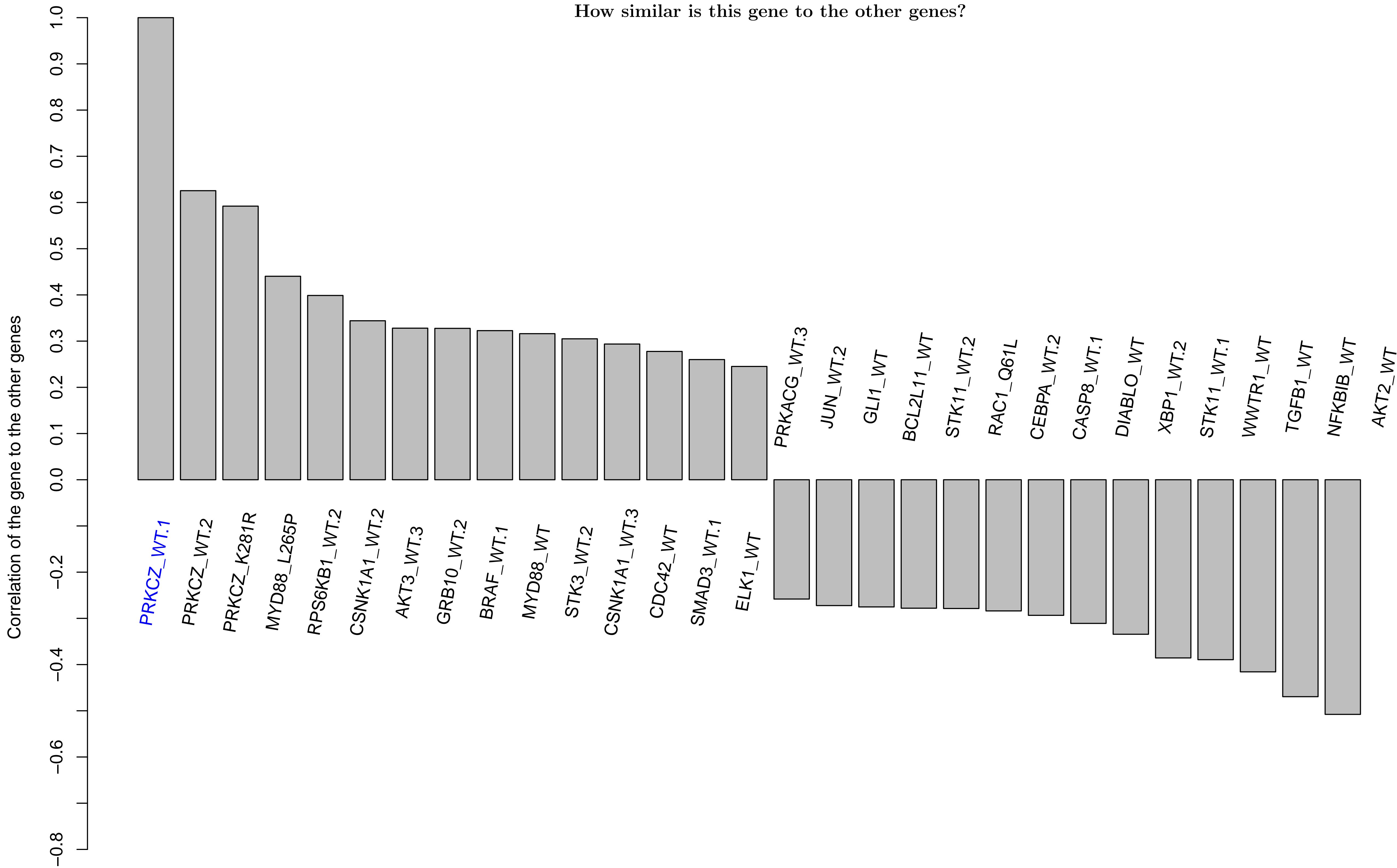
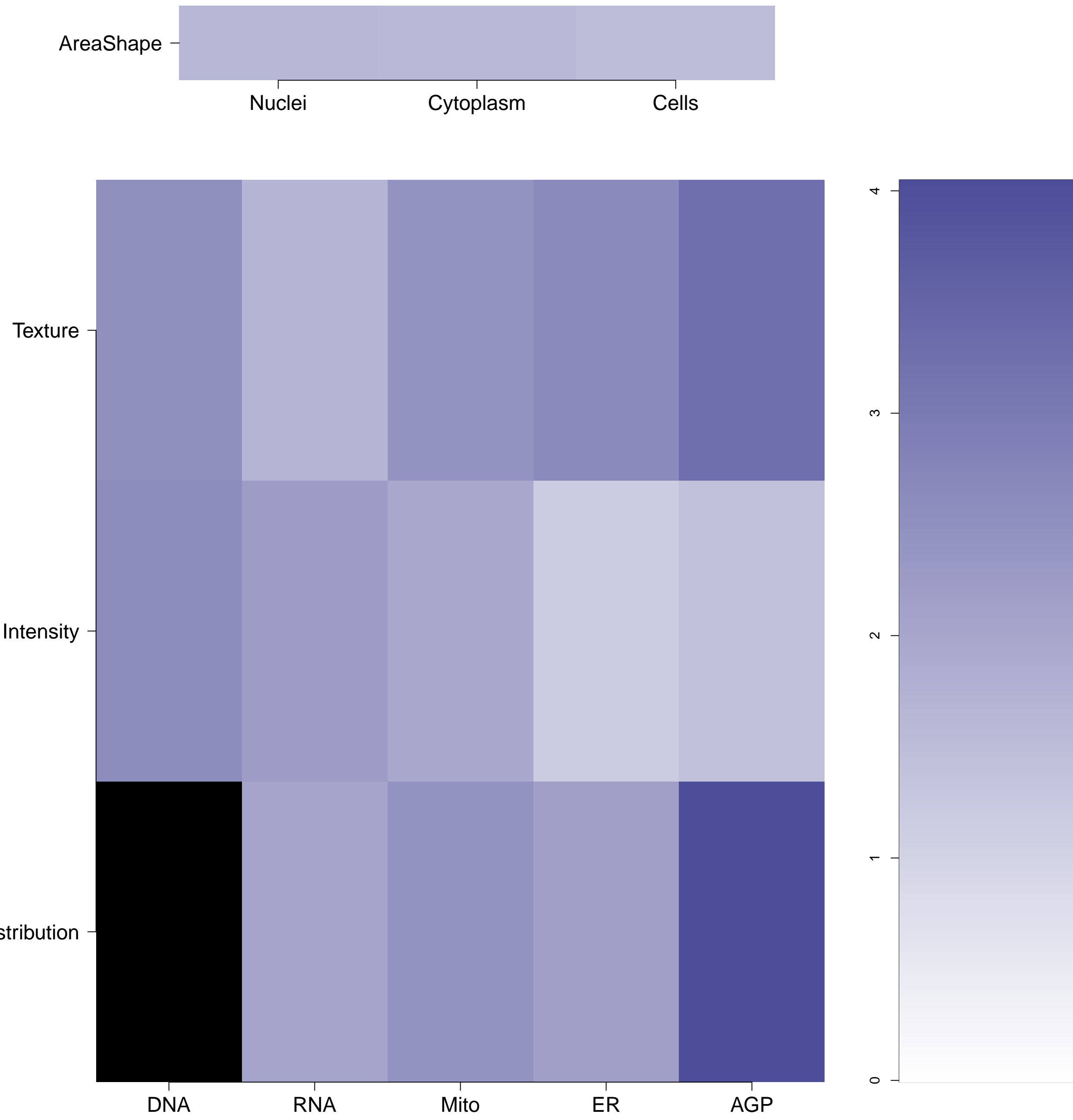


PRKCZ.WT.1 - in Canonical PKC

How similar is this gene to the other genes?



