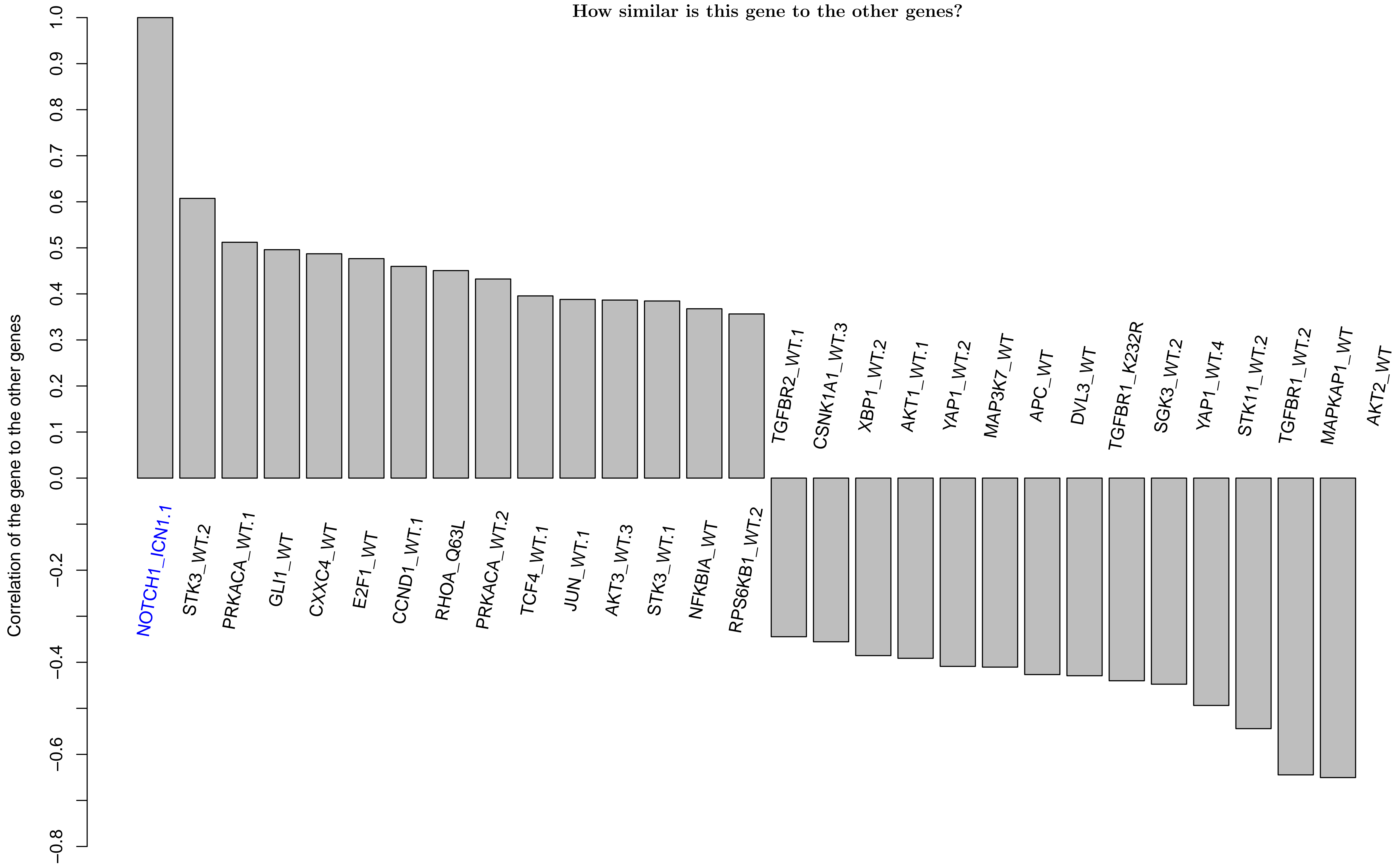
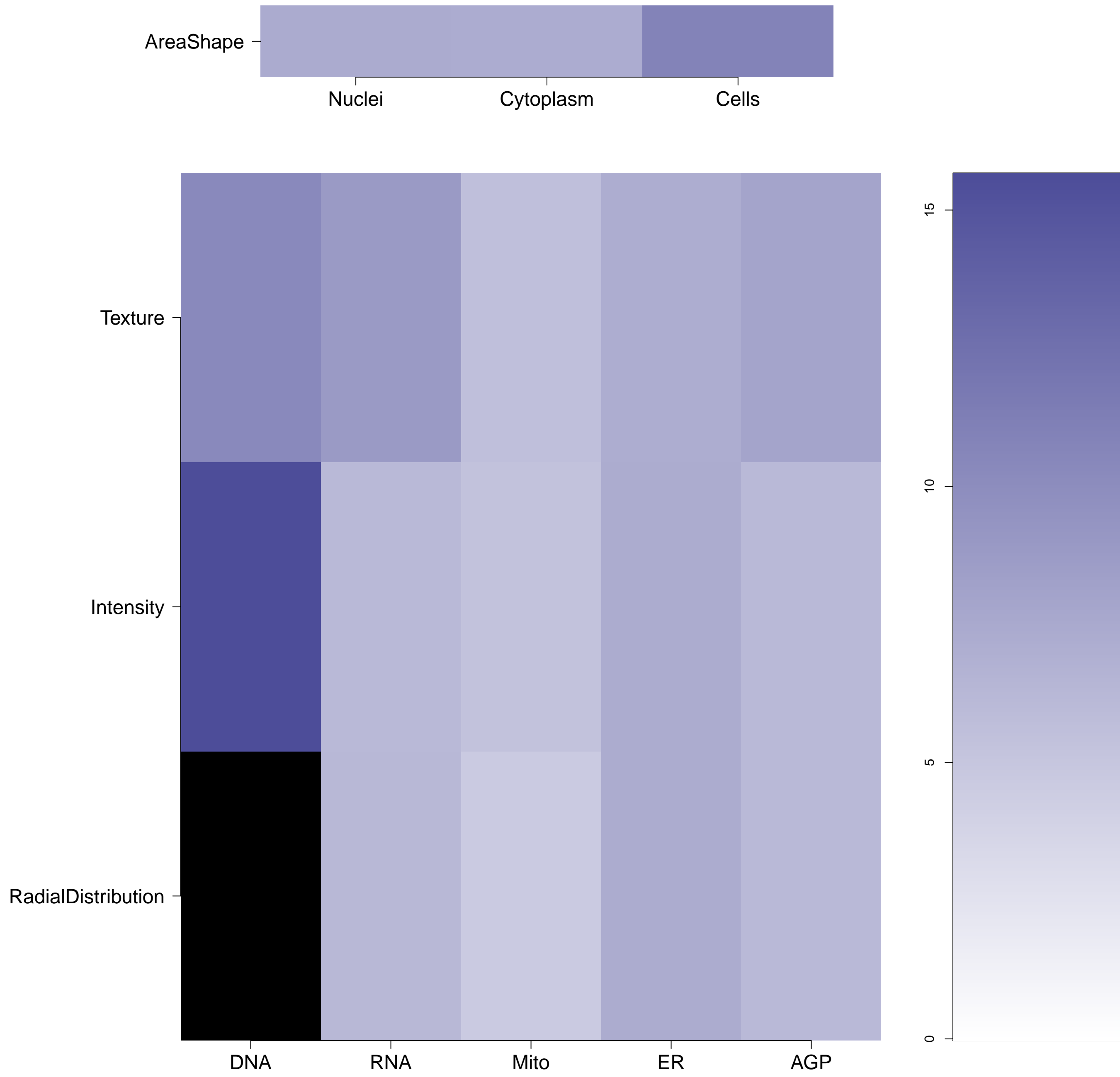


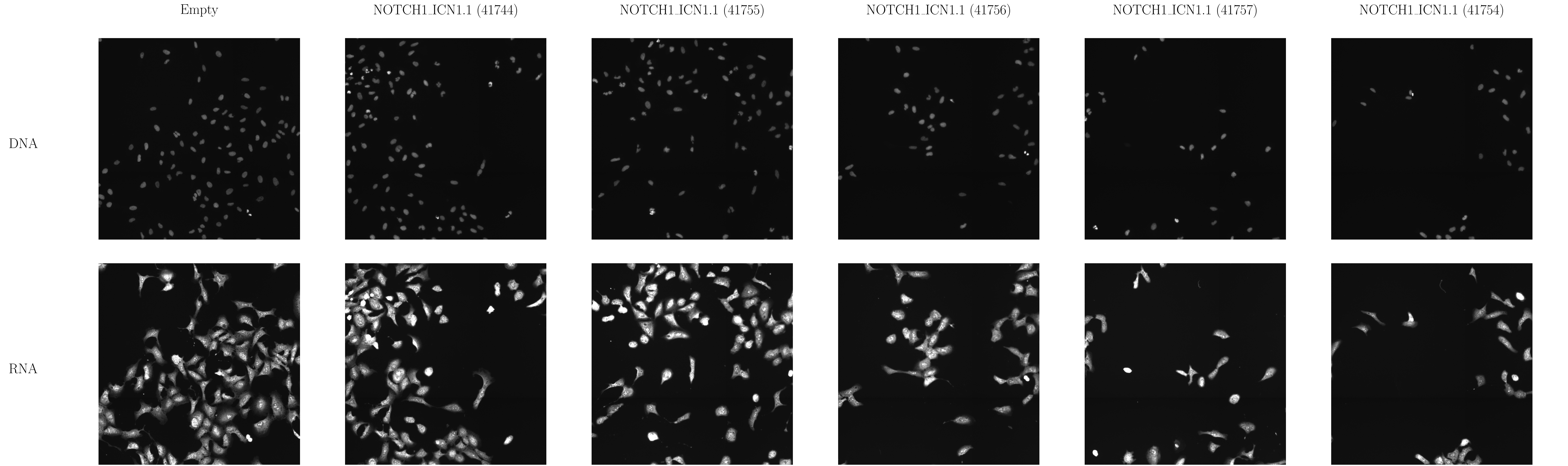
How similar is this gene to the other genes?



