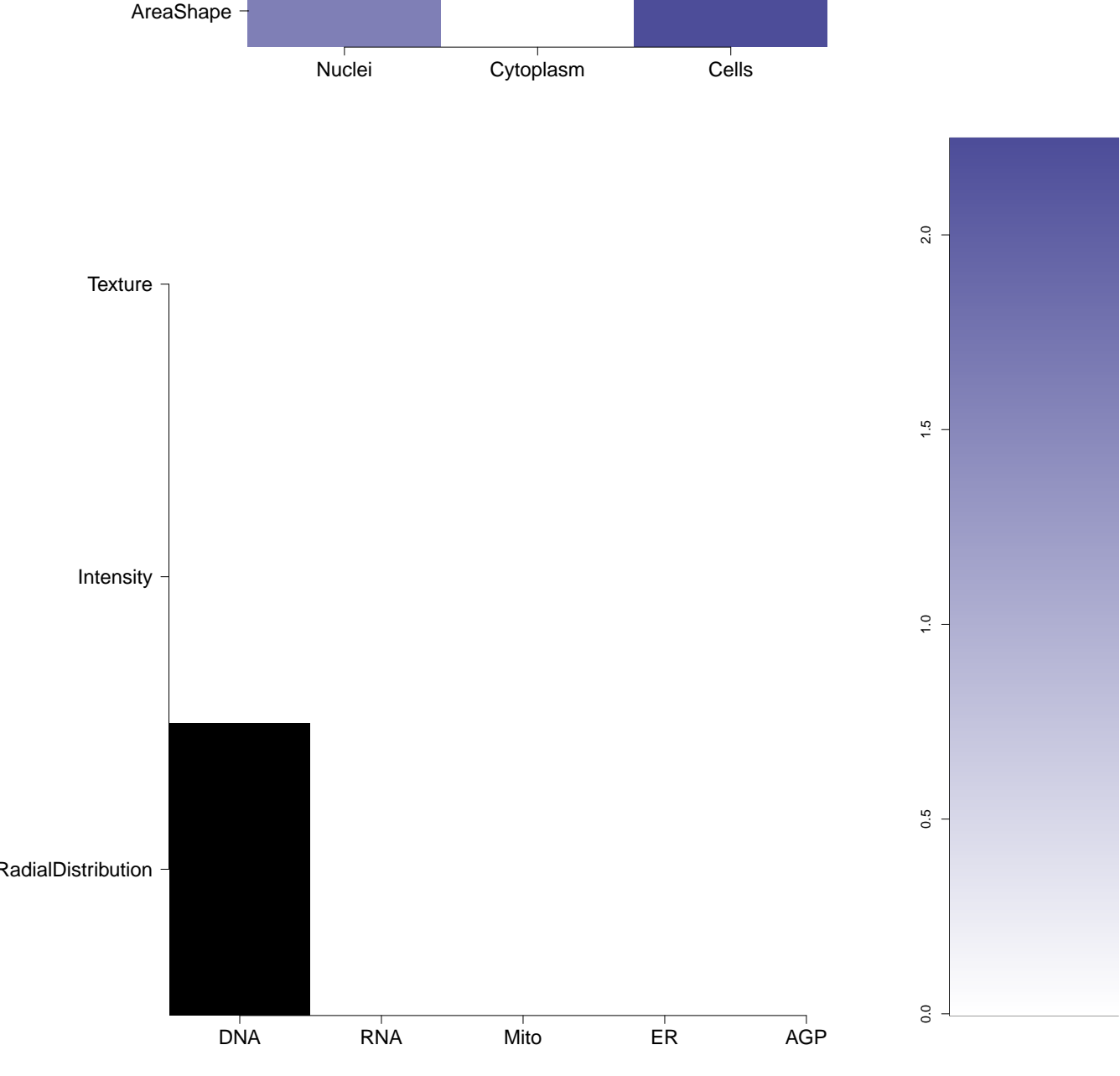
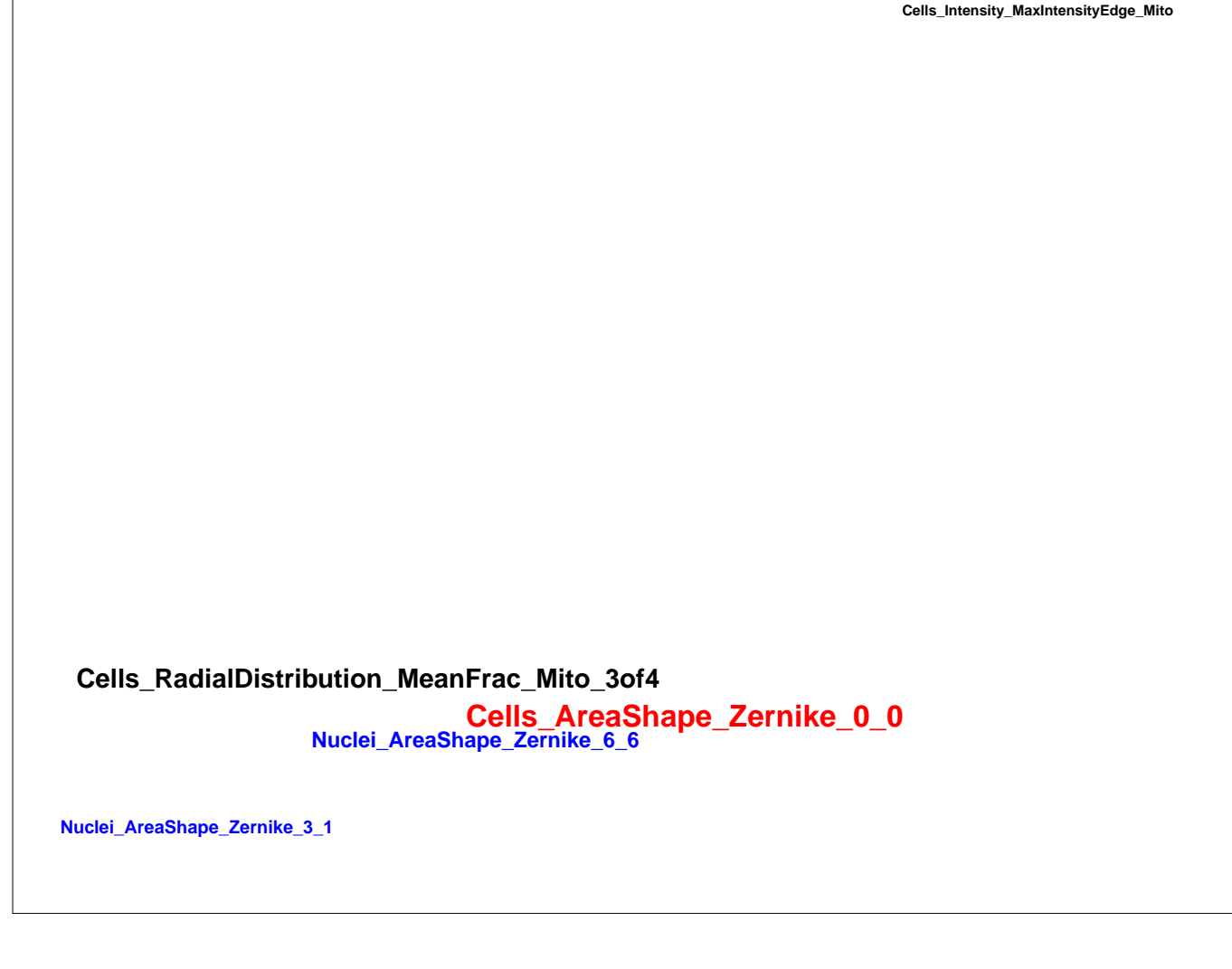
0.49

NA

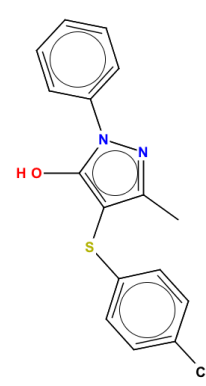


- Total number of assays tested in: 626. Active in the following assays:
- qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)
 - Leishmania major promastigote HTS (AID 1063)
 - qHTS Assay for Promiscuous and Specific Inhibitors of Cruzin (without detergent) (AID 1476)
 - Fluorescence polarization-based primary biochemical high-throughput screening assay to identify inhibitors of Protein Phosphatase Methyltransferase 1 (PME-1). (AID 2130)
 - qHTS Assay for Inhibitors of Influenza NS1 Protein Function (AID 2326)
 - qHTS for inhibitors of BOR gamma transcriptional activity (AID 2551)
 - Antagonist of Human D 1 Dopamine Receptor: qHTS (AID 504652)
 - qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
 - Fluorescence polarization-based biochemical high throughput primary assay to identify inhibitors of sialic acid acetyltransferase (SLAE) (AID 1053197)

BRD-K69930474-001-02-4 MLS003129778 SMR001834224 PubChem CID : 44486341		0.55 (in 3 replicates)	0.49	0.977				Total number of assays tested in: 227. Active in the following assays: <ul style="list-style-type: none"> S100A4: HTS Measured in Biochemical System Using Plate Reader - 7045-01.Inhibitor.SinglePoint.HTS.Activity (AID 652163)