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



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



Empty

PRKCZ.WT.1 (41744)

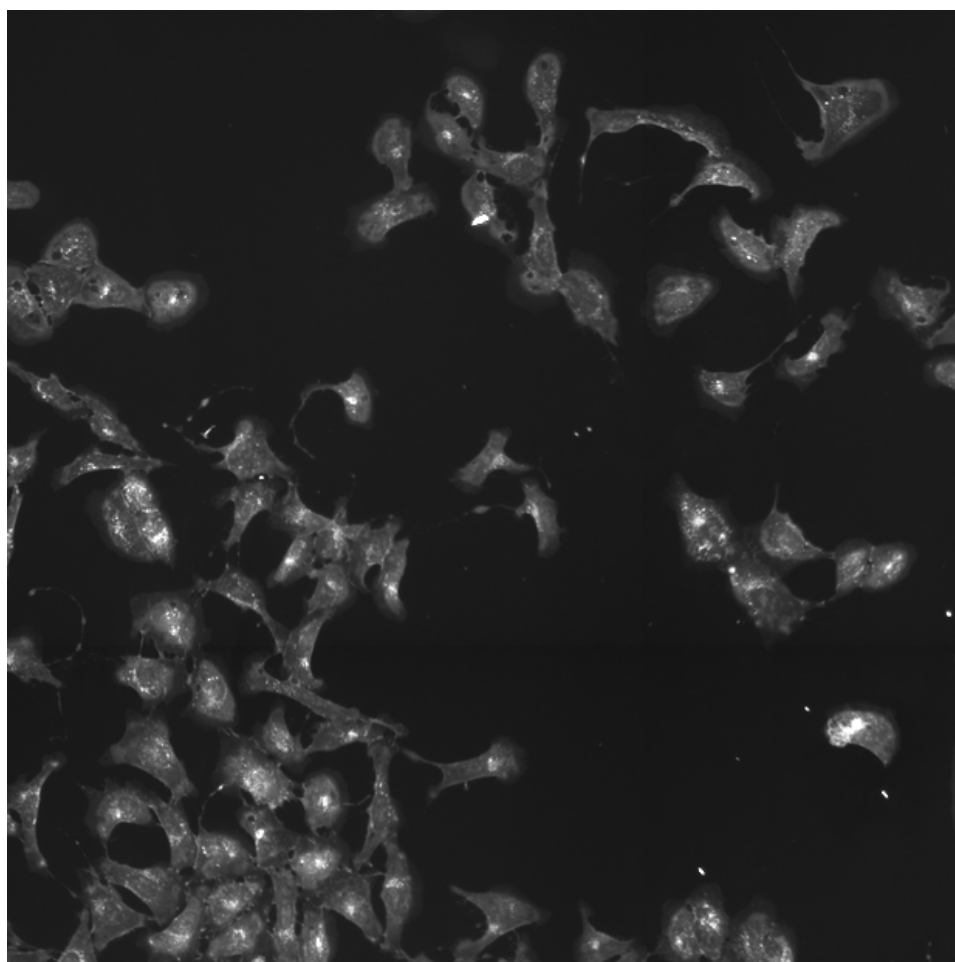
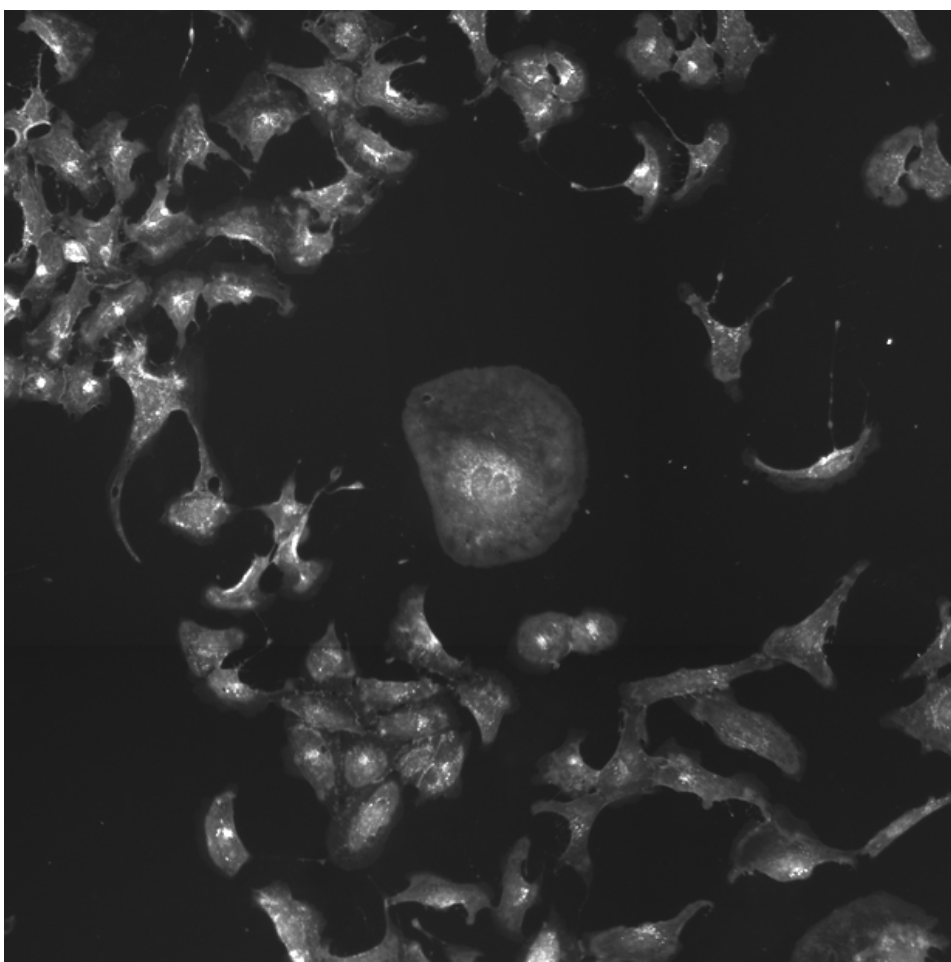