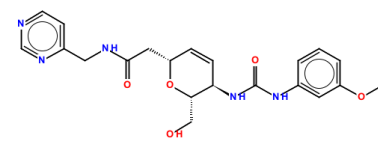
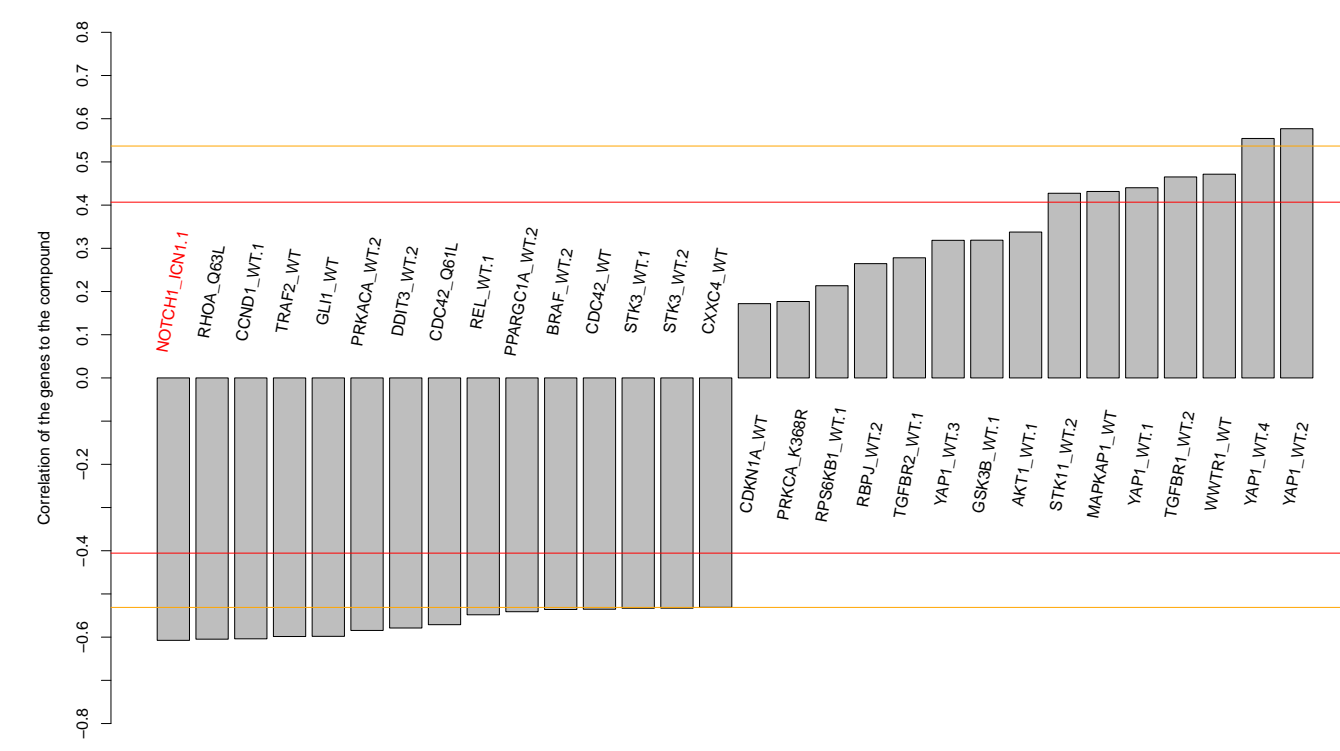
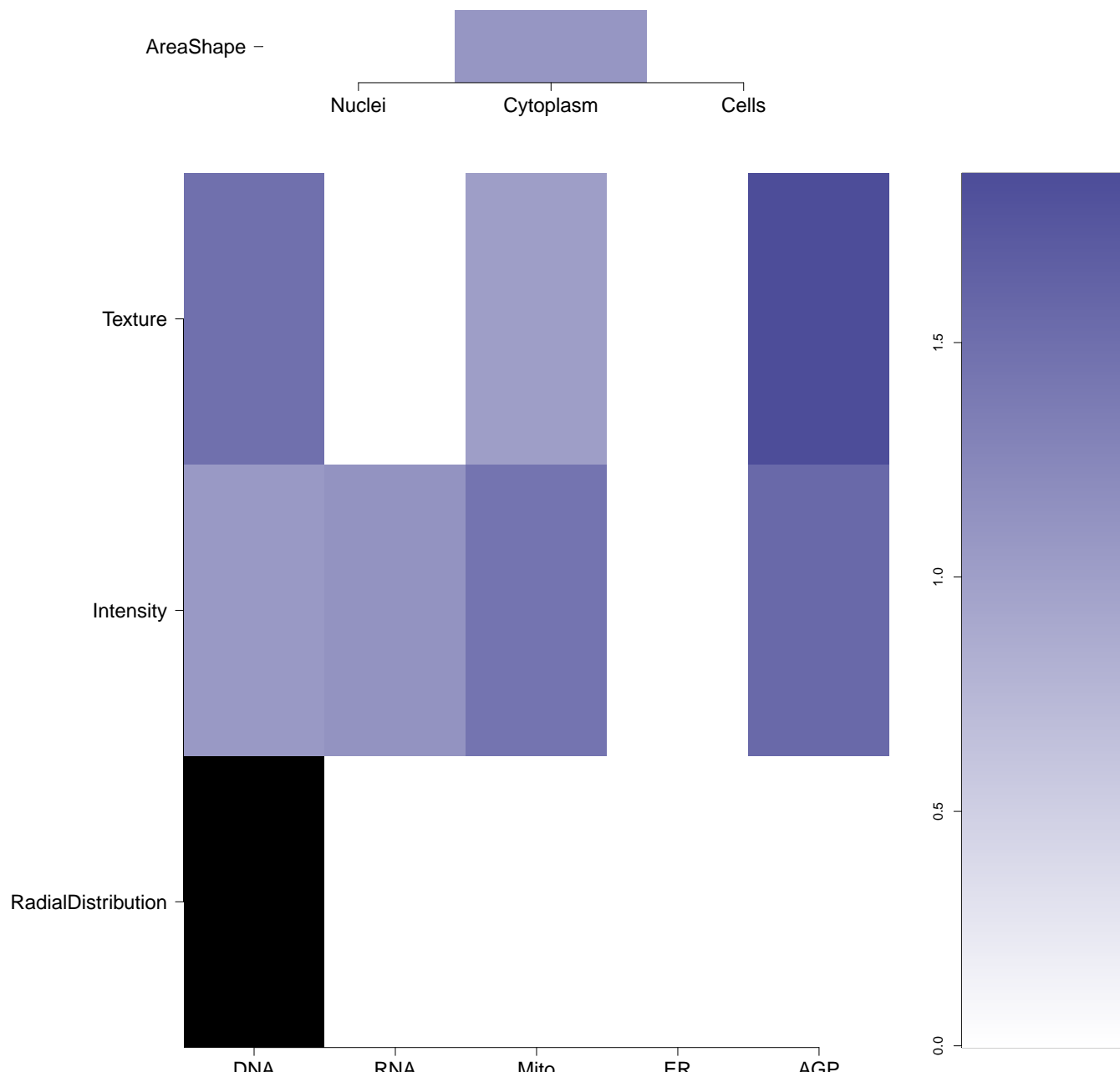

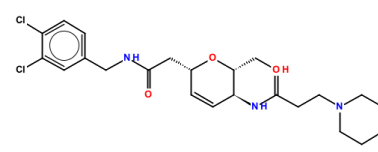
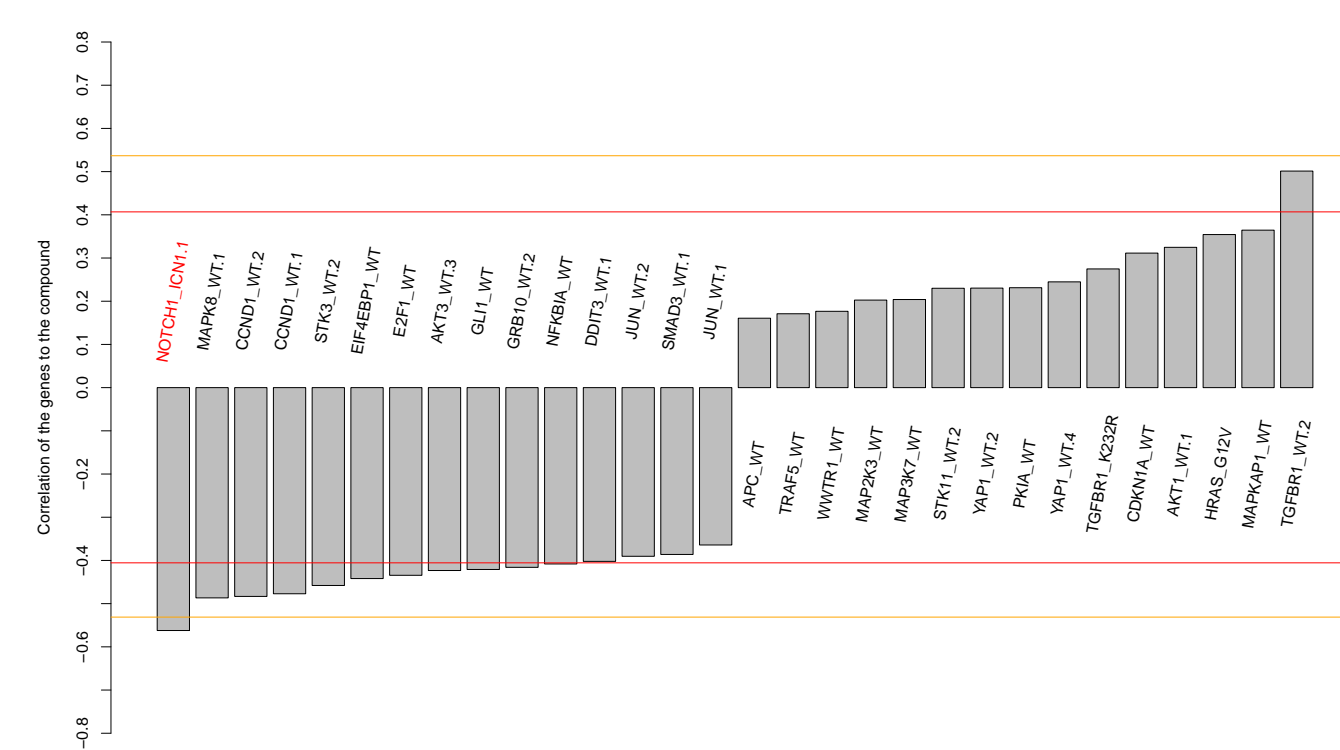
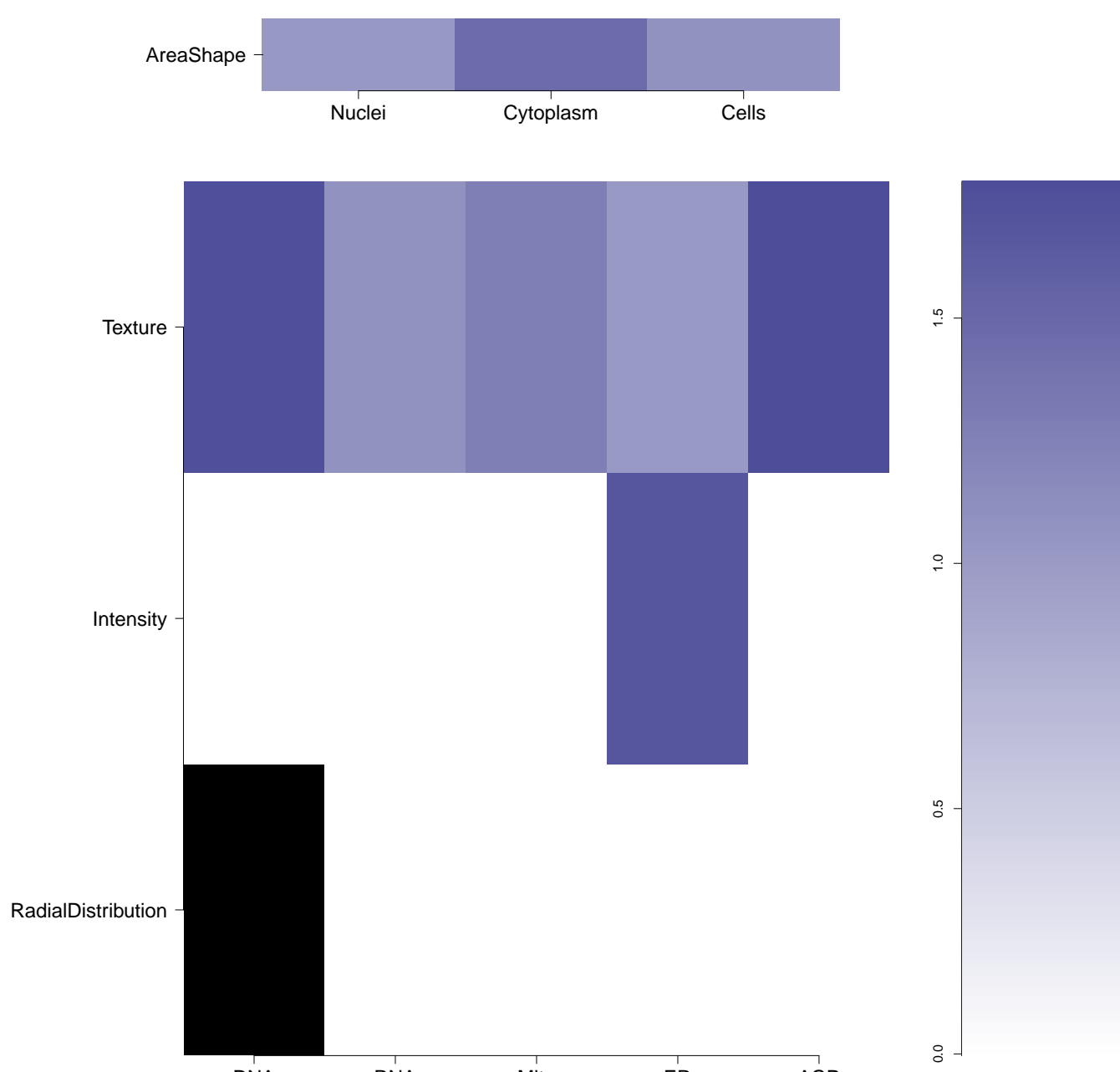
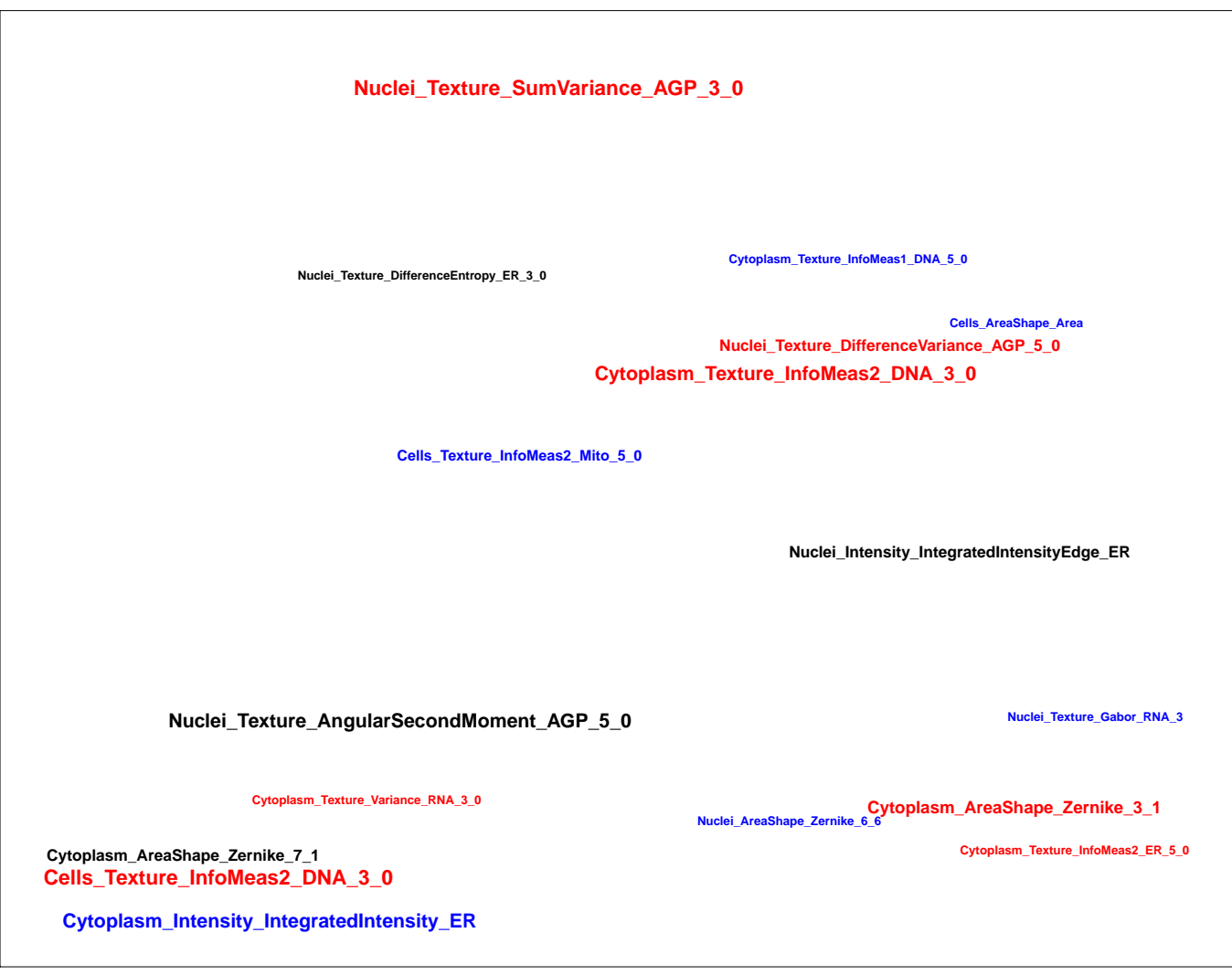
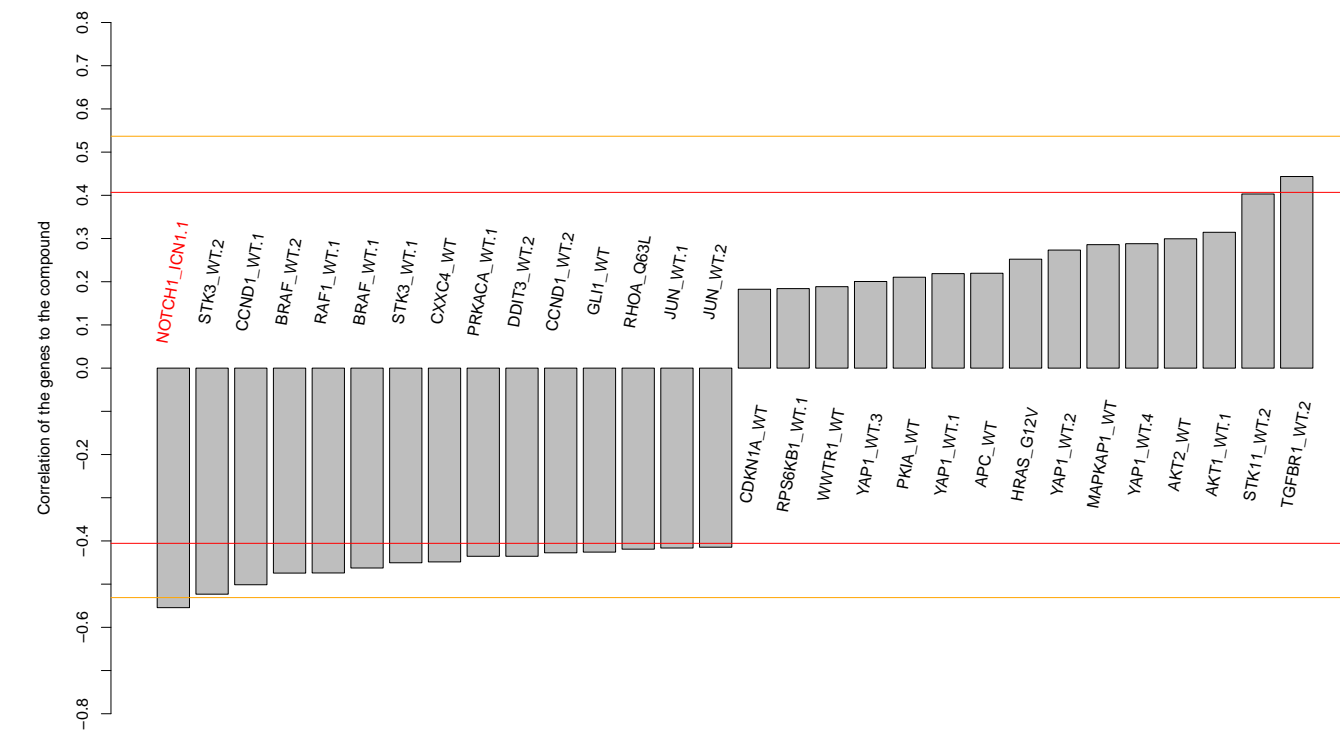
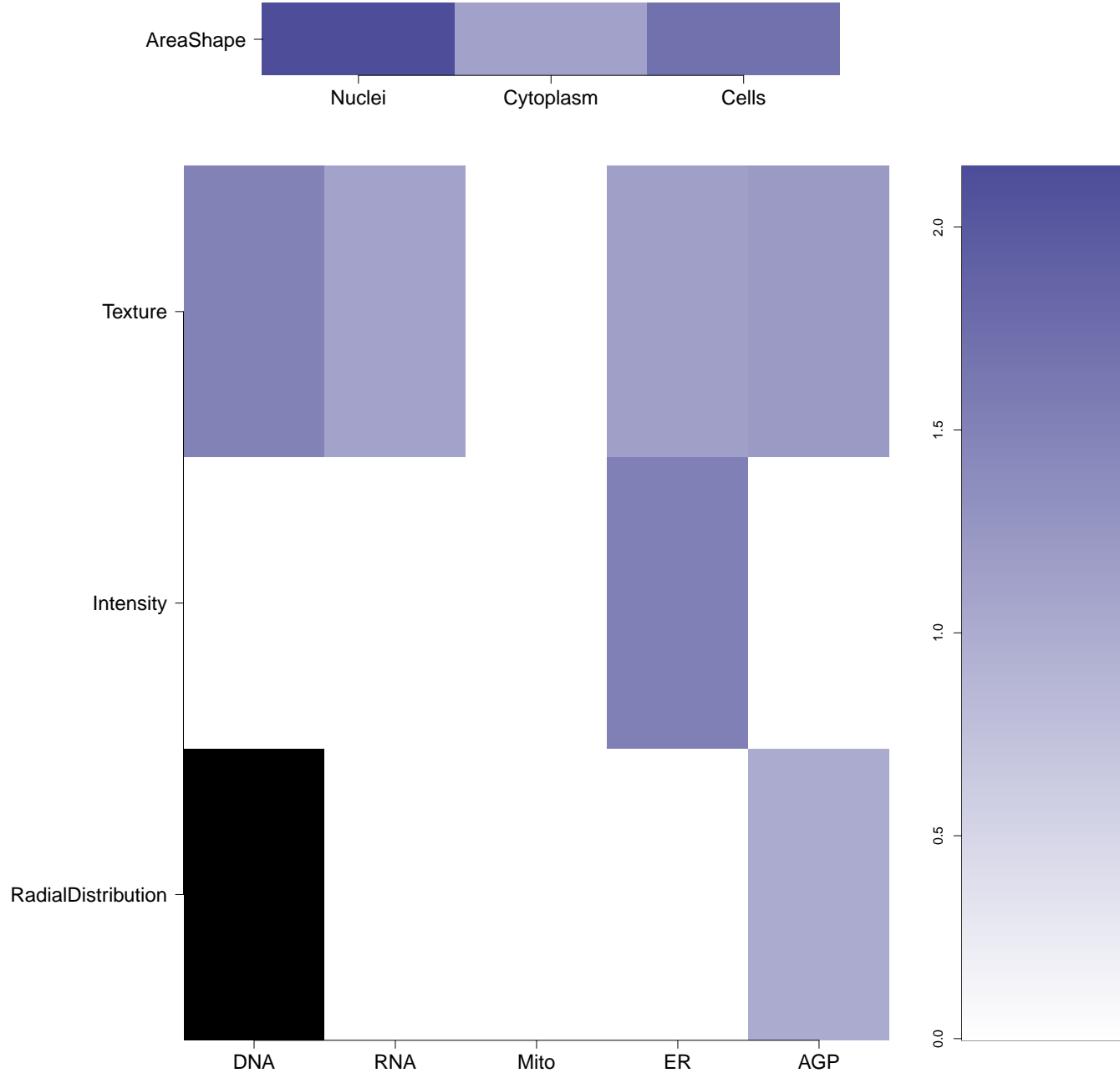

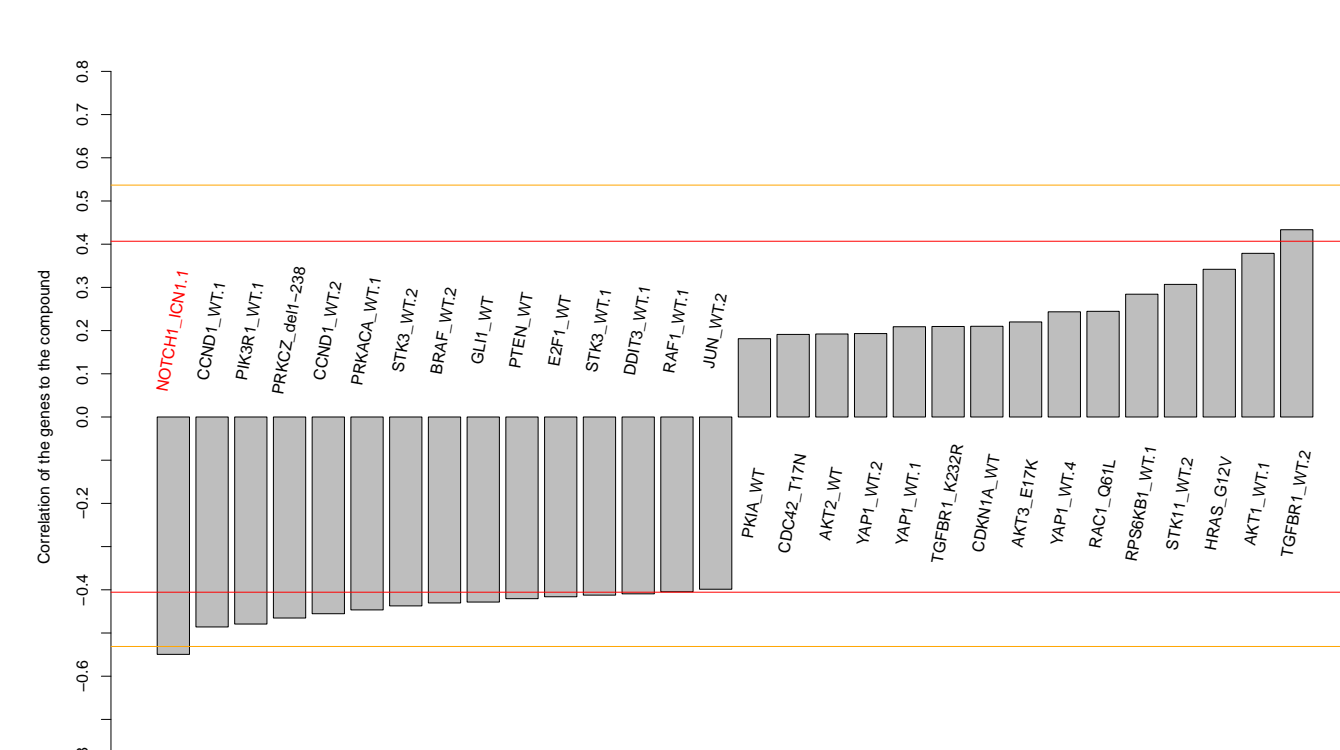
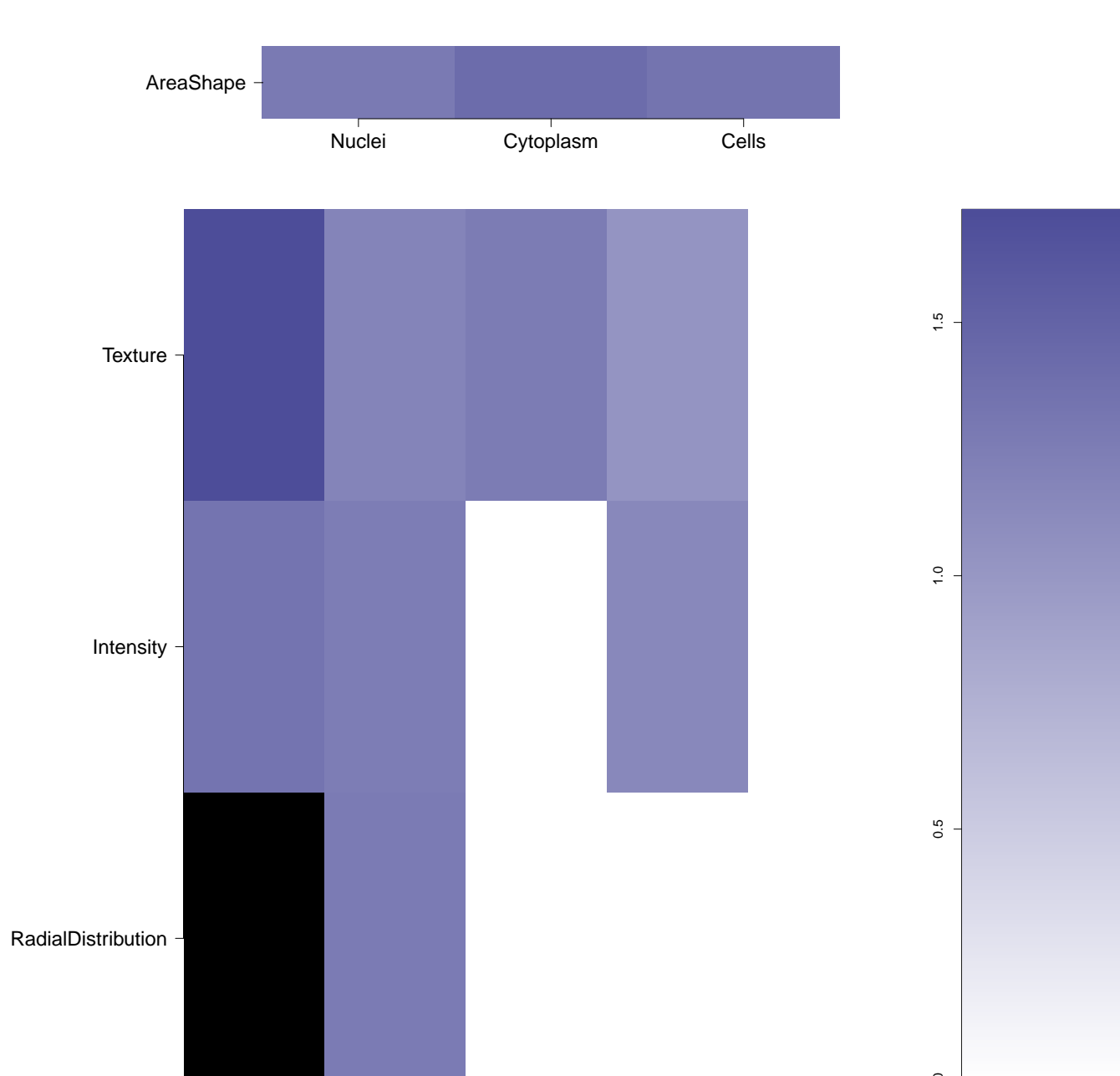
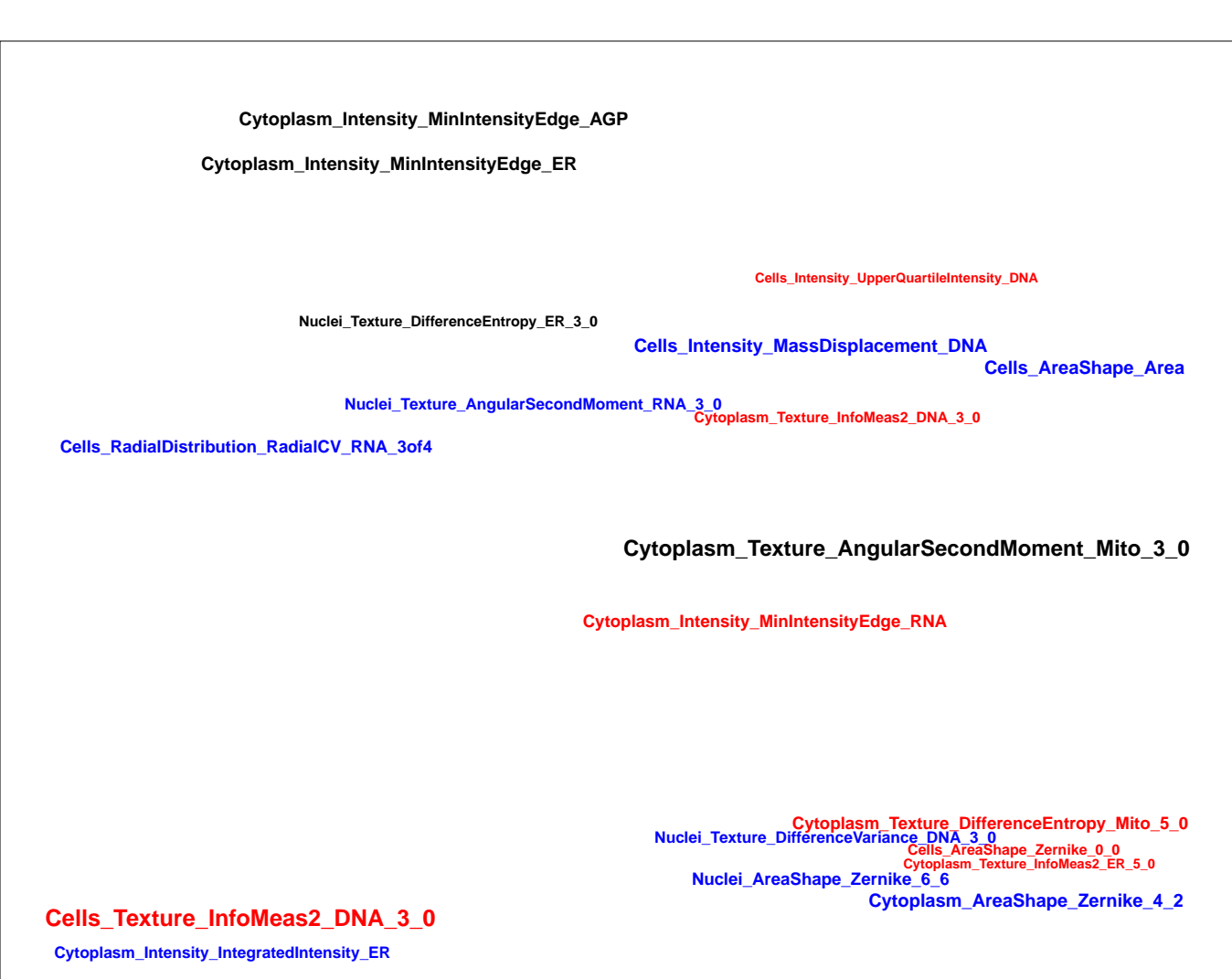
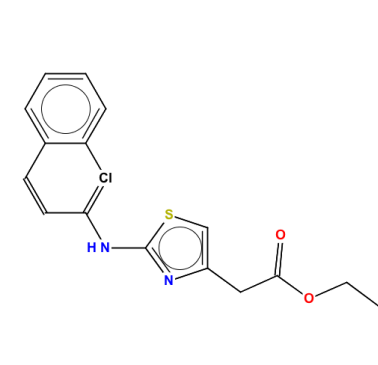
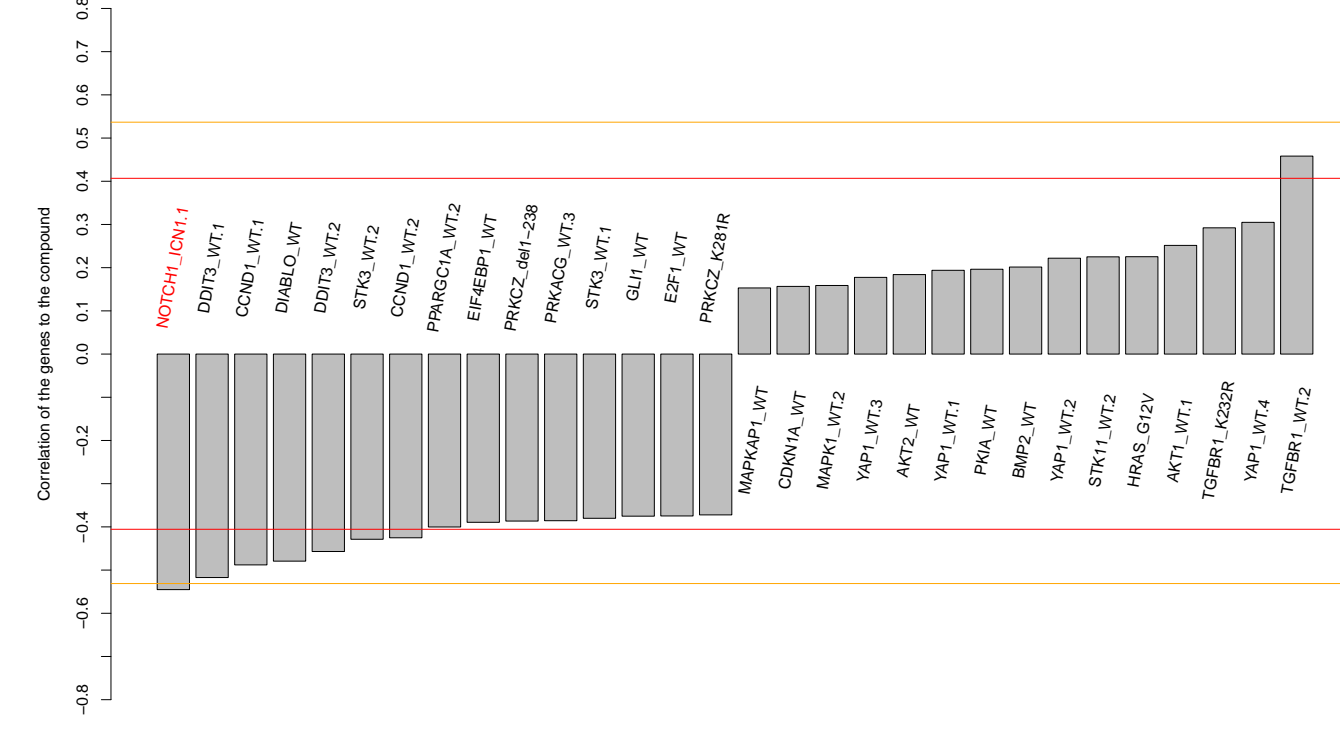
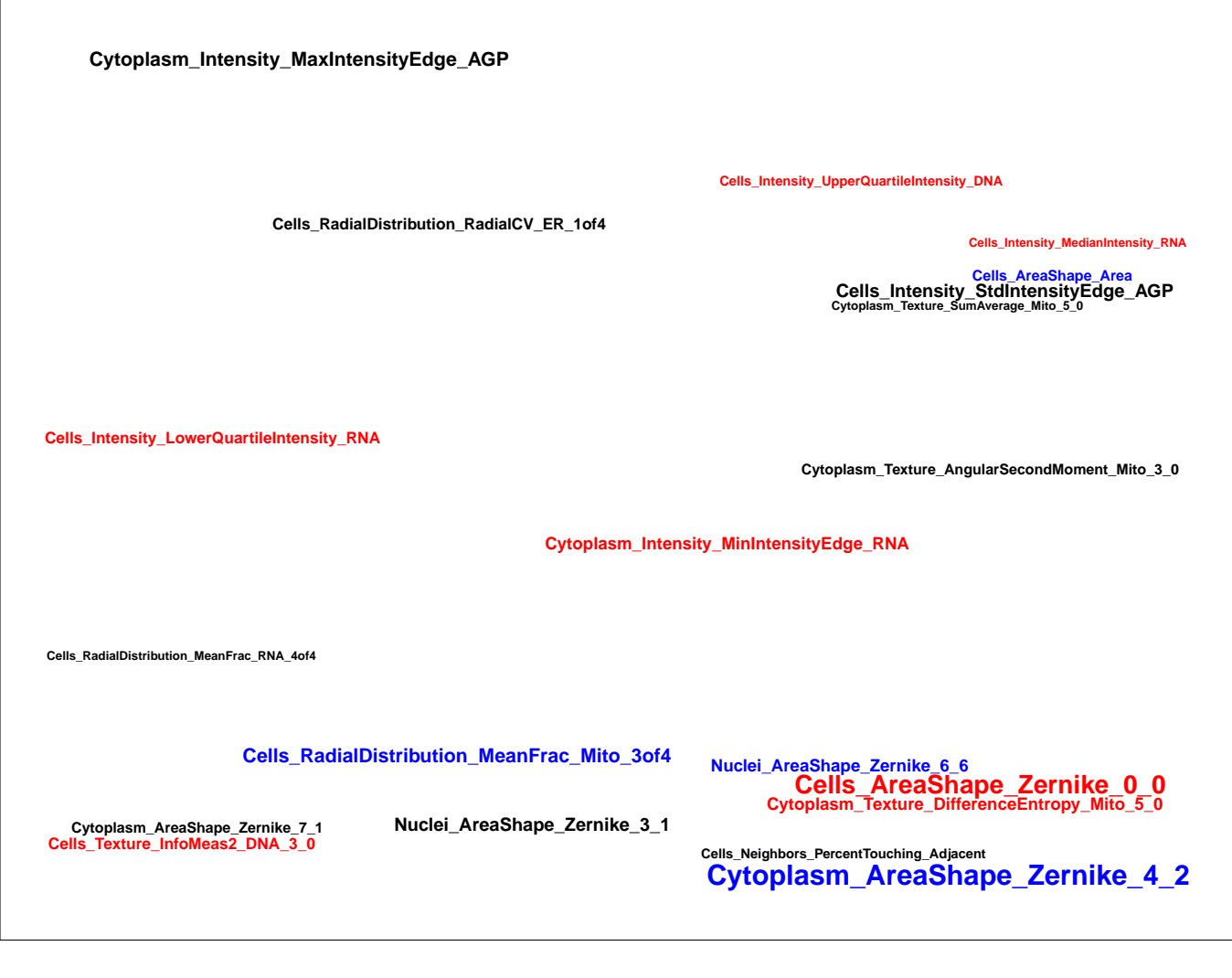
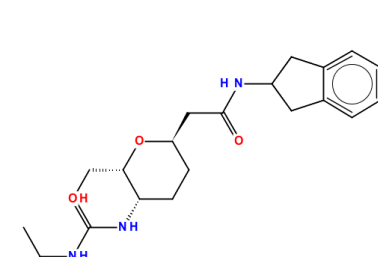
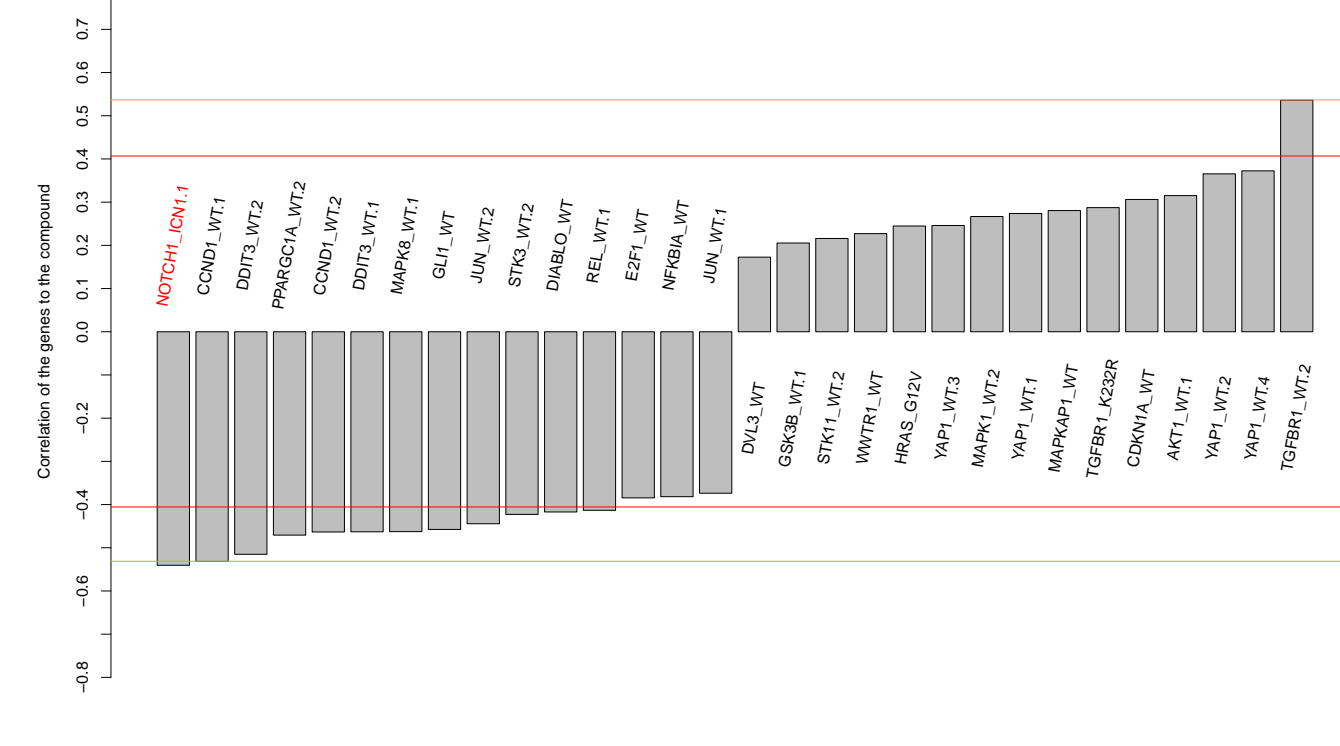
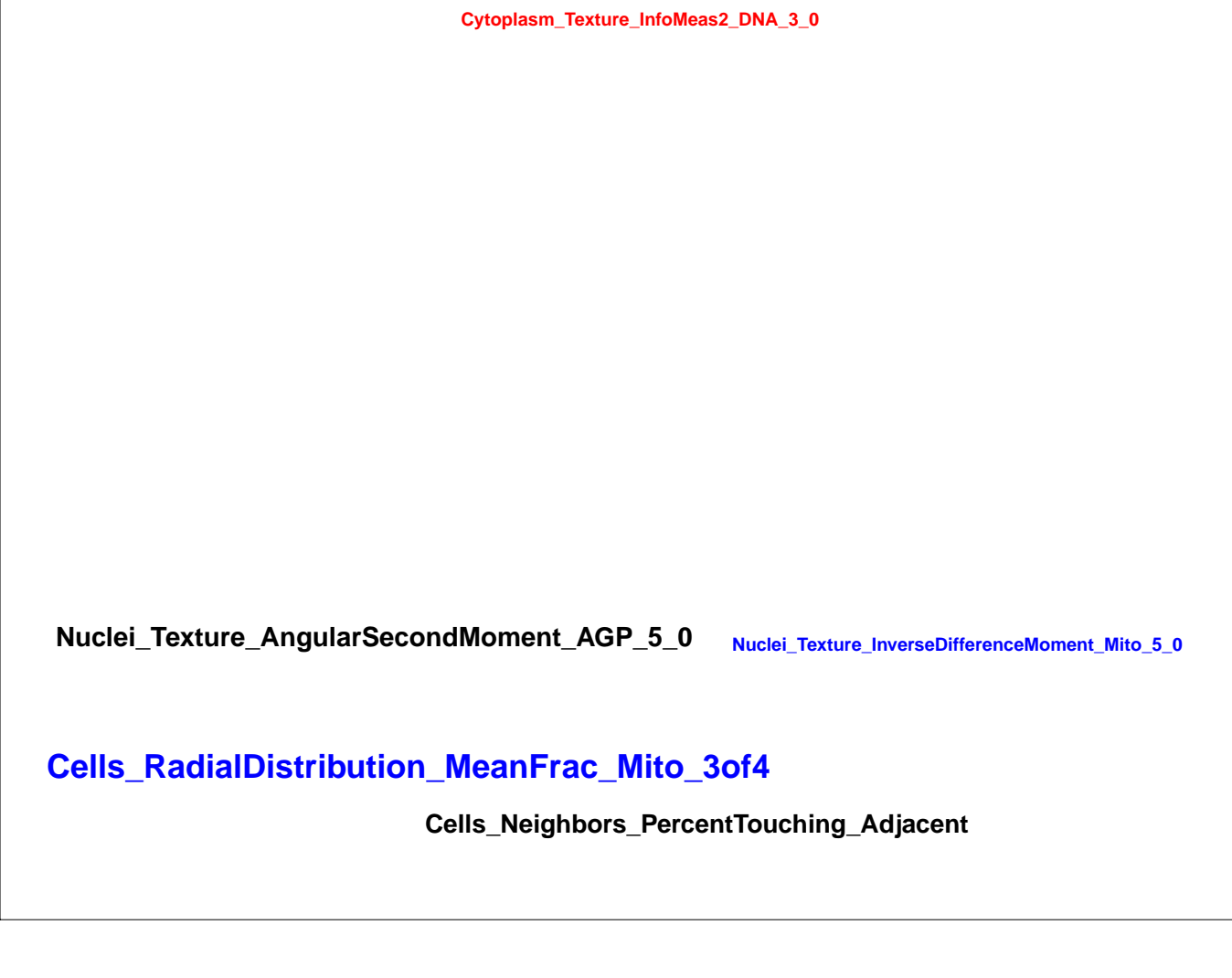
What groups of morphological features are distinguishing in the cluster relative to the untreated samples?
(maximum of absolute m-score for the features belonging to the same category; m-score defined as median of a feature z-score across genes in the cluster) Black means no feature is available in the category

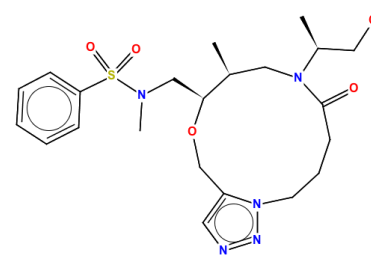
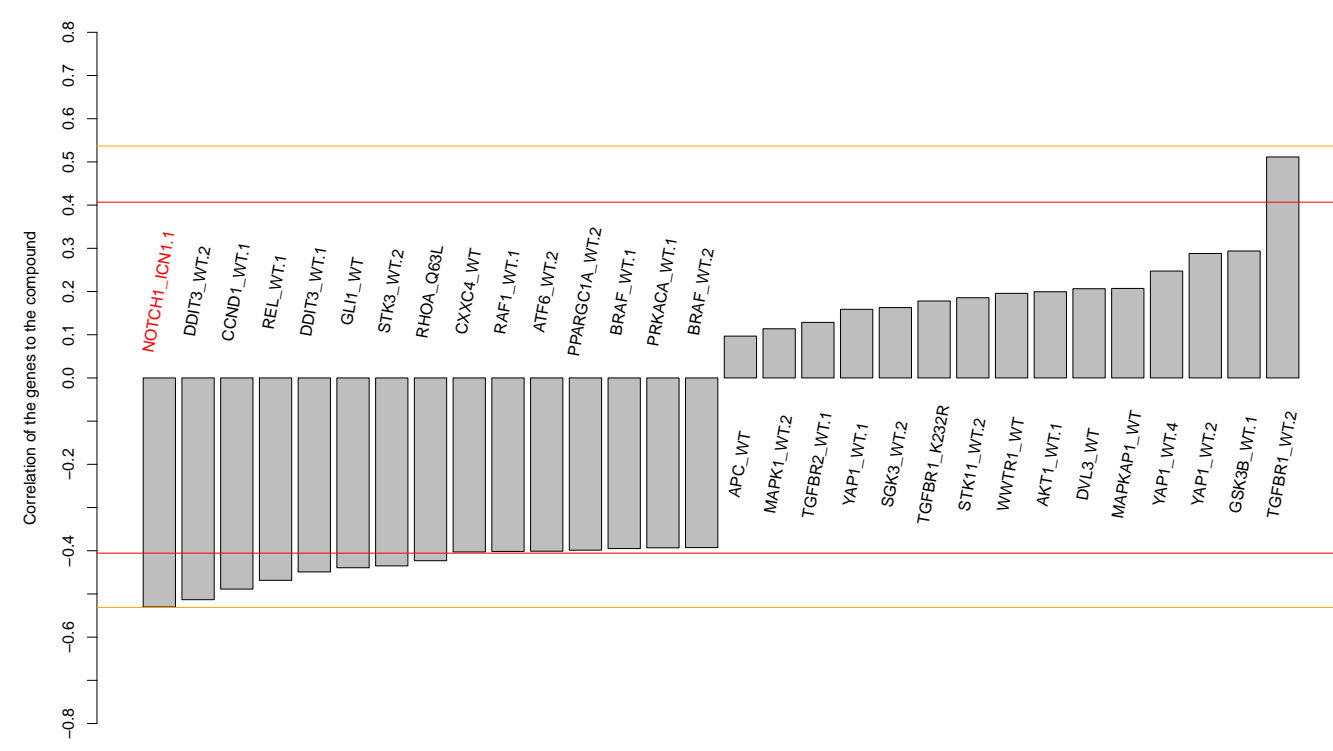
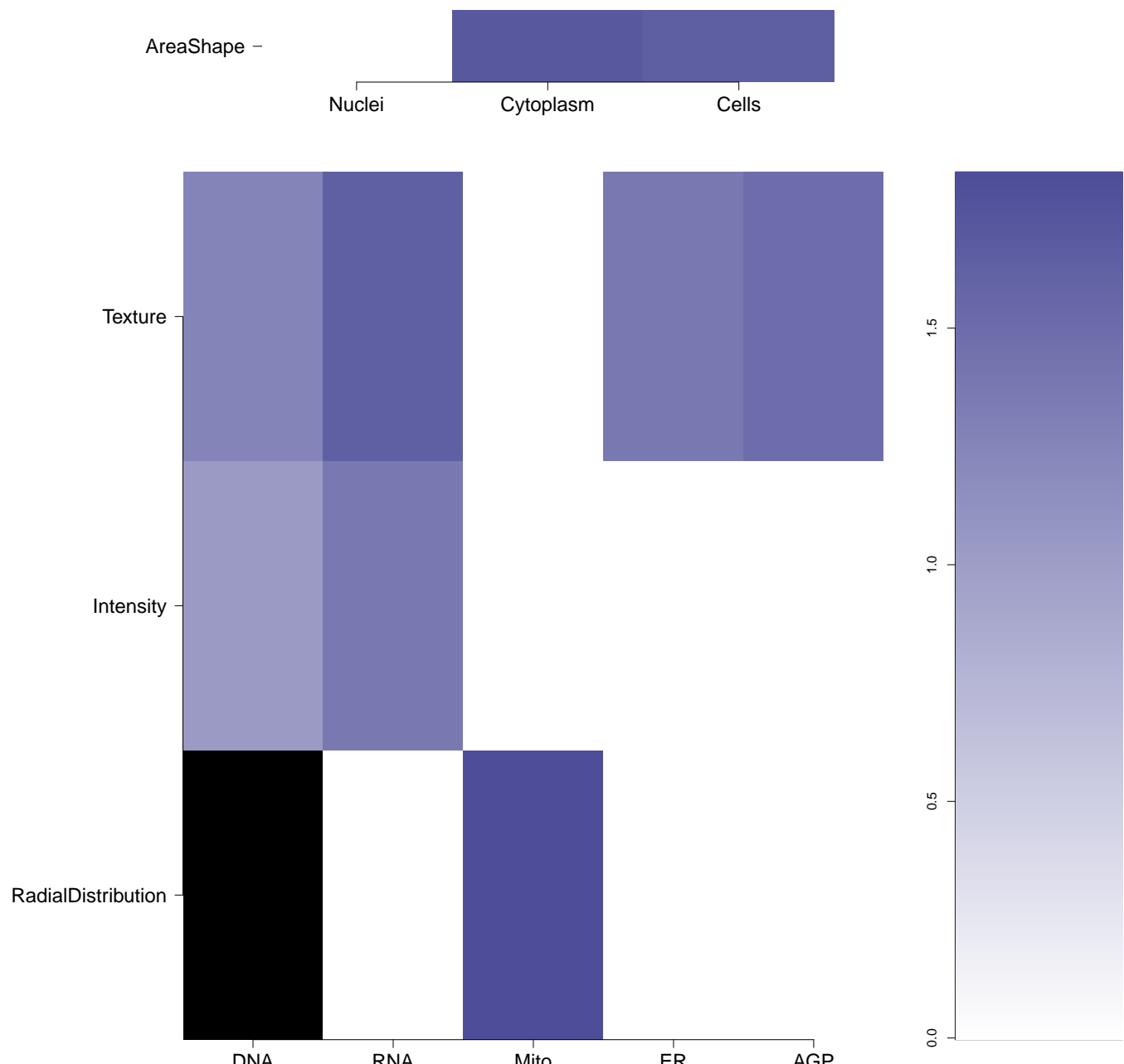

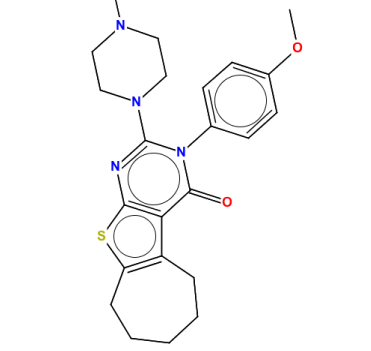
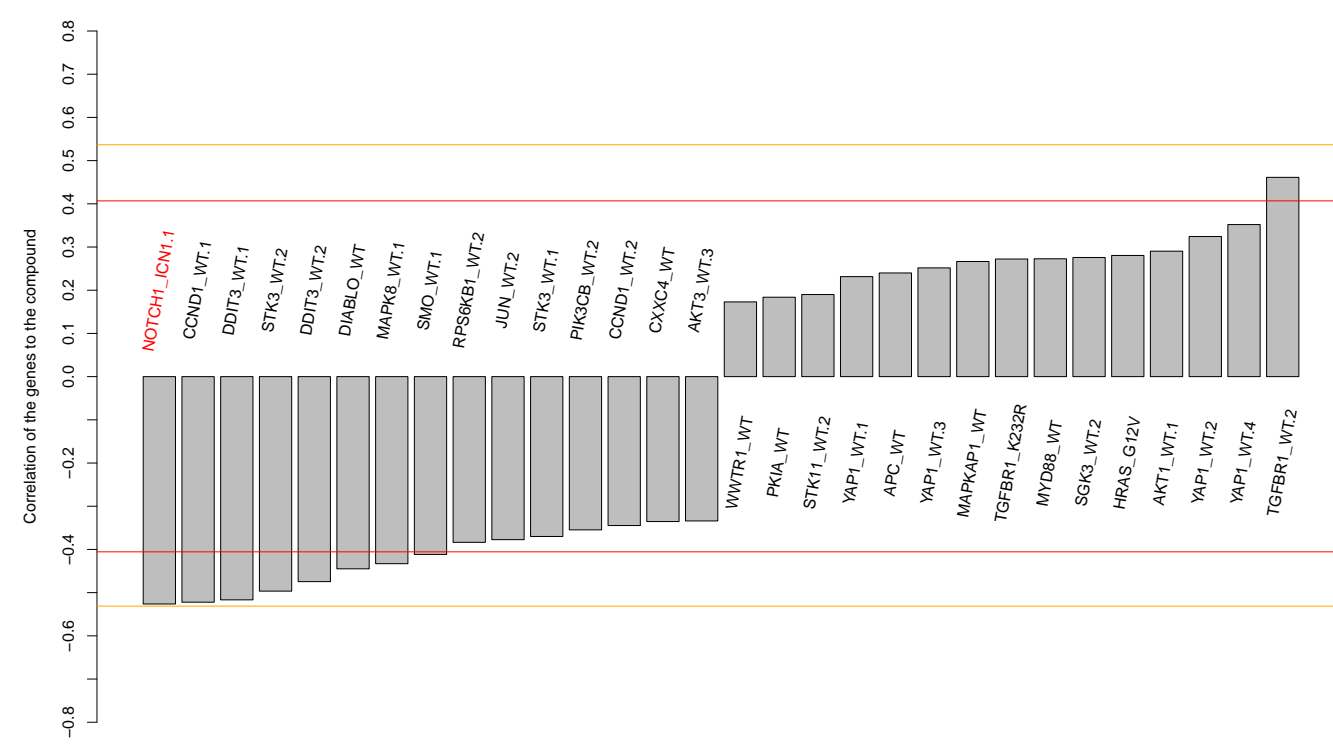