BRD-K38862476-001-01-7 PubChem CID : 54641220		0.79 (in 2 replicates)	0.49	NA				Total number of assays tested in: 39.
BRD-K65981470-001-01-7 PubChem CID : 54645815		0.53 (in 2 replicates)	0.48	0.660				Total number of assays tested in: 42.
BRD-K82628290-001-01-1 PubChem CID : 54638045		0.66 (in 3 replicates)	0.47	NA				Total number of assays tested in: 42. Active in the following assays: <ul style="list-style-type: none"> Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader (AID 1159554) Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-01.Inhibitor.Dose.DryPowder.Activity (AID 1159566) Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-05.Inhibitor.Dose.CherryPick.Activity (AID 1159567) HepG2 cytotoxicity counterscreen Measured in Cell-Based System Using Plate Reader - 2153-03.Inhibitor.Dose.DryPowder.Activity (AID 1159569) Plasmodium falciparum 3D7-ScDHODH Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-02.Inhibitor.Dose.DryPowder.Activity (AID 1159570) Plasmodium falciparum PINITD609-resistant ATP4 D1247Y Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-11.Inhibitor.Dose.DryPowder.Activity (AID 1159571)
BRD-K15234779-001-01-0 PubChem CID : 44489816		0.57 (in 3 replicates)	-0.63	0.815				Total number of assays tested in: 50.