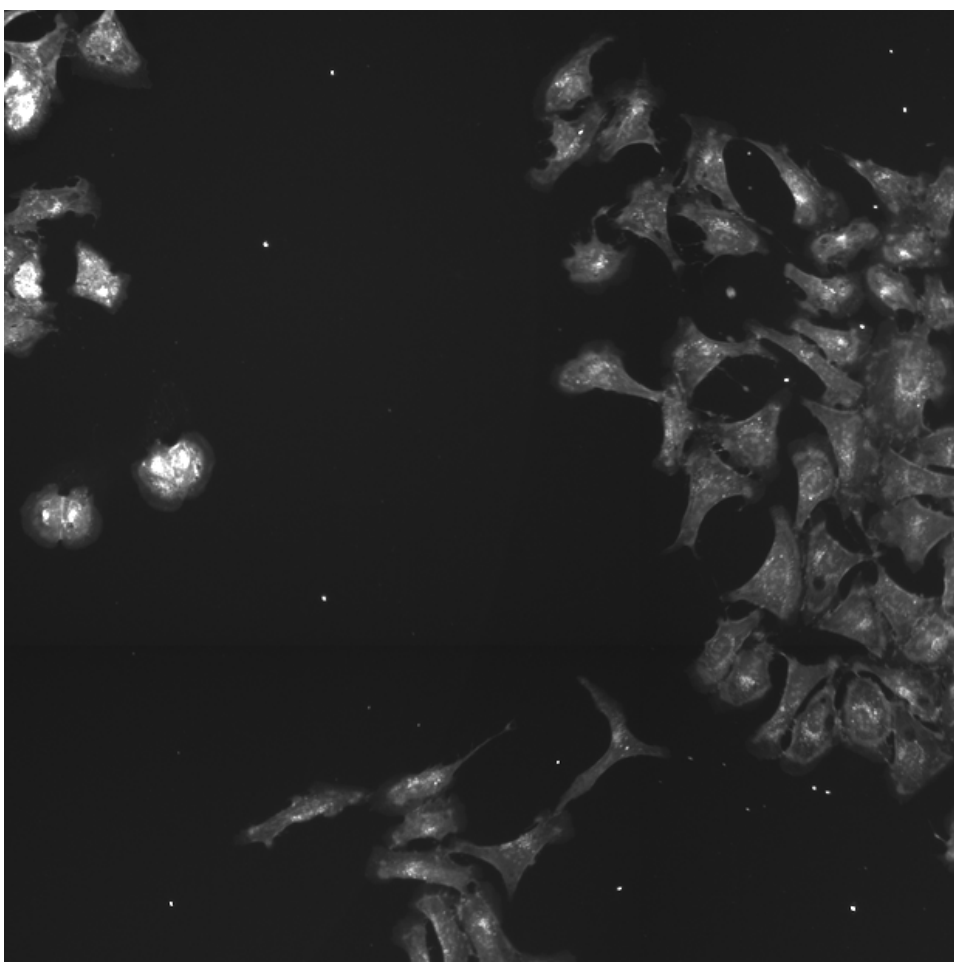
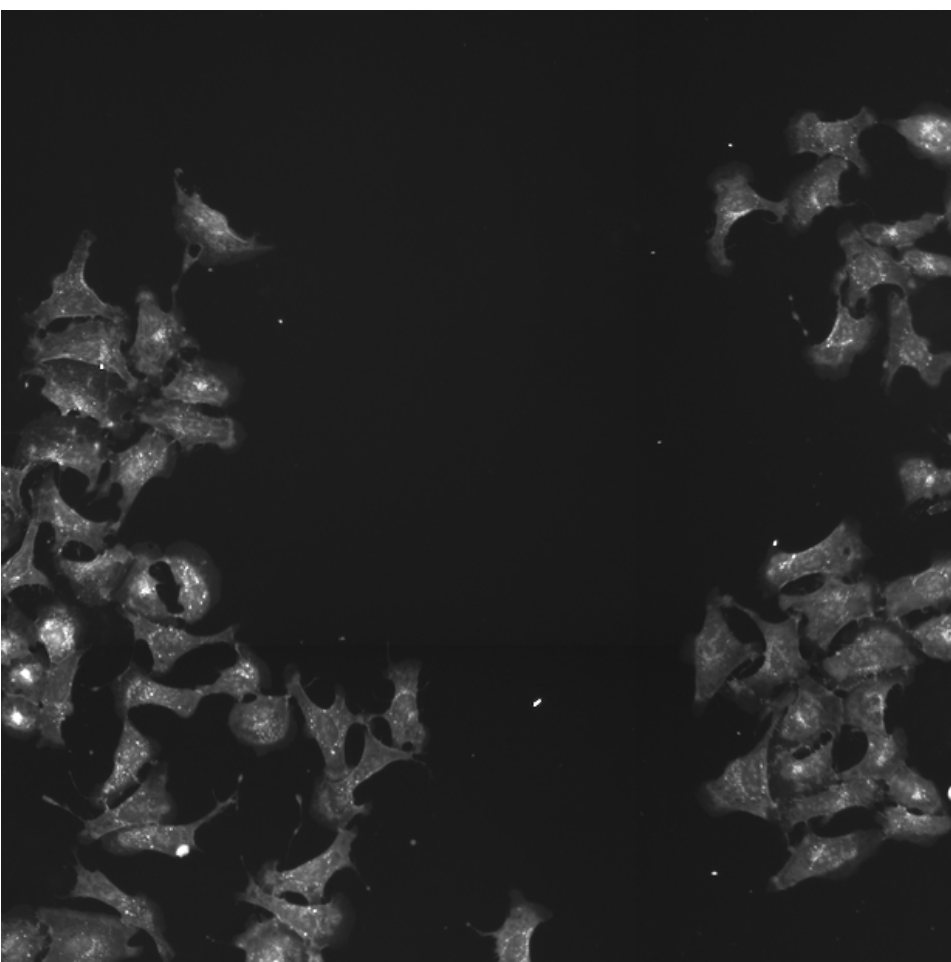
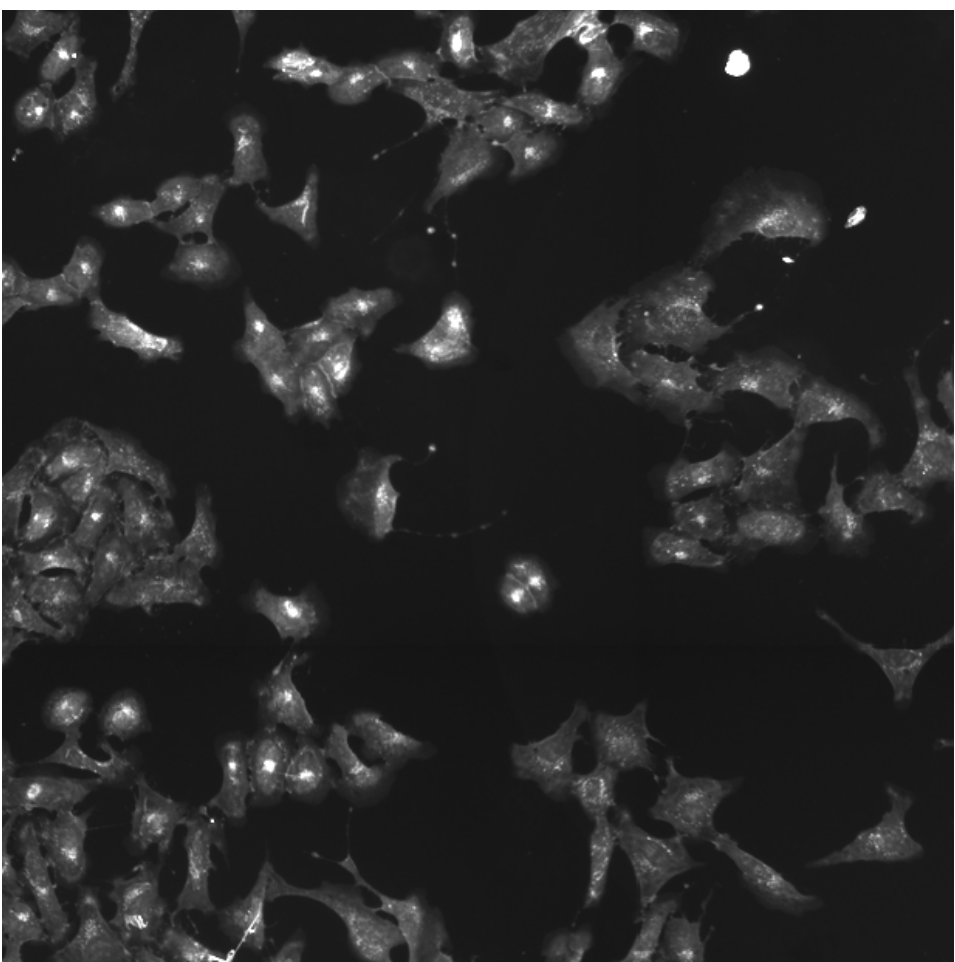
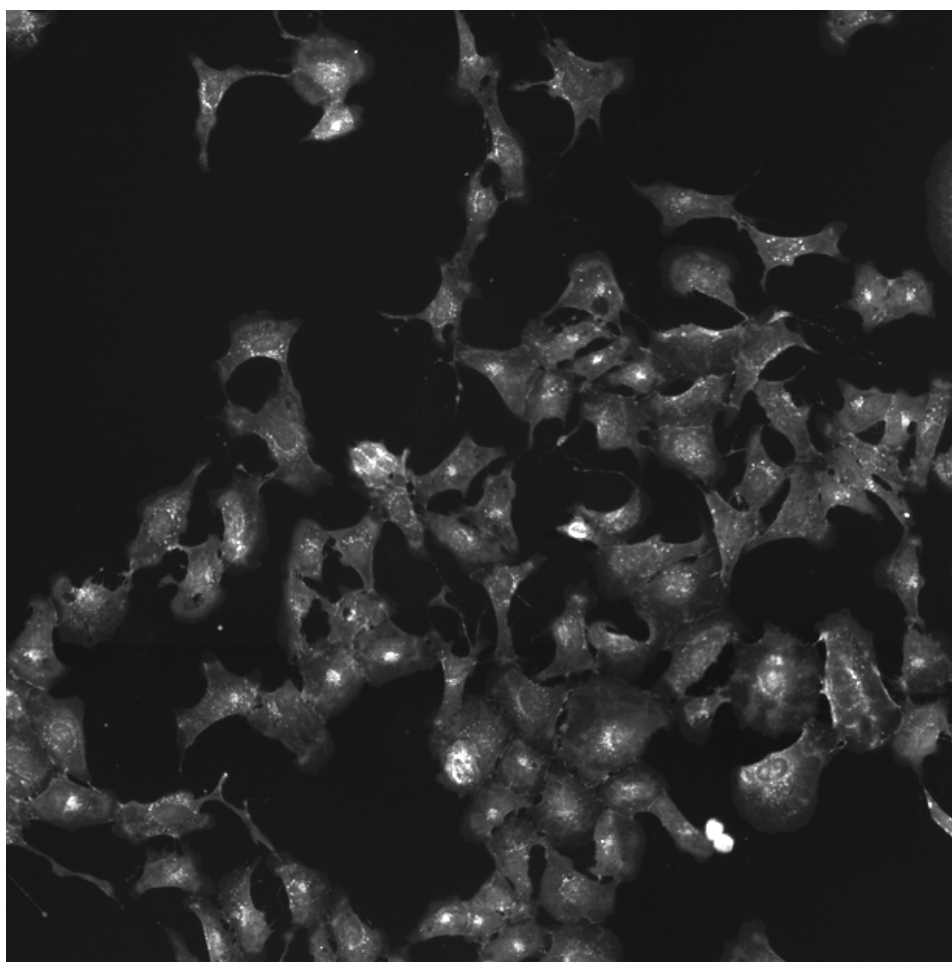