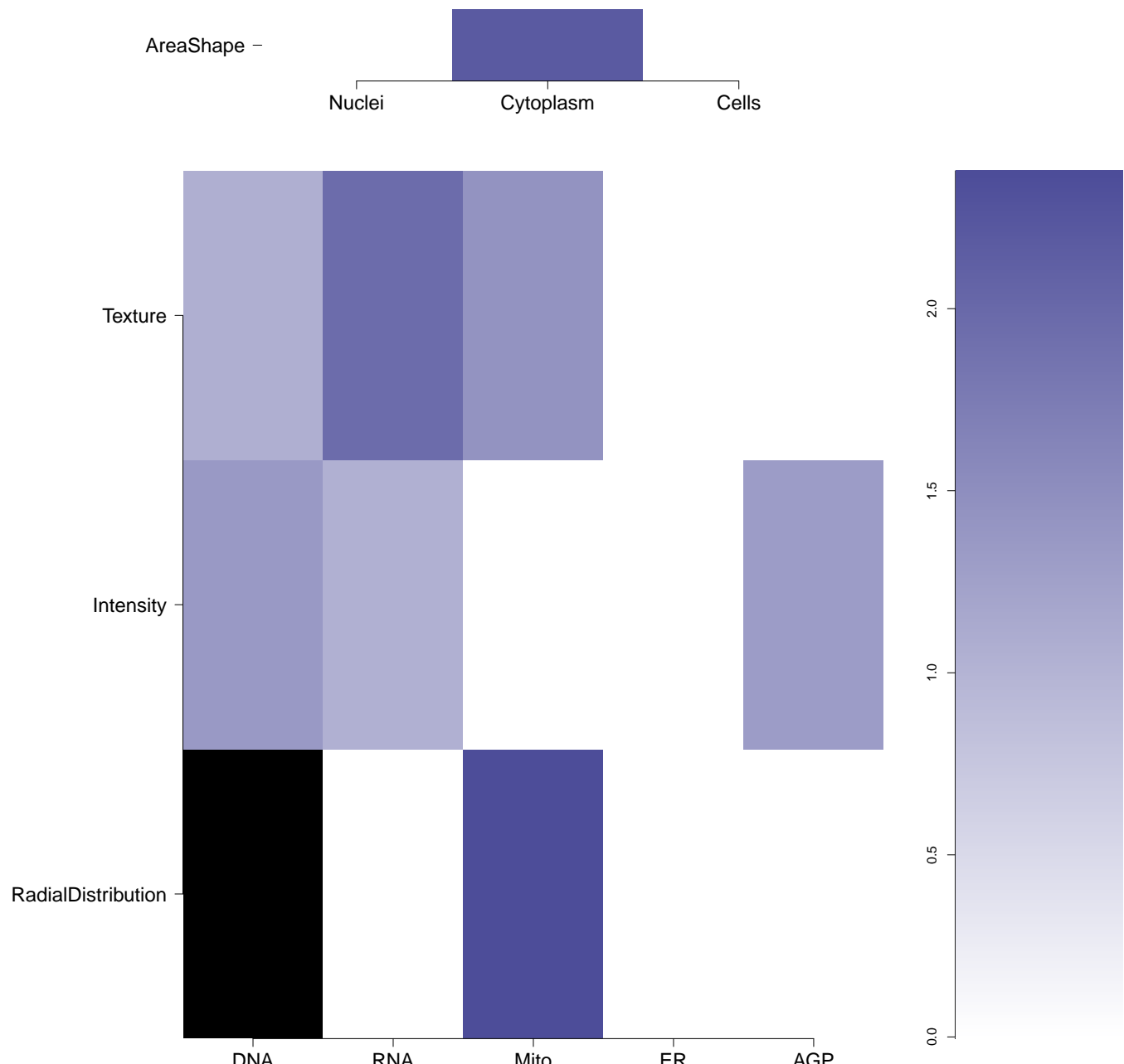
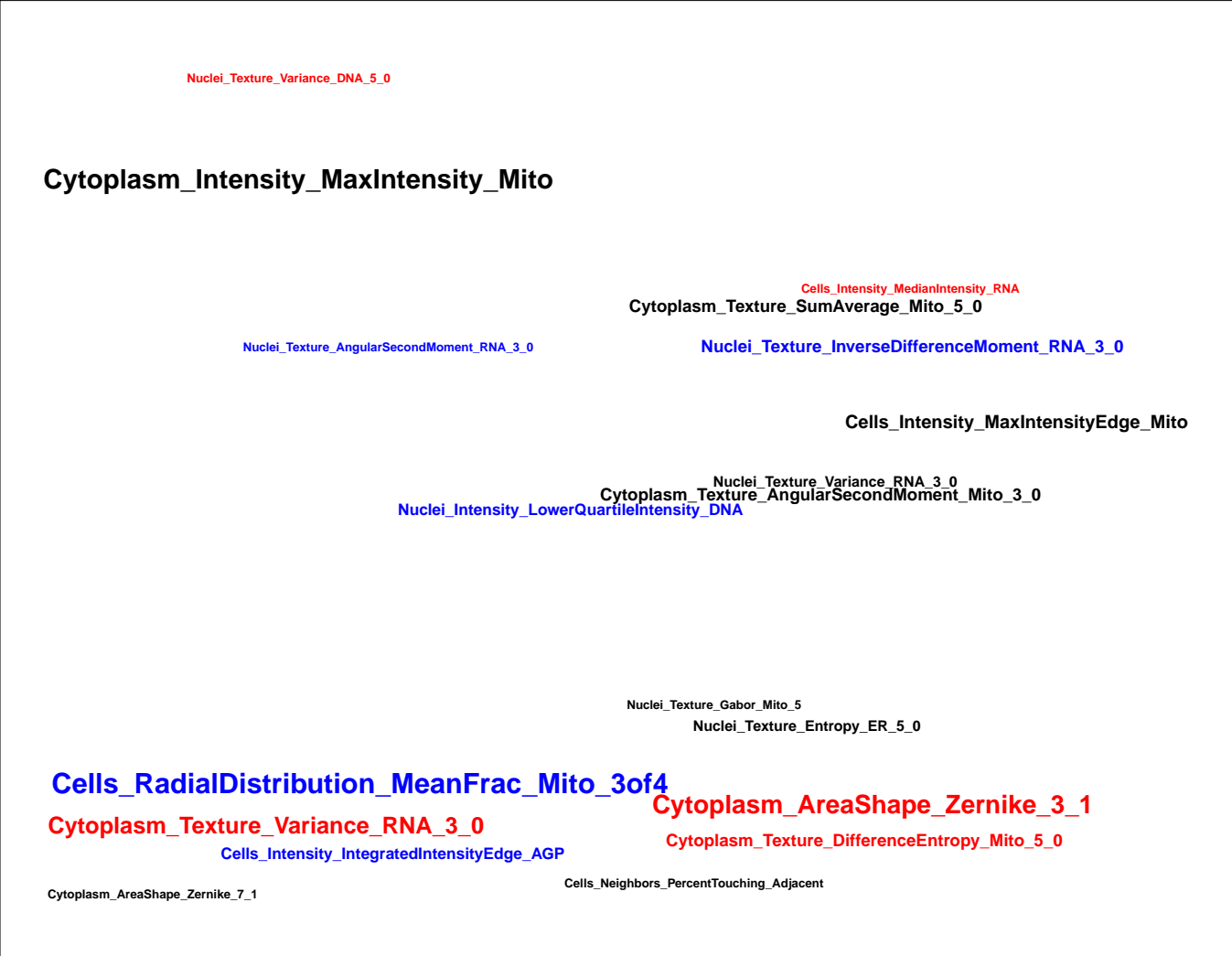
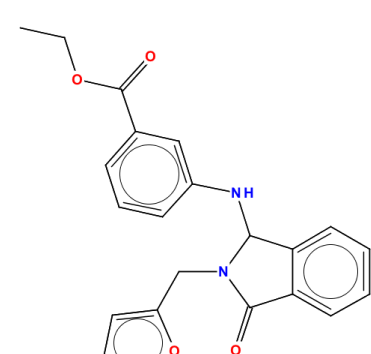
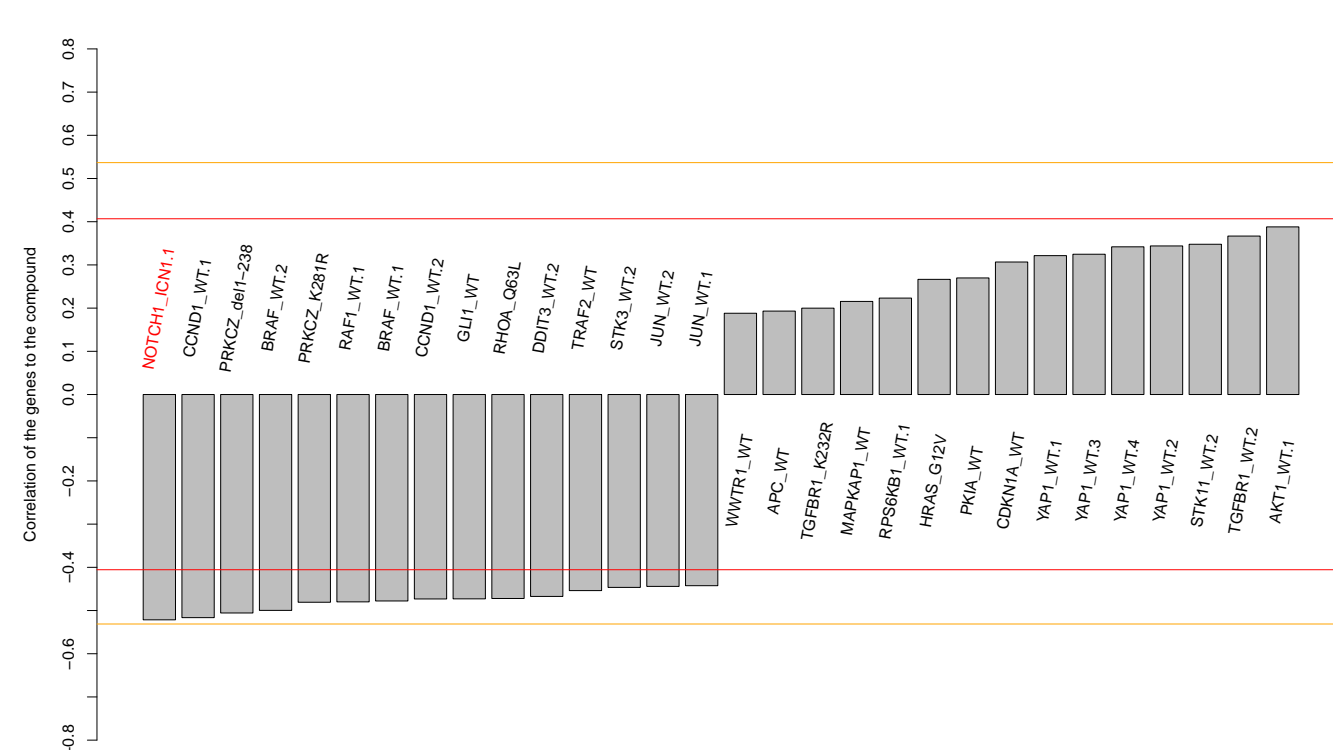
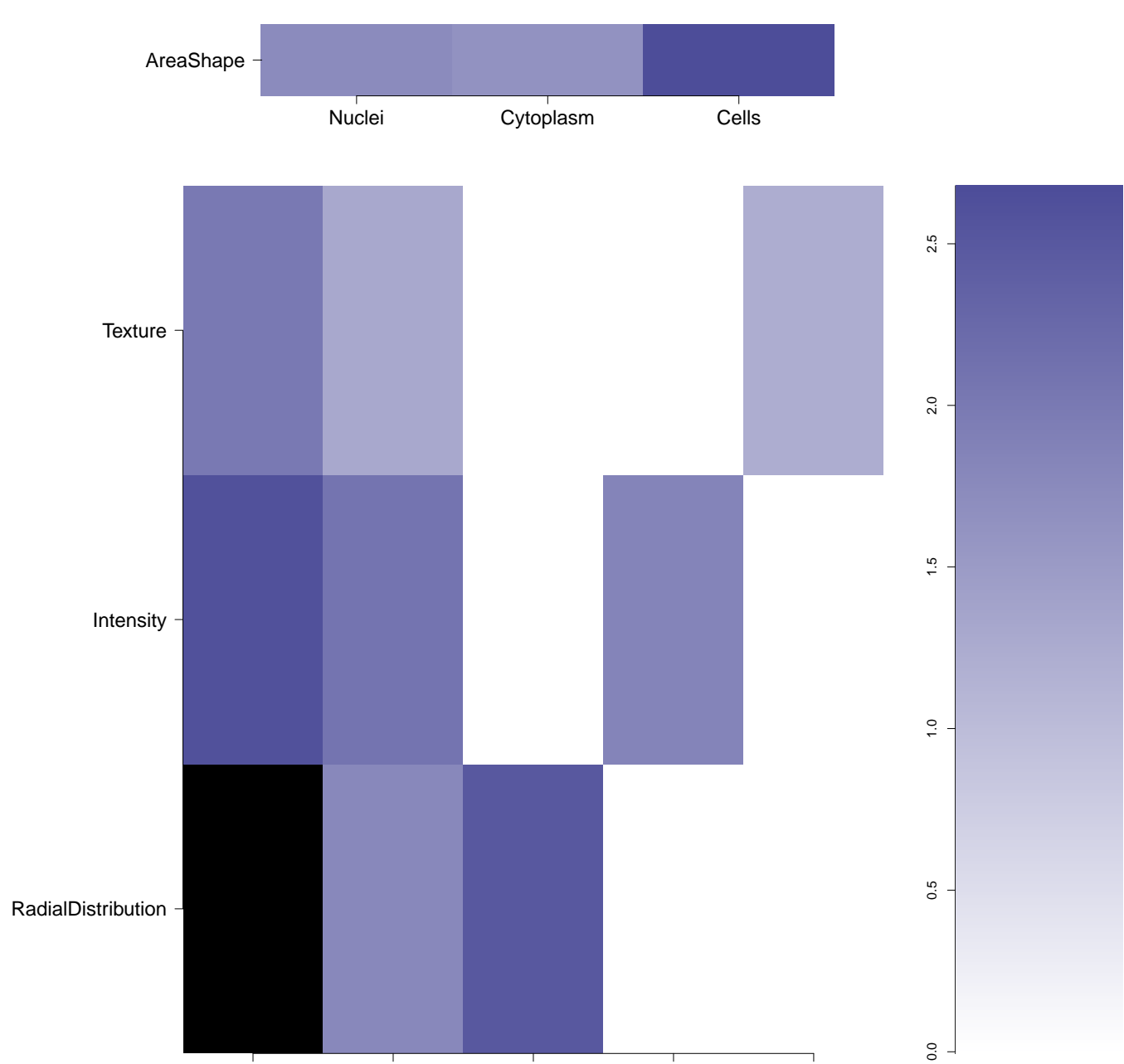
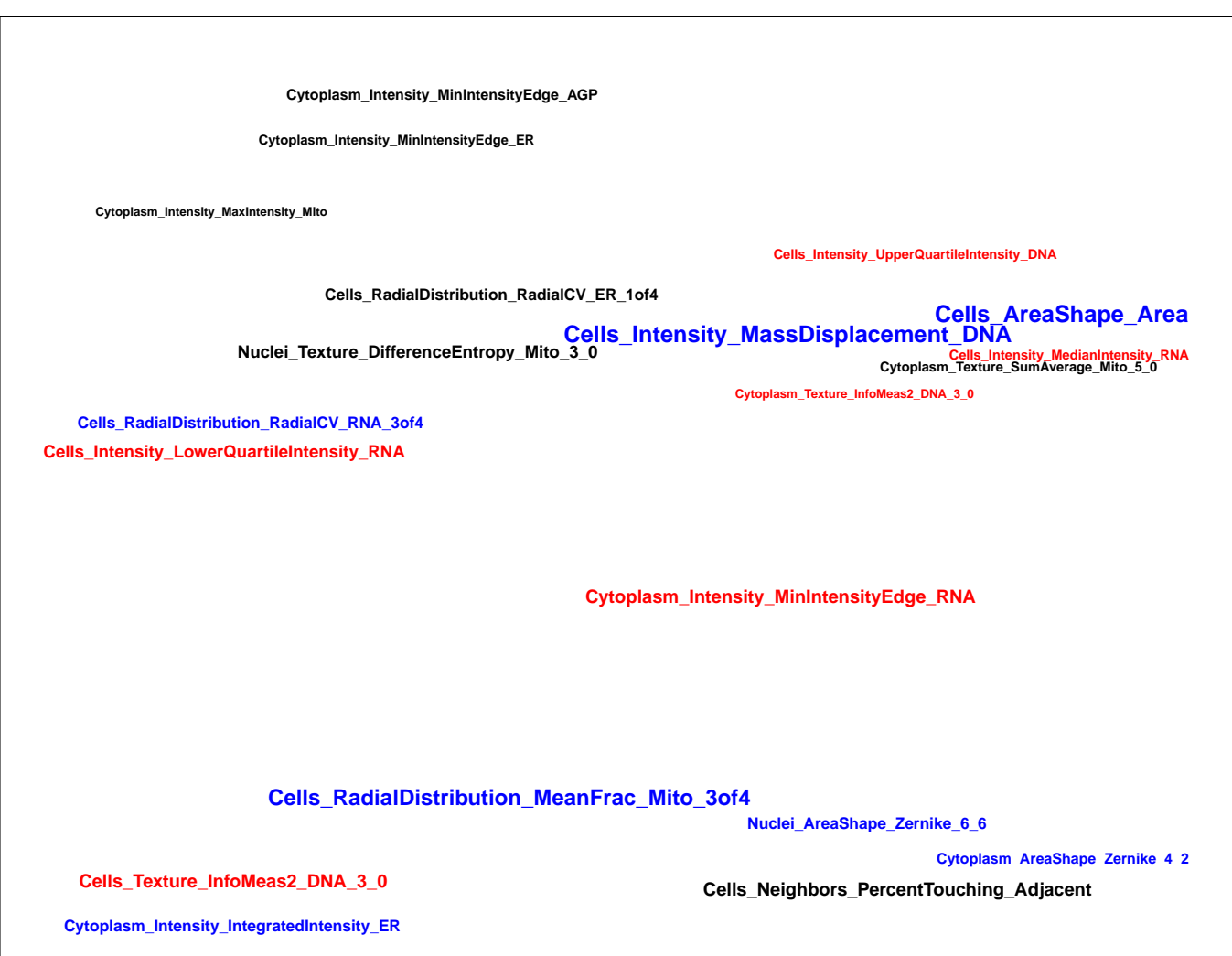
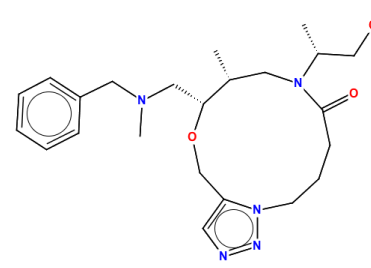
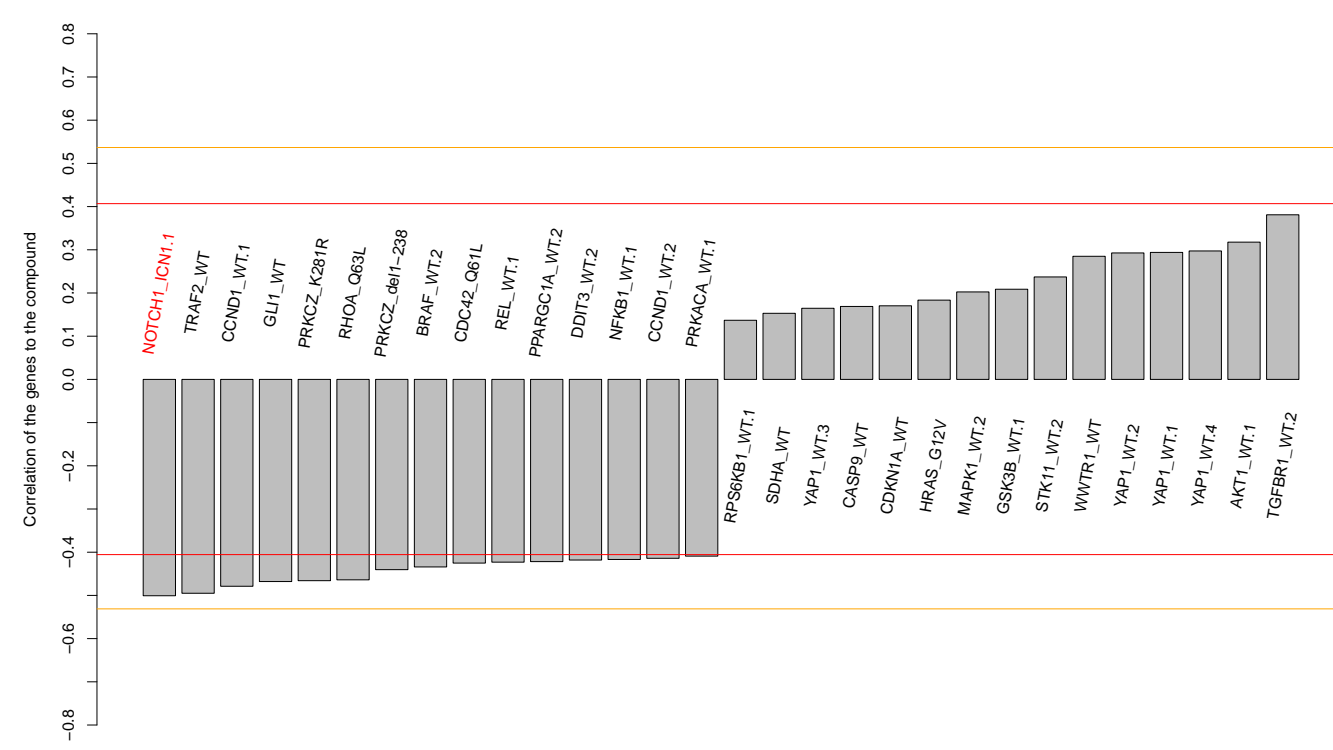
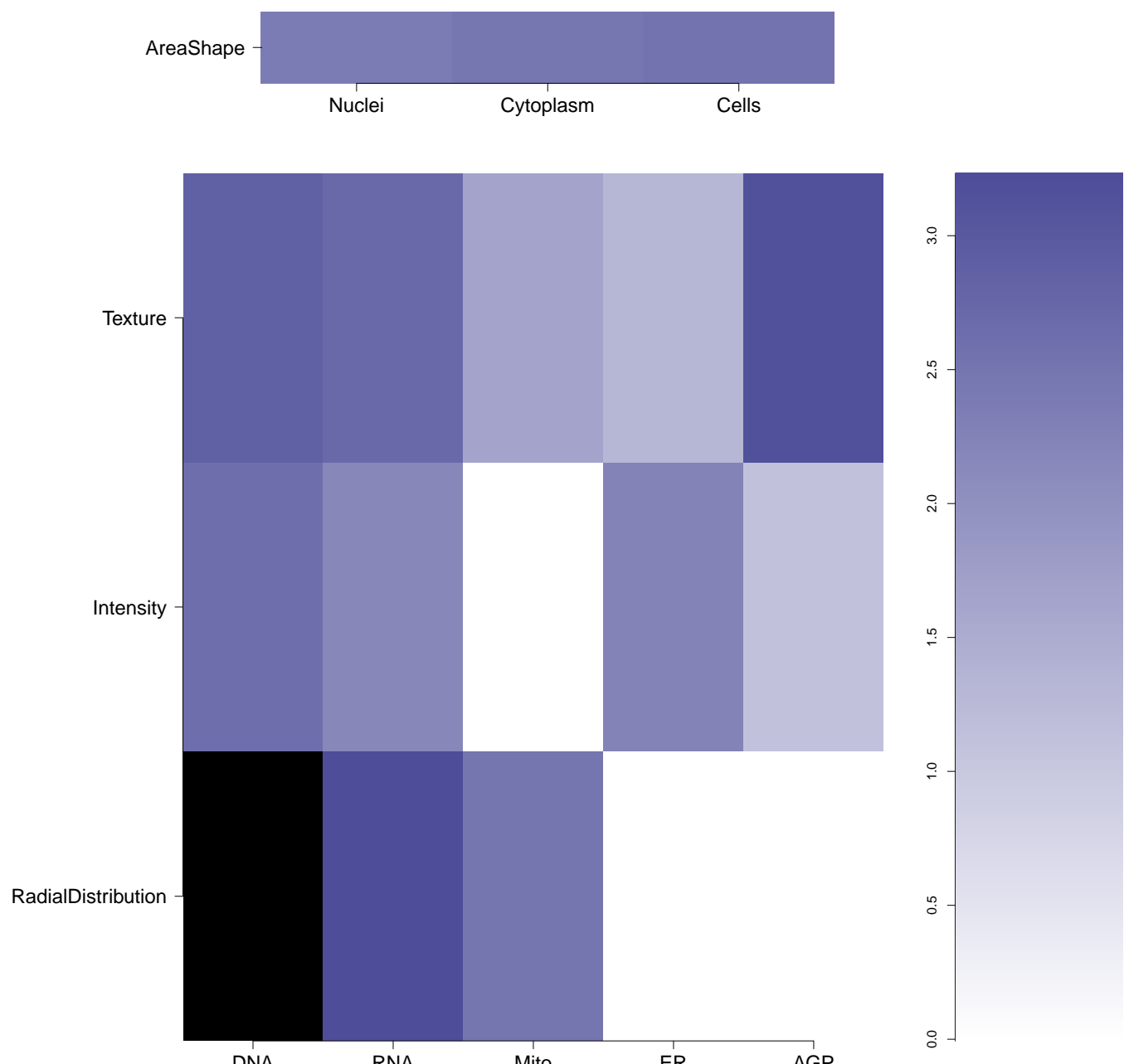



Which individual morphological features are distinguishing in the gene relative to the untreated samples? Blue/Red means the feature has a positive/negative z-score. Size is proportional to the z-score value.



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 and 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-K74568880-001-01-5 PubChem CID : 54641358		NA (in 1 replicates)	-0.61	NA				Total number of assays tested in: 43.
BRD-K92163754-001-01-6 PubChem CID : 54641096		NA (in 1 replicates)	-0.56	NA				Total number of assays tested in: 40.
BRD-K83426826-001-06-1 SMR000207607 AC1O1ODV MLS000585826 HMS2561O13 STL086726 PubChem CID : 6176152		NA (in 1 replicates)	-0.55	NA				Total number of assays tested in: 651. Active in the following assays: <ul style="list-style-type: none"> Multiplex HTS Assay for Inhibitors of MEK Kinase PB1 Domains, specifically