BRD-K36559317-001-05-5 AC1LD9JP MLS000030586 HMS2409K08 ASN 03157167 SMR000002065 PubChem CID : 644574		NA (in 1 replicates)	-0.61	NA				Total number of assays tested in: 773. Active in the following assays: <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) Profiling the NIH Molecular Libraries Small Molecule Repository: Autofluorescence at 339/460 nm (AID 709) qHTS Assay for Inhibitors of HADH2 (Hydroxycy)l-Coenzyme A Dehydrogenase, Type II) (AID 886) qHTS Assay for Inhibitors of HSD17B4, hydroxysteroid (17-beta) dehydrogenase 4 (AID 893) MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 48 hour incubation (AID 504832) Fluorescence-based biochemical primary high throughput screening assay to identify inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 588726) qHTS of Nrf2 Activators (AID 624171) Fluorescence-based biochemical high throughput confirmation assay for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis (AID 651616) qHTS of TDP-43 Inhibitors (AID 652104) Counterscreen for inhibitors of the fructose-bisphosphate aldolase (FBA) of M. tuberculosis: Fluorescence-based biochemical high throughput Glycophosphate Dehydrogenase Triosephosphate Isomerase (GDH-TPI) assay to identify assay artifacts (AID 652141)

BRD-K56300782-001-01-4 PubChem CID : 54641200		NA (in 1 replicates)	-0.58	NA				Total number of assays tested in: 37.