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PRKCZ.WT.1 (41756)

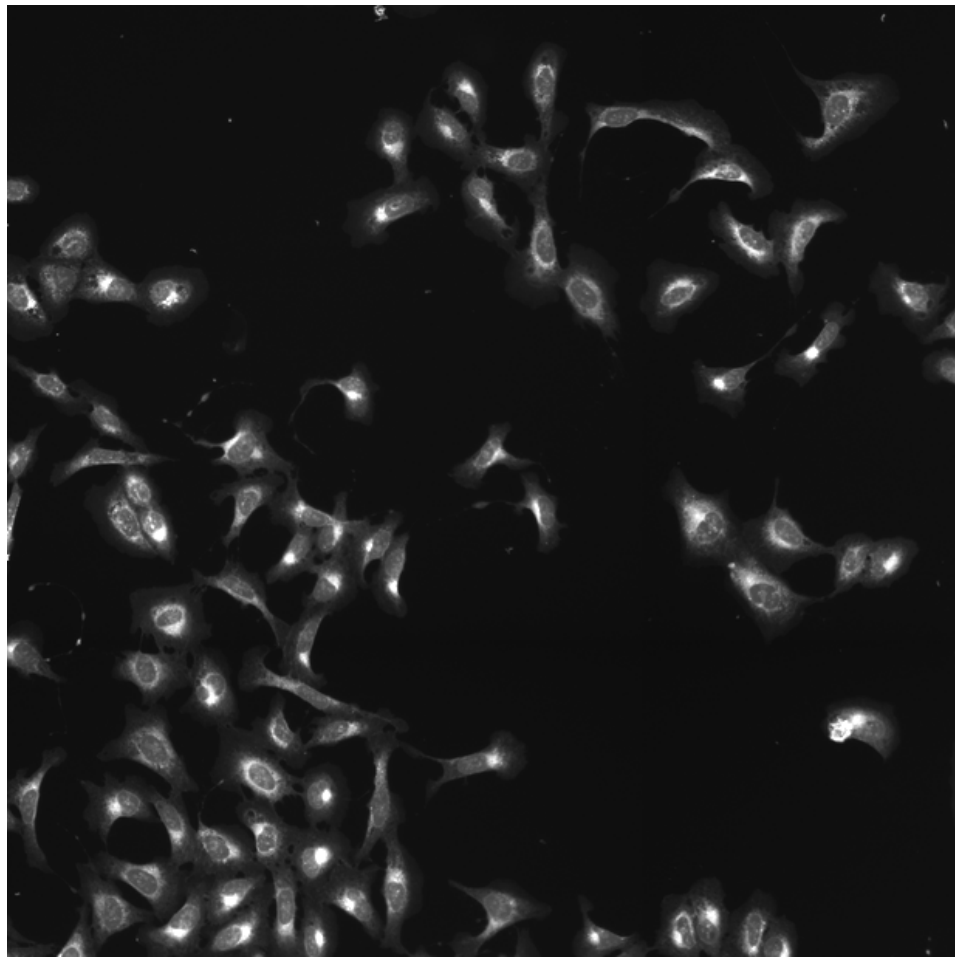
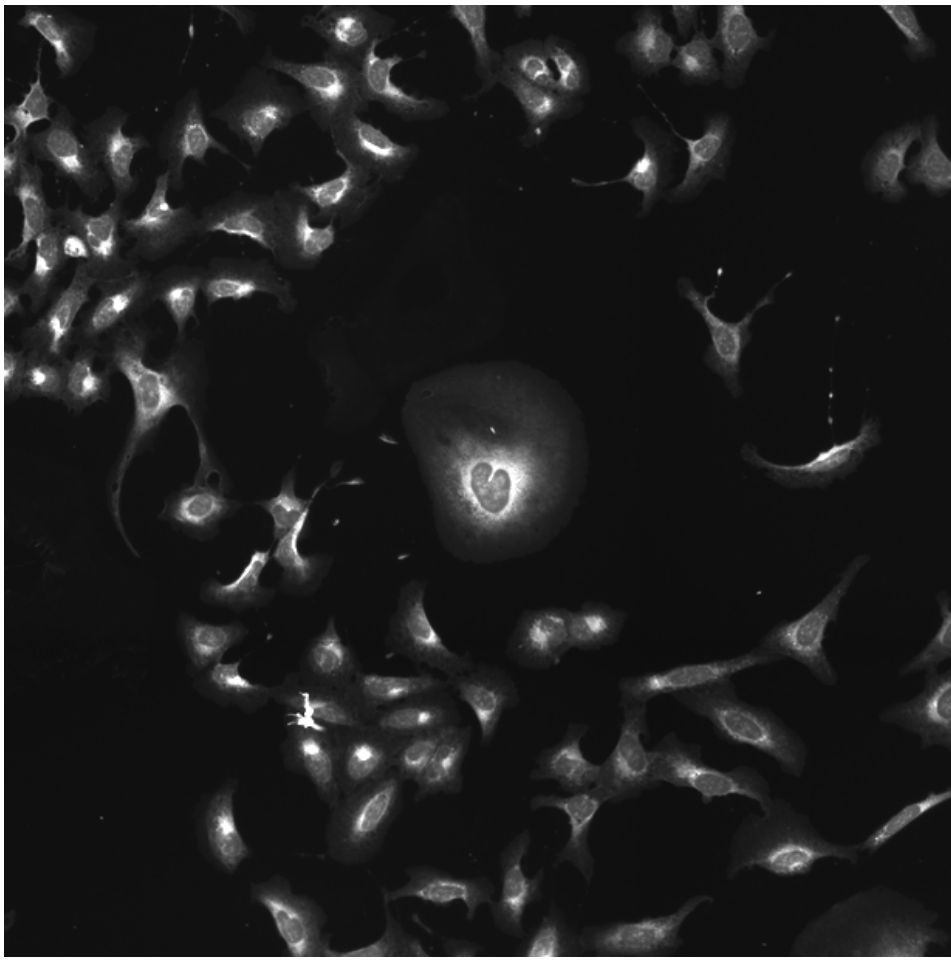
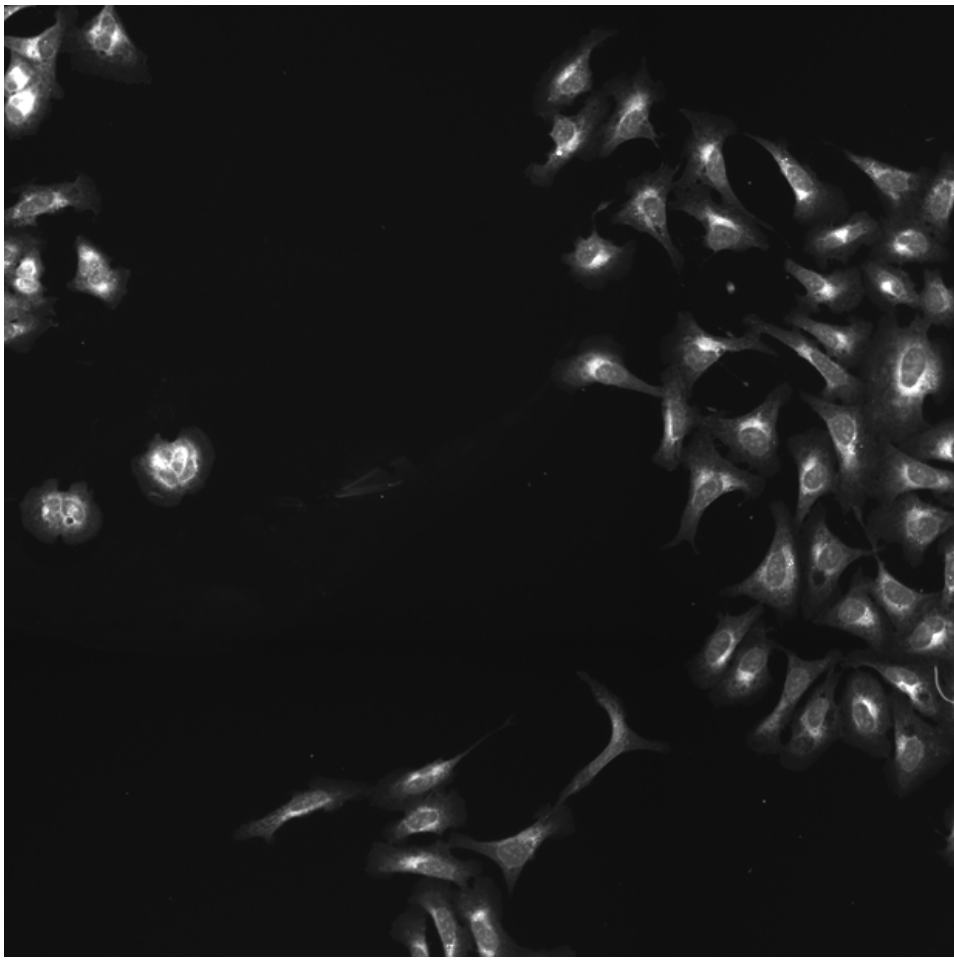
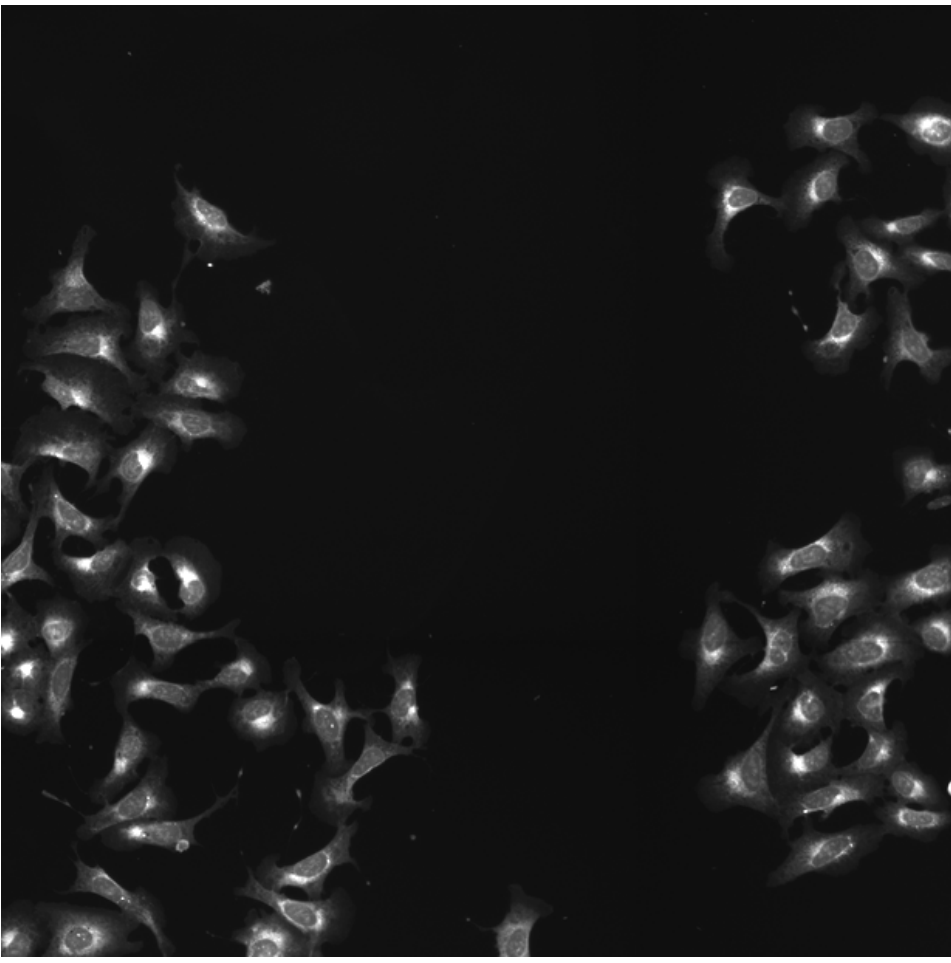