MEK5 MEK Kinase3 Wildtype (AID 1529) High Throughput Imaging Assay for Beta-Catenin (AID 1665) HCS assay for microtubule stabilizers (AID 2205) Primary cell-based high-throughput screening assay for identification of compounds that inhibit KCNQ1 potassium channels (AID 2642) Luminescence Cell-Based Dose Retest to Confirm Inhibitors of Cancer Stem Cells (AID 440748) Dose Response HTS Screen to Identify Cytotoxic Compounds of HMLE.sh.cGFP (AID 463074) qHTS screen for small molecules that inhibit ELG1-dependent DNA repair in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504467) Validation (re-confirmation) assay for identification of compounds that inhibit KCNQ1 potassium channels (AID 588353) HTS to Find Inhibitors of Pathogenic Pemphigus Antibodies (AID 588358) Specificity screen against KCNQ2 for identification of compounds that inhibit KCNQ1 potassium channels (AID 651746) Specificity screen against KCNQ1/KCN1 for identification of compounds that inhibit KCNQ1 potassium channels (AID 652147) qHTS for induction of synthetic lethality in tumor cells producing 2HG: qHTS for the HT-1080-DH1K10 cell line (AID 686971) qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)
BRD-K72545968-001-06-9 MLS000391760 SMR000260795 AC1O211V BDBM52498 HMS2624P14 ZINC25330034 ST4079895 T0505-4729 PubChem CID : 6162602		NA (in 1 replicates)	-0.55	NA				Total number of assays tested in: 649. Active in the following assays: <ul style="list-style-type: none"> qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030) Fluorescent Polarization Homogeneous Dose Response HTS to Identify Inhibitors of POS-1 Binding to msc-5-RNA (AID 1964) uHTS identification of small molecule inhibitors of tin10-1 yeast via a luminescent assay (AID 463190) uHTS identification of small molecule inhibitors of tin10 yeast via a luminescent assay (AID 463195) Single concentration confirmation of small molecule inhibitors of tin10 yeast via a luminescent assay (AID 463215) uHTS identification of small molecule inhibitors of the catalytic domain of the SUMO protease, SENP1 in a FRET assay (AID 624204) Single concentration confirmation of small molecule inhibitors of the catalytic domain of the SUMO protease, SENP1 in a FRET assay (AID 651678) Single concentration confirmation of small molecule inhibitors of the catalytic domain of the SUMO protease, SENP1 in a kinetic FRET assay (AID 651690) Dose response confirmation of small molecule inhibitors of the catalytic domain of the SUMO protease, SENP1 in a kinetic FRET assay (AID 651697) qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