BRD-K90151990-001-06-6 MLS000662211 SMR000293640 F2798-0020 ZINC01110821 AC1LPLEJ BDBM57814 HMS2658J20 ZINC1110821 STL270203 PubChem CID : 1289321		0.56 (in 4 replicates)	-0.58	0.856				<p>Total number of assays tested in: 621. Active in the following assays:</p> <ul style="list-style-type: none"> MLPCN Streptokinase Expression Inhibition (AID 1662) Luminescence Microorganism-Based Dose Confirmation HTS to Identify Compounds Cytotoxic to SK(-)GAS Group A Streptococcus (AID 1900) Luminescence Microorganism-Based Dose Confirmation HTS to Identify Inhibitors of Streptokinase Promotor Activity (AID 1902) Luminescence Microorganism-Based Dose Response HTS to Identify Compounds Cytotoxic to Streptococcus (AID 1915)
BRD-K54662875-001-01-7 PubChem CID : 54641260		NA (in 1 replicates)	-0.56	NA				Total number of assays tested in: 39.
BRD-K85882511-015-05-5 AC1MGEUN Ambcb7869513 MLS001367868 HMS2737O17 SMR000275586 PubChem CID : 2959956		NA (in 1 replicates)	-0.56	NA				<p>Total number of assays tested in: 613. Active in the following assays:</p> <ul style="list-style-type: none"> Leishmania major promastigote HTS (AID 1063) nHTS identification of small molecule inhibitors of Plasmodium falciparum Glucose-6-phosphate dehydrogenase via a fluorescence intensity assay (AID 504600) qHTS for Inhibitors of Inflammation Signaling: IL1-beta AlphaLISA Primary Screen (AID 743279)