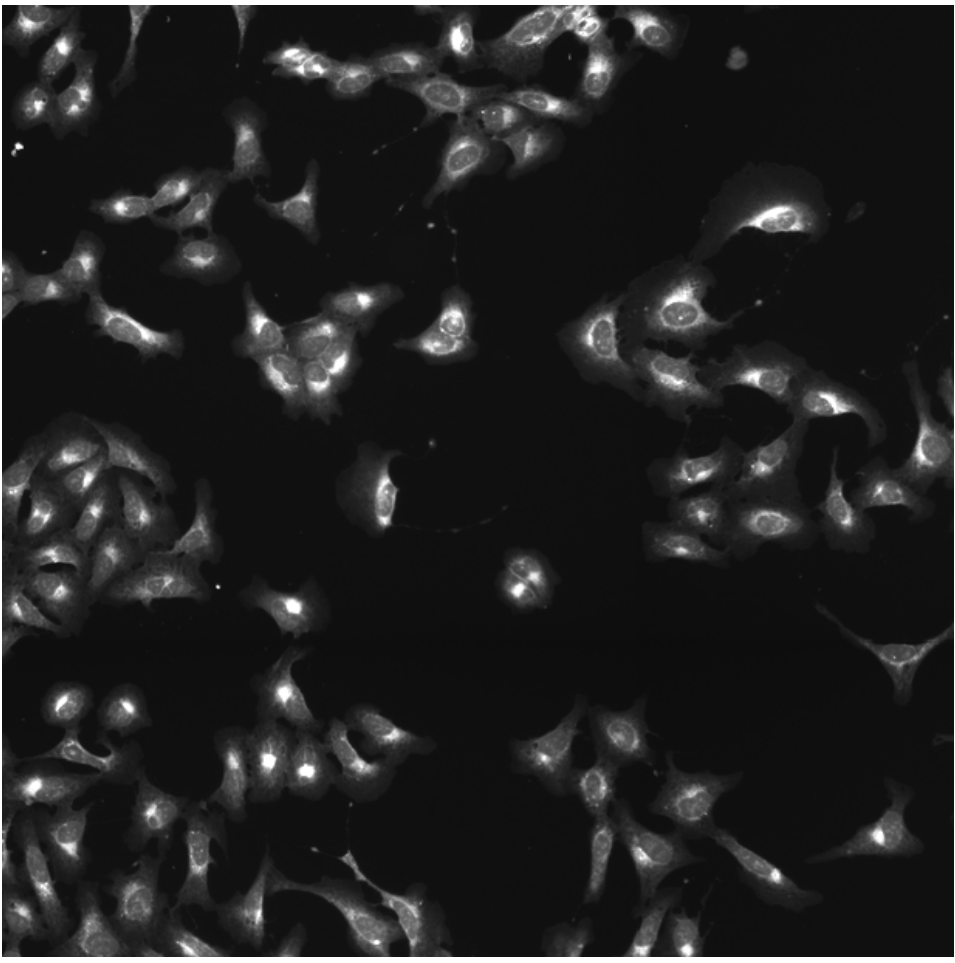
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PRKCZ.WT.1 (41754)

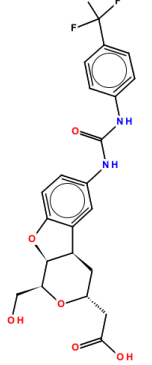
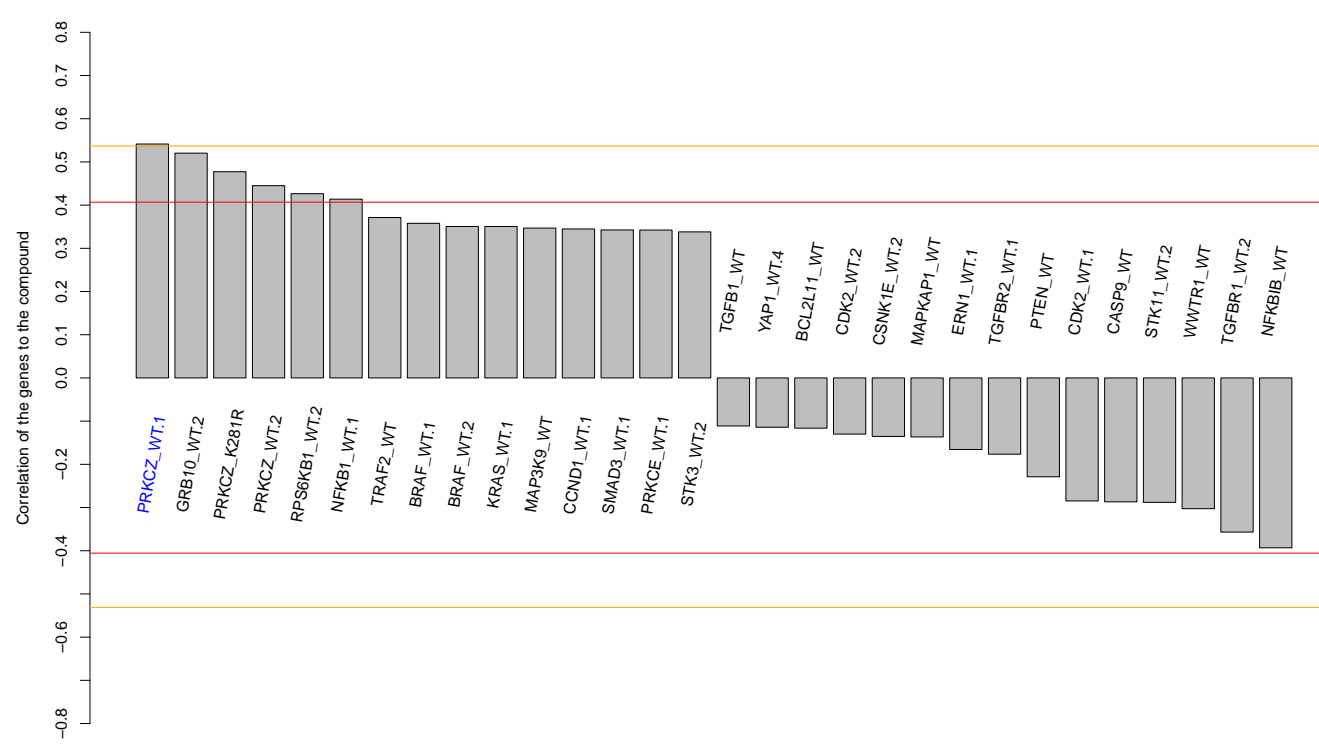
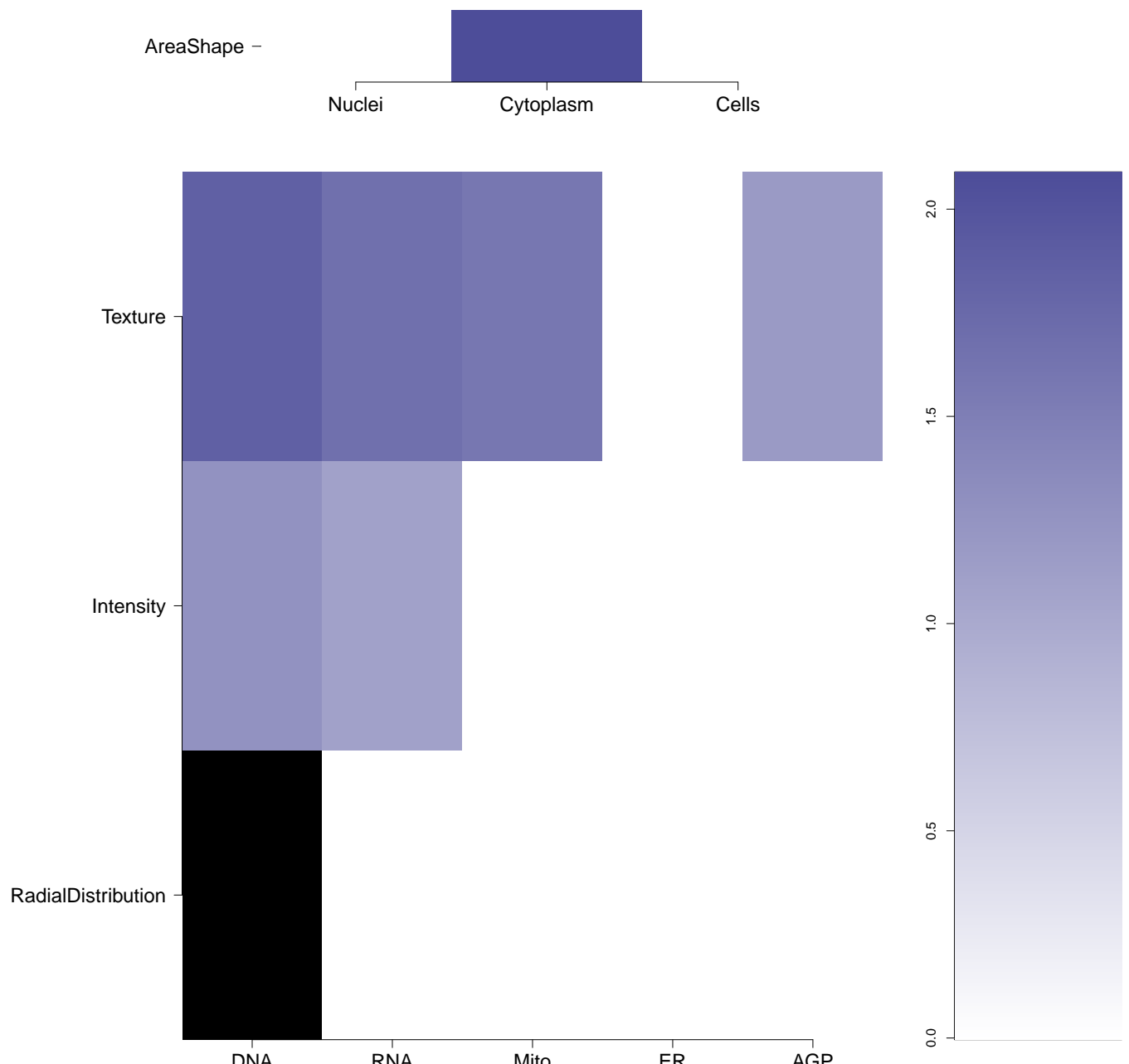

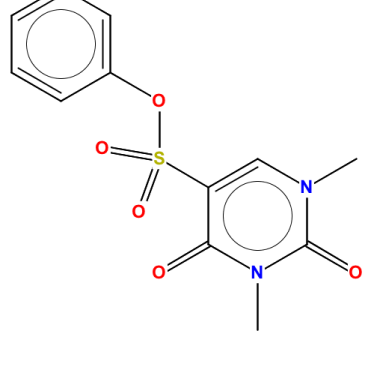
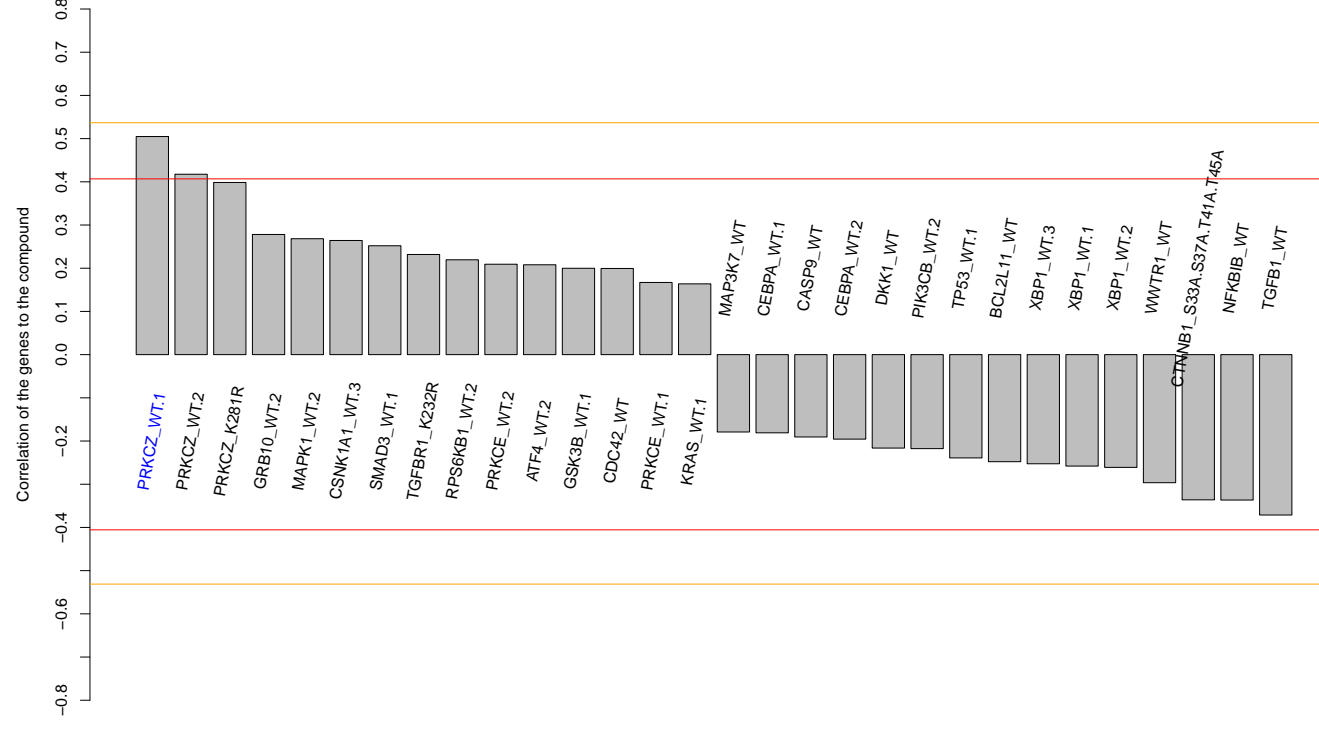
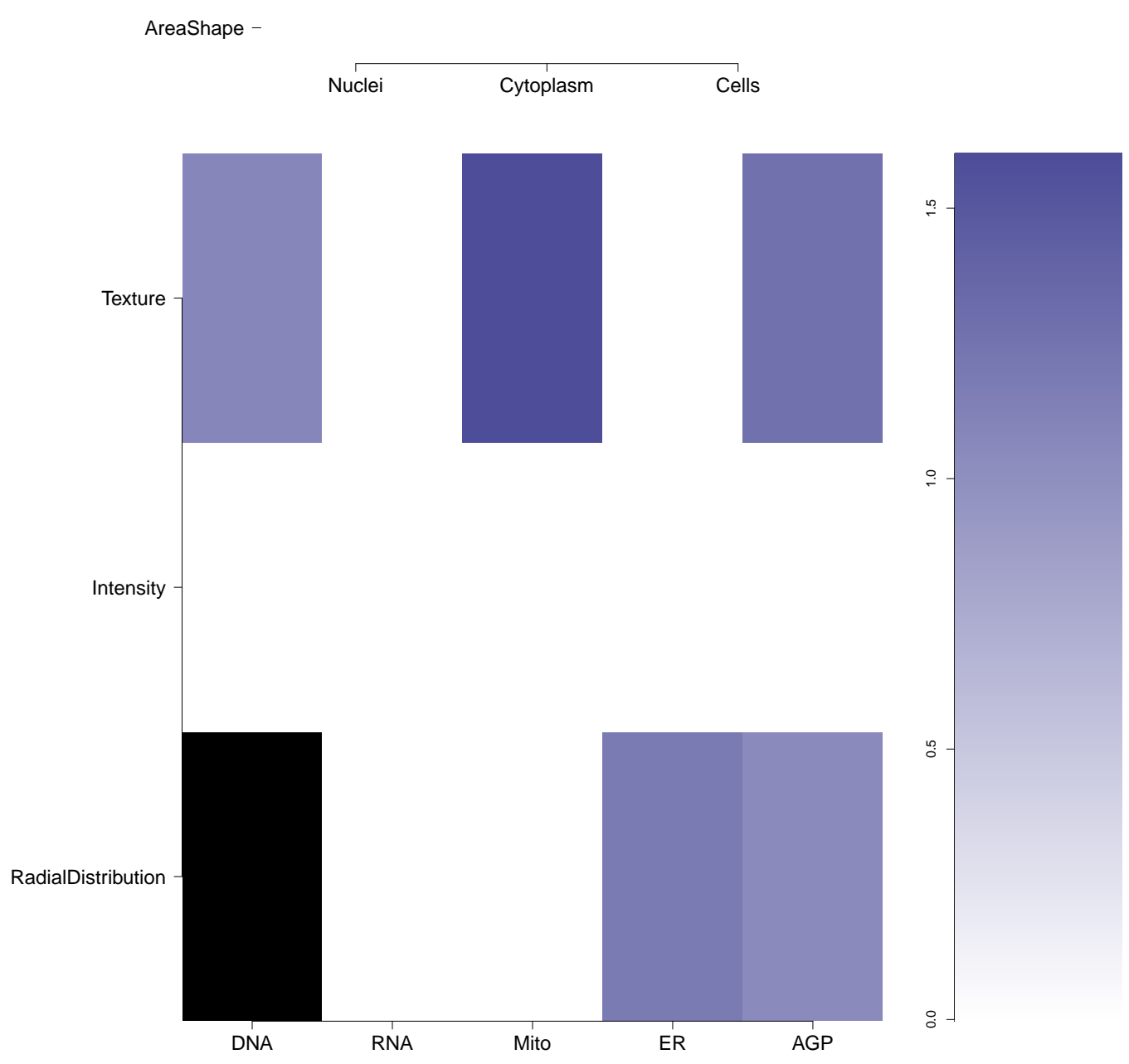
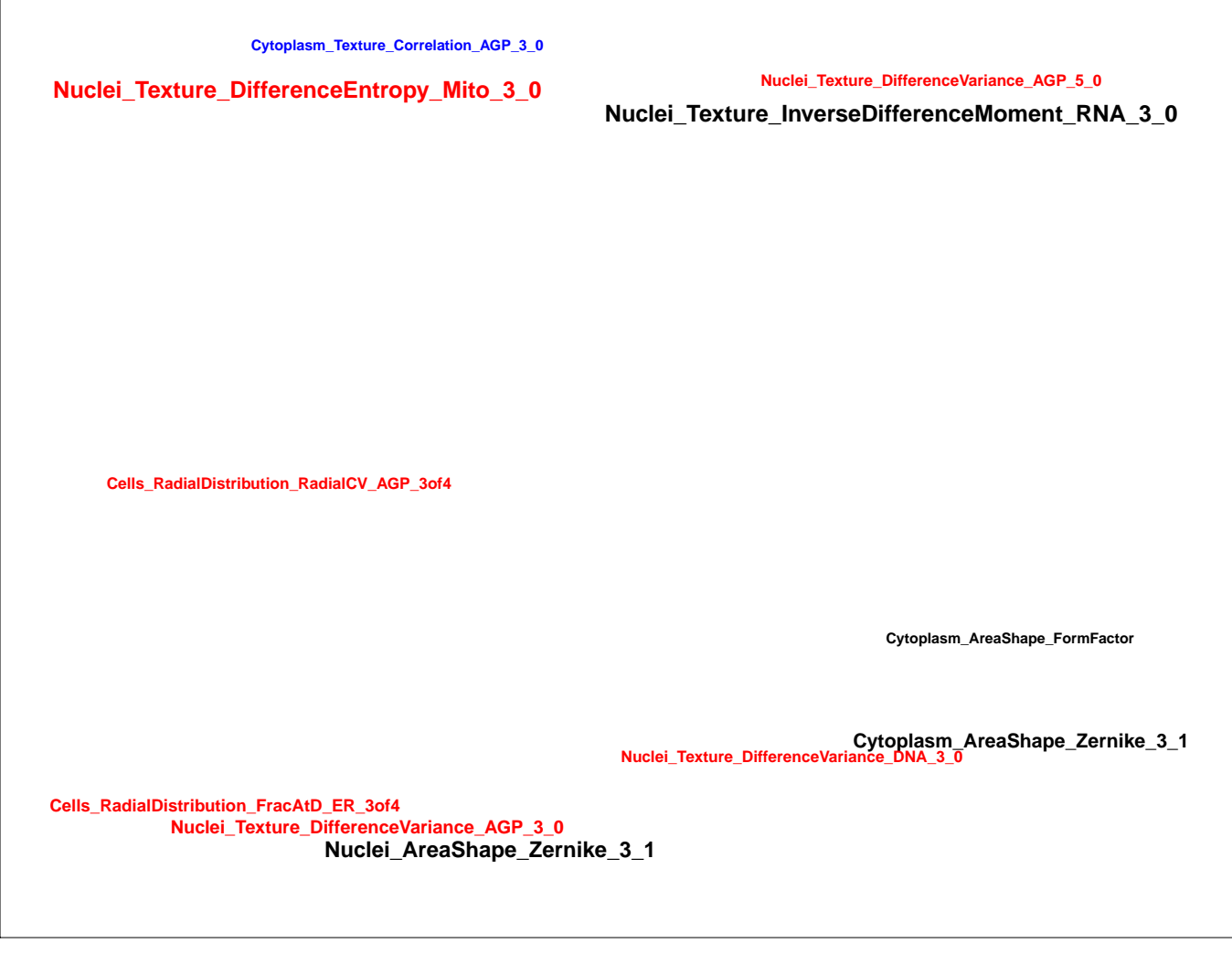