BRD-K83821605-001-05-2 ST50183659 AC1LTBU0 MLS000711257 HMS2628J07 ZINC13401949 BAS 02140097 SMR000281024 PubChem CID : 1556125		NA (in 1 replicates)	-0.55	NA				Total number of assays tested in: 610. Active in the following assays: <ul style="list-style-type: none"> Counter Screen for Luciferase-based Primary Inhibition Assays (AID 1006) MLPCN Alpha-Synuclein 5'UTR - 5'-UTR binding - activators (AID 1814) Cycloheximide Comerscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314) A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315) Nr2 qHTS screen for inhibitors (AID 504444) qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342) qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)
BRD-K25367375-001-01-4 PubChem CID : 54641172		NA (in 1 replicates)	-0.54	NA				Total number of assays tested in: 38.

<div>BRD-K87004592-001-02-3</div> <div>MLS003129728</div> <div>SMR001834174</div> <div>PubChem CID : 44504928</div>	<div></div>	0.54 (in 3 replicates)	-0.53	0.237	<div></div>	<div></div>	<div></div>	Total number of assays tested in: 219.
<div>BRD-K93036943-001-05-6</div> <div>SMR000048767</div> <div>AC1LD11F</div> <div>MLS000042562</div> <div>MLS001306498</div> <div>HMS2423B07</div> <div>ZINC2365851</div> <div>STK590260</div> <div>PubChem CID : 667410</div>	<div></div>	NA (in 1 replicates)	-0.53	NA	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 750. Active in the following assays:</div> <div><ul style="list-style-type: none">Human H69AR Lung Tumor Cell Growth Inhibition Assay - 80K Screen (AID 508)Human Endothelial Cell Proliferation Assay in 384-well format (AID 648)CYP2C19 Assay (AID 778)qHTS Assay for Inhibitors of Aldehyde Dehydrogenase 1 (ALDH1A1) (AID 1030)Leishmania major promastigote HTS (AID 1063)High-content cell-based screening for modulators of autophagy (AID 463193)qHTS Assay for Inhibitors of Hepatitis C Virus (HCV) (AID 651820)qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in absence of CPT (AID 686978)qHTS for Inhibitors of human tyrosyl-DNA phosphodiesterase 1 (TDP1): qHTS in cells in presence of CPT (AID 686979)</div>
<div>BRD-A40862551-001-05-4</div> <div>SMR000093862</div> <div>MLS000116908</div> <div>AC1NSDHU</div> <div>MLS002586874</div> <div>HMS2246J07</div> <div>PubChem CID : 5307880</div>	<div></div>	NA (in 1 replicates)	-0.52	NA	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 811. Active in the