BRD-K18880161-001-05-4 SMR000023412 MLS000087189 ST50674670 AC1MMKUE MLS001367868 BDBM37295 HMS2454P24 ZINC4100040 ZINC04100040 PubChem CID : 3240323		NA (in 1 replicates)	-0.55	NA				<p>Total number of assays tested in: 779. Active in the following assays:</p> <ul style="list-style-type: none"> Fluorescent HTS Cytotoxicity/Cell viability assay (HPDE-C7 cells) (AID 430) qHTS Assay for Spectroscopic Profiling in 4-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 330/460 nm (AID 709) qHTS Assay for Inhibitors of HSD17B4, hydroxysteroid (17-beta) dehydrogenase 4 (AID 893) HTS using DiI-HDL to assay lipid transfer in JldA[SR-BI] cells Measured in Cell-Based System Using Plate Reader - 2085-01 Inhibitor SinglePoint.HTS Activity (AID 488896) qHTS screen for small molecules that inhibit ELG1-dependent DNA repair in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504467) Primary qHTS for delayed death inhibitors of the malarial parasite plasid, 48 hour incubation (AID 504832) Counter-screen of compound fluorescence effects on High-throughput multiplex microsphere screening for inhibitors of toxin protease (AID 624483) qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820) High Throughput Screening for Foot and Mouth Disease Virus Antivirals (AID 1159524)
BRD-K37037521-001-01-2 PubChem CID : 54641105		NA (in 1 replicates)	-0.55	NA				<p>Total number of assays tested in: 38. Active in the following assays:</p> <ul style="list-style-type: none"> Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01 Inhibitor SinglePoint.HTS Activity (AID 602342) Small molecule inhibitors of miR122 Measured in Cell-Based System Using Plate Reader - 2144-01 Inhibitor Dose-CherryPick Activity (AID 652053)