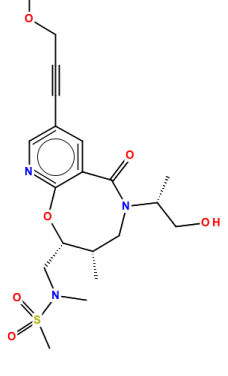
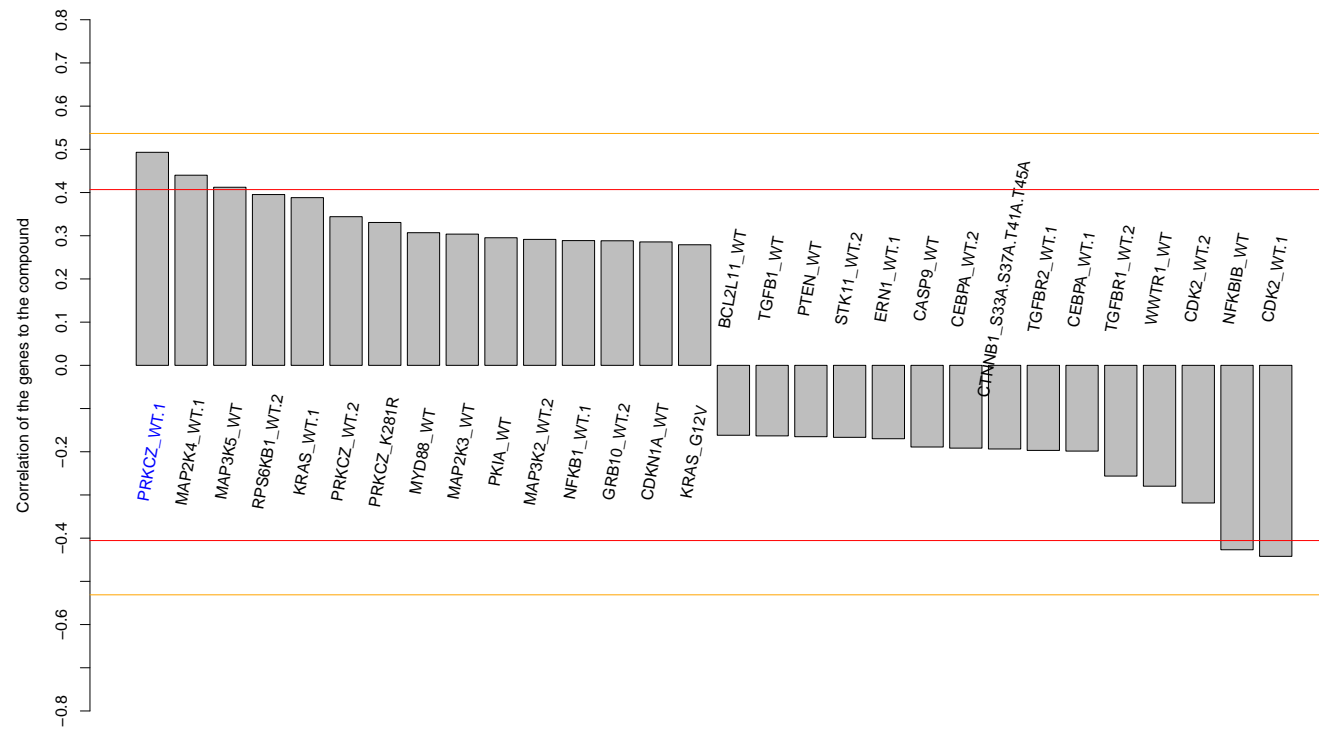
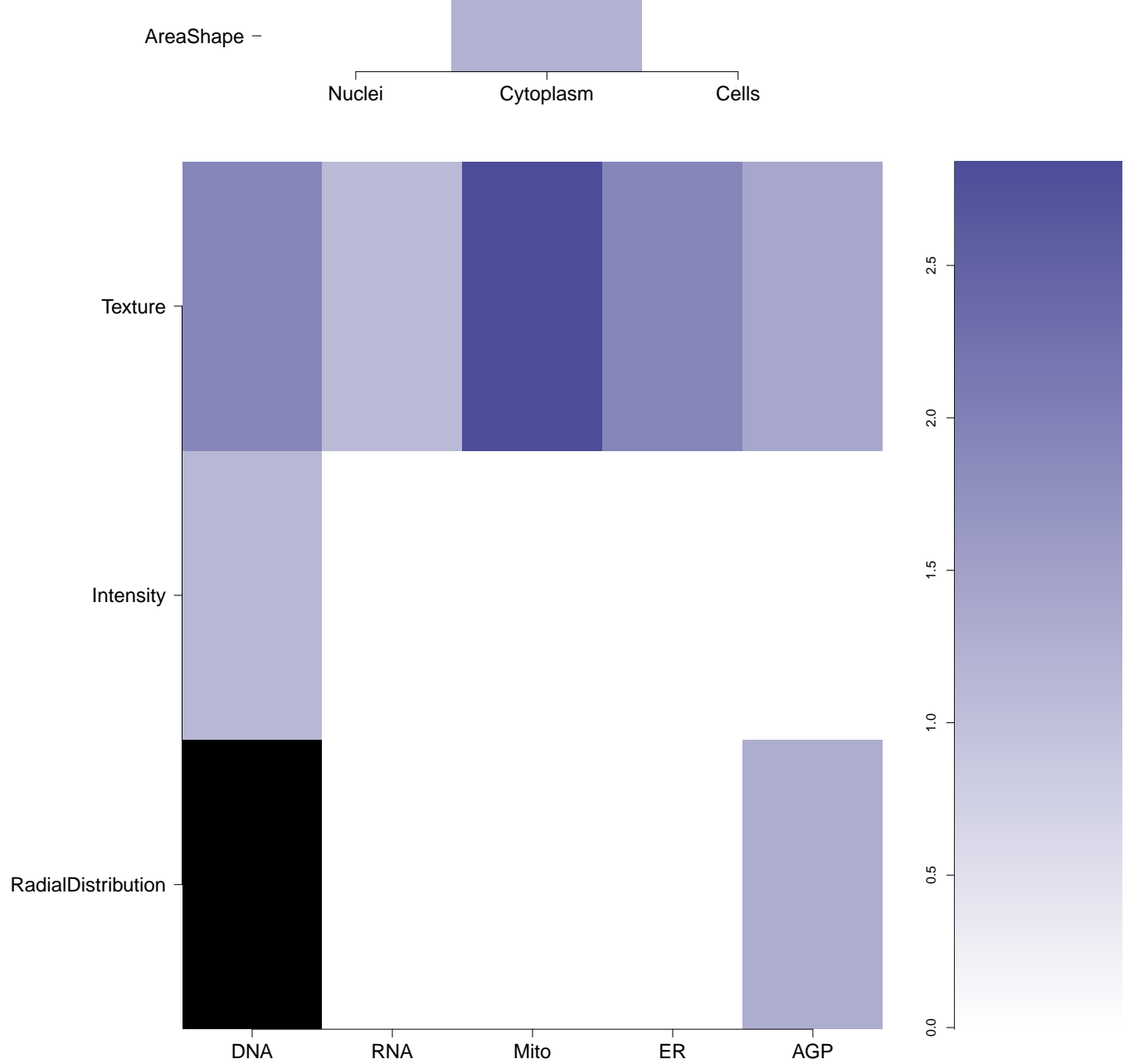
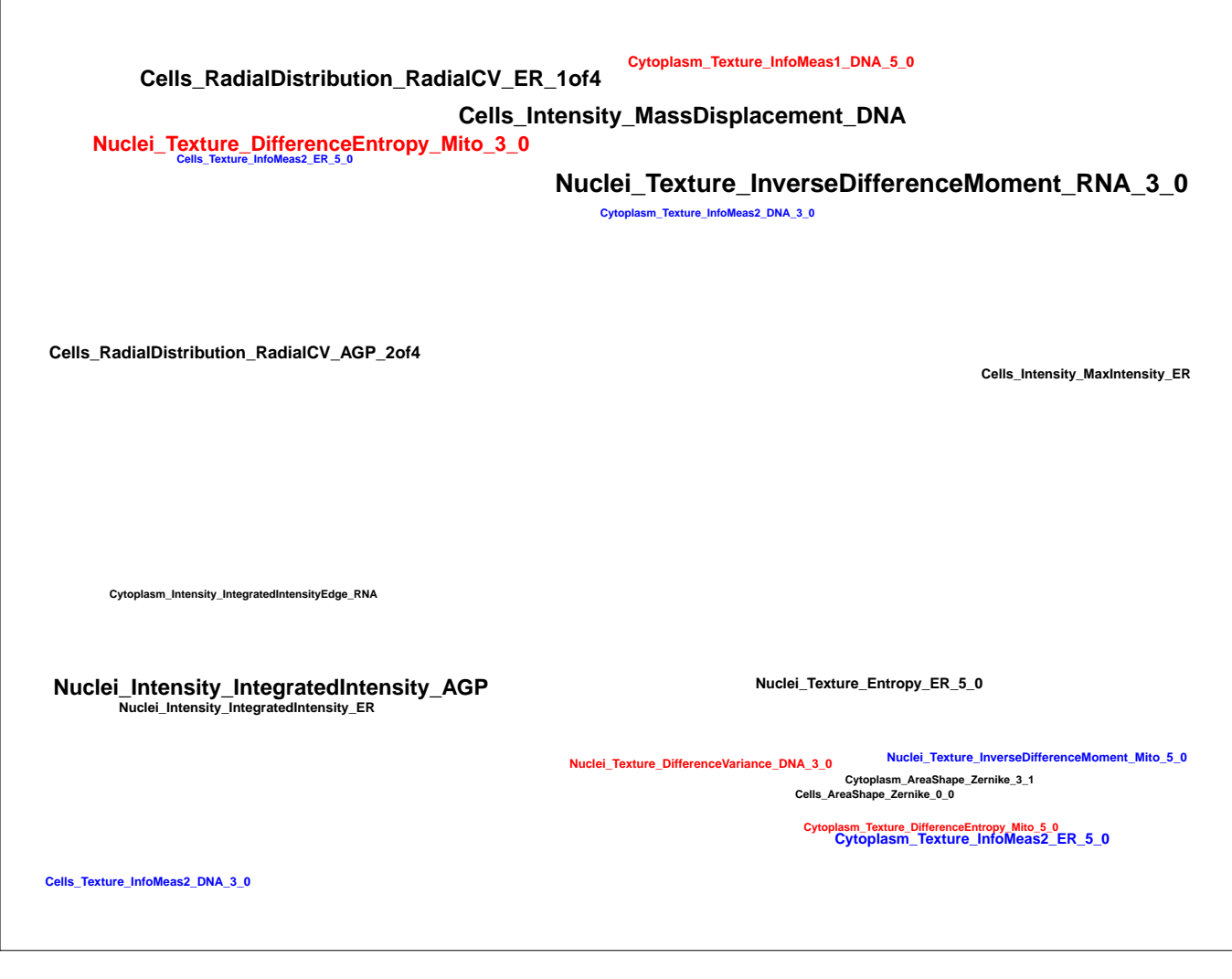
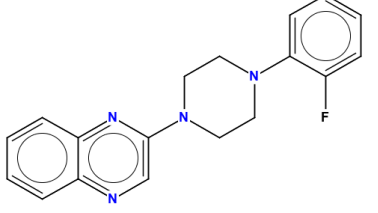
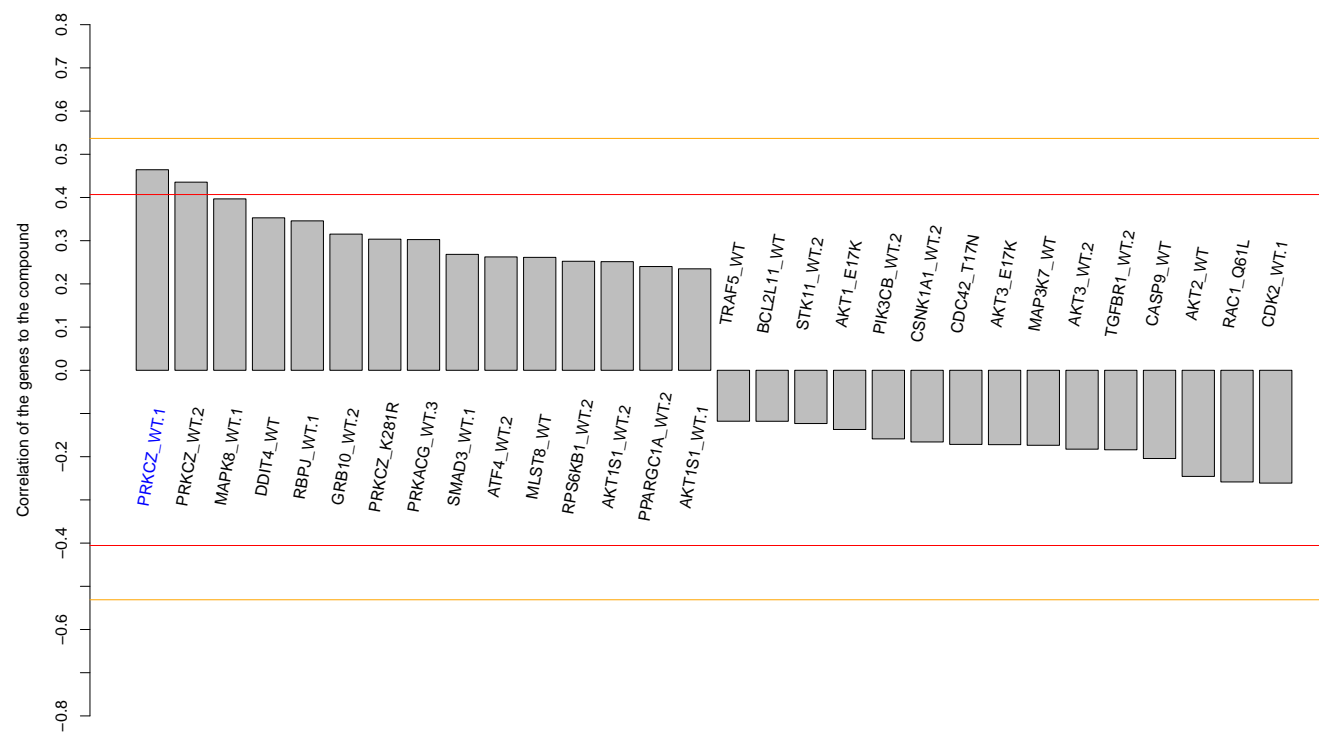
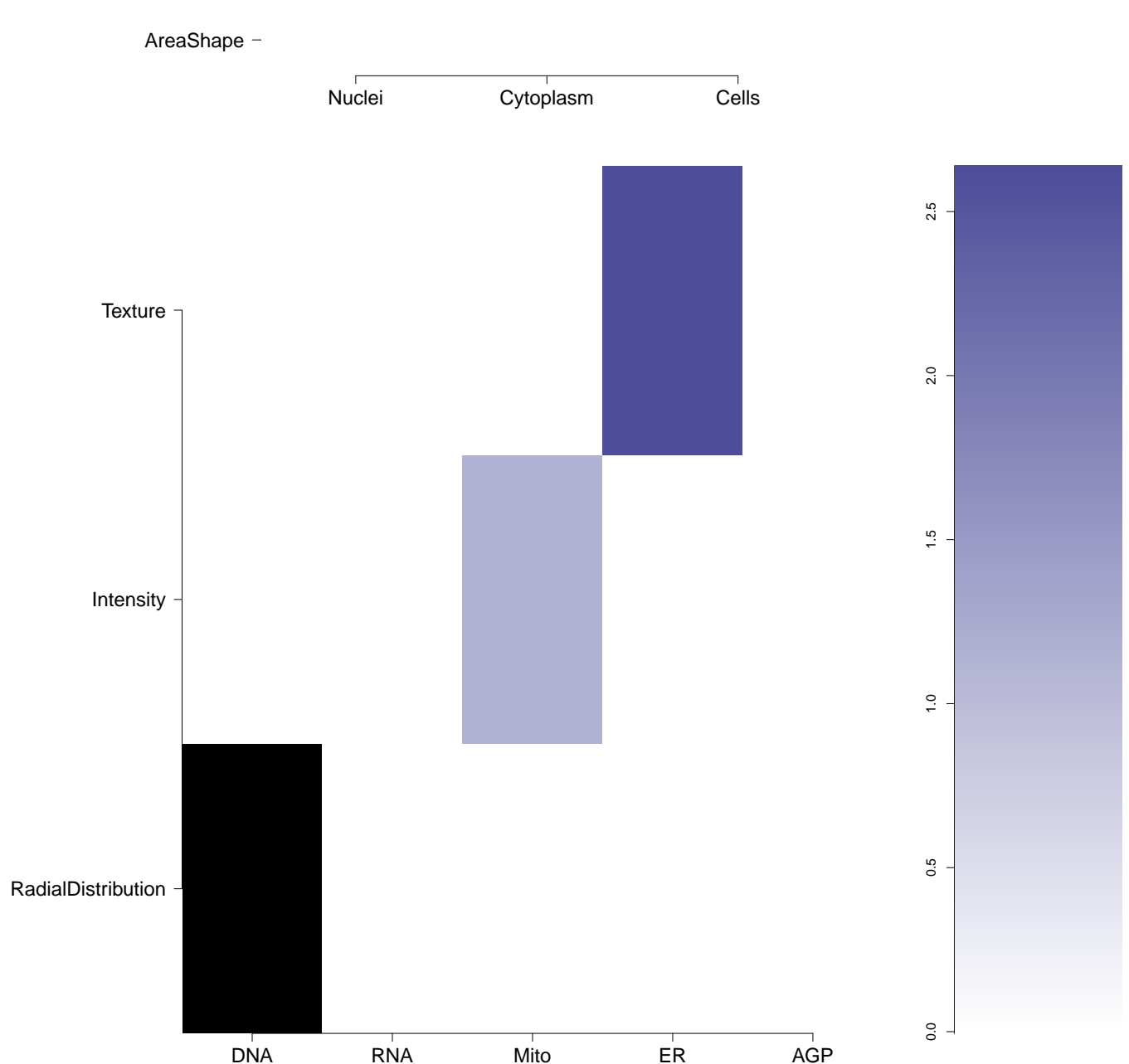

AGP

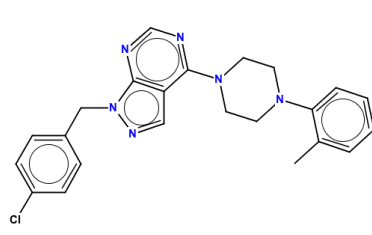
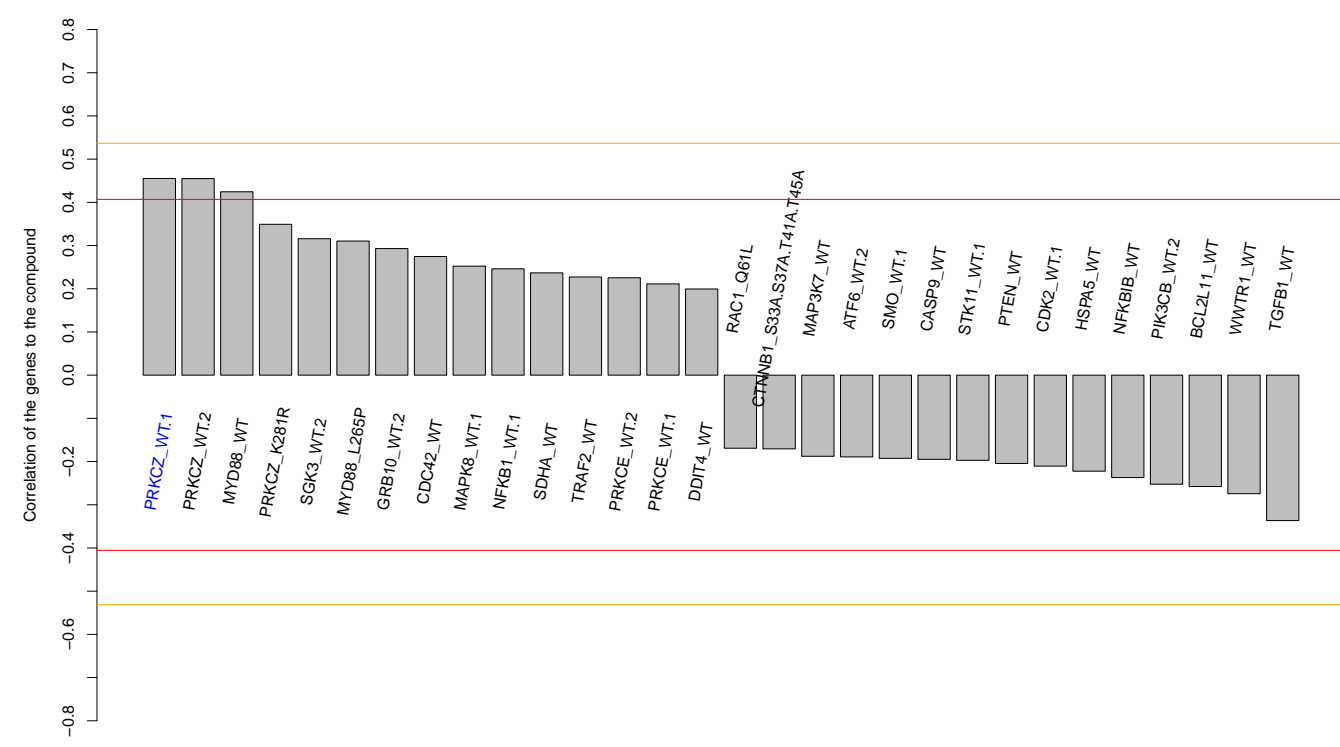
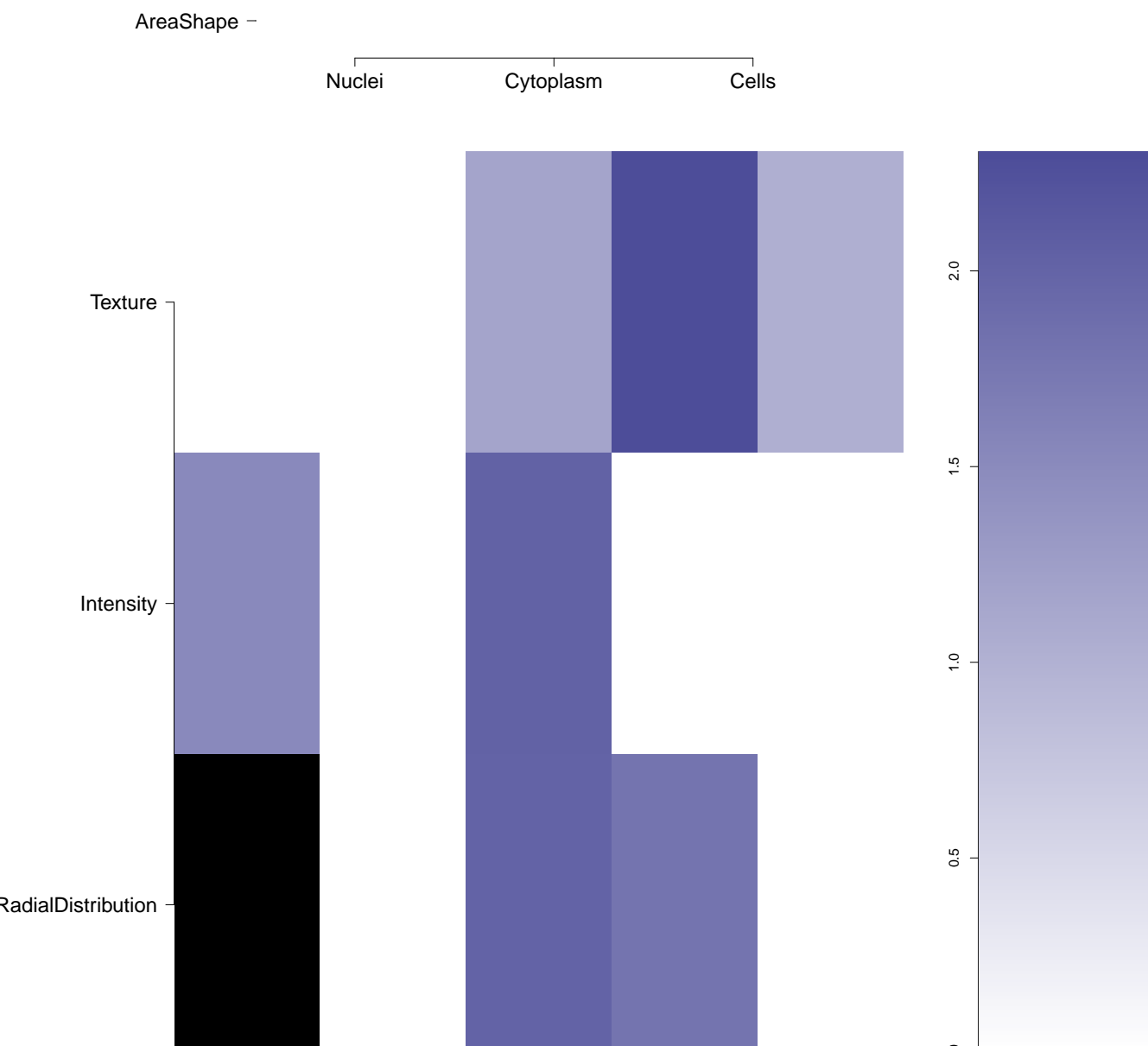