following assays:</div> <div><ul style="list-style-type: none">VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2546)Inhibitors of Cav3 T-type Calcium Channels: Primary Screen (AID 449789)qHTS Inhibitors of AmpC Beta-Lactamase (assay without detergent) (AID 485341)Schmurri-3 Inhibitors: specific inducers of adult bone formation Measured in Cell-Based System Using Plate Reader - 2134-01.Inhibitor.Dose.CherryPick.Activity (AID 588674)Schmurri-3 Inhibitors: specific inducers of adult bone formation Measured in Cell-Based System Using Plate Reader - 2134-02.Inhibitor.Dose.CherryPick.Activity (AID 624322)Shu3: Dual-Go Shu3RL cells Measured in Cell-Based System Using Plate Reader - 2134-02.Inhibitor.Dose.CherryPick.Activity (AID 62433)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)Schmurri-3 Inhibitors: specific inducers of adult bone formation Measured in Cell-Based System Using Plate Reader - 2134-01.Inhibitor.Dose.DryPowder.Activity.Set2 (AID 743417)High Throughput Screening for Foot and Mouth Disease Virus Antivirals (AID 1159524)</div>
<div>BRD-K32367331-001-01-8</div> <div>PubChem CID : 44489273</div>	<div></div>	0.66 (in 2 replicates)	-0.50	NA	<div></div>	<div></div>	<div></div>	Total number of assays tested in: 51.