BRD-A76935636-001-05-4 SBB018443 MLS000099001 AC1MH9ZK HMS2319L21 BBL015123 STK664101 SMR000062989 ST4129256 R2327 T0517-2252 PubChem CID : 2998630		NA (in 1 replicates)	-0.55	NA				<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) RNA aptamer-based HTS for inhibitors of GRK2 (AID 48847)

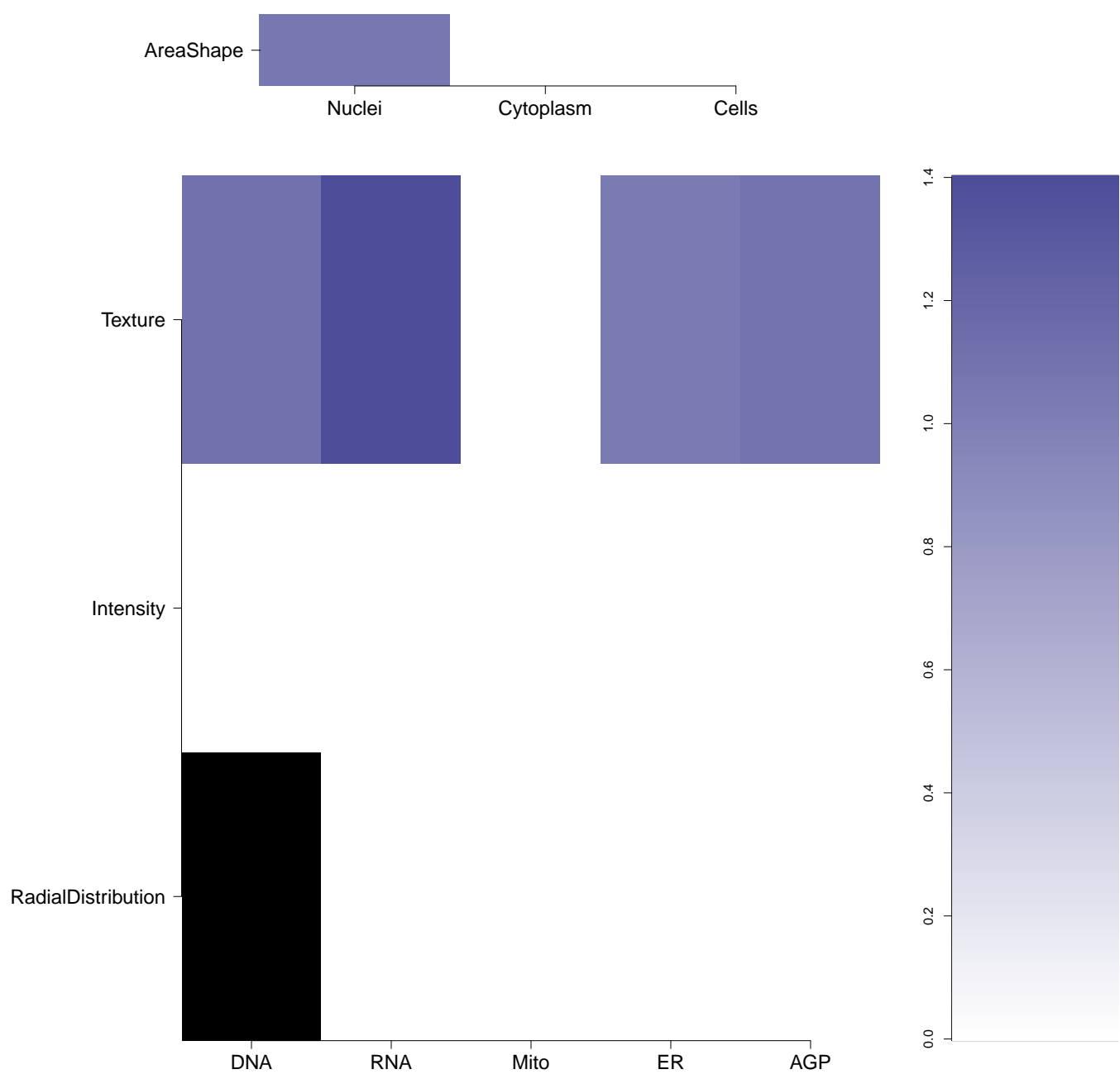
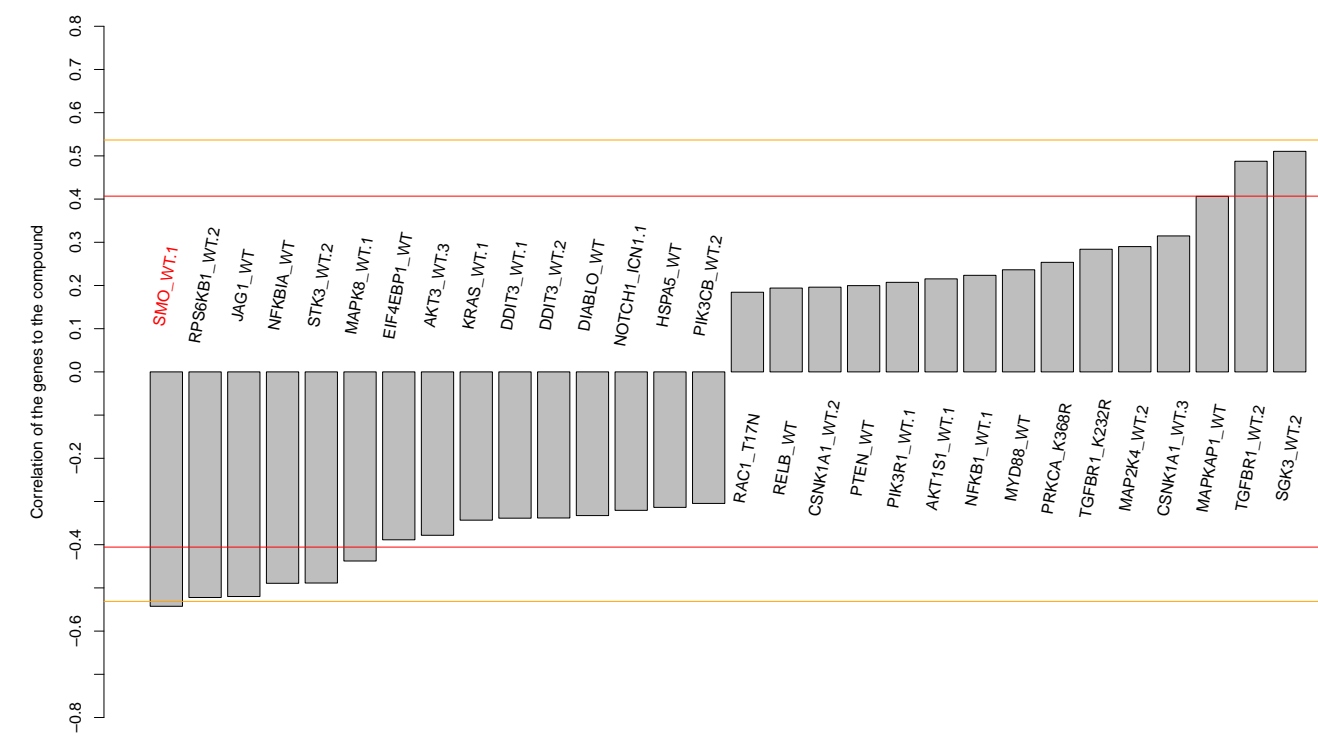
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F1386-0259
T0500-8534
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NA (in 1 replicates)

-0.54

NA



- Total number of assays tested in: 701. Active in the following assays:
- HTS for Estrogen Receptor-beta Coactivator Binding inhibitors (AID 633)
 - Screening for Modulators of Post-Golgi Transport, Control Strain (AID 738)
 - CYP2C9 Assay (AID 777)
 - CYP2C19 Assay (AID 778)
 - Inhibitors of Plasmodium falciparum M17-Family Leucine Aminopeptidase (M17LAP) (AID 1619)
 - Fluorescence Cell-Free Homogenous Primary HTS to Identify Inhibitors of RecA Intein Splicing Activity (AID 2221)
 - Fluorescence Cell-Free Homogenous Counter Screen to Identify Inhibitors of GFP Chromophore Formation (AID 434968)
 - Fluorescence Cell-Free Homogeneous Dose Retest to Identify Inhibitors of RecA-Intein Splicing Activity (AID 435010)
 - Fluorescence Cell-Free Homogeneous Secondary Screen to Identify Inhibitors of DnaB-Intein Splicing Activity (AID 449749)
 - Fluorescence Cell-Free Homogeneous Secondary Screen to Identify Non-Covalent Inhibitors of RecA-Intein Splicing Activity (AID 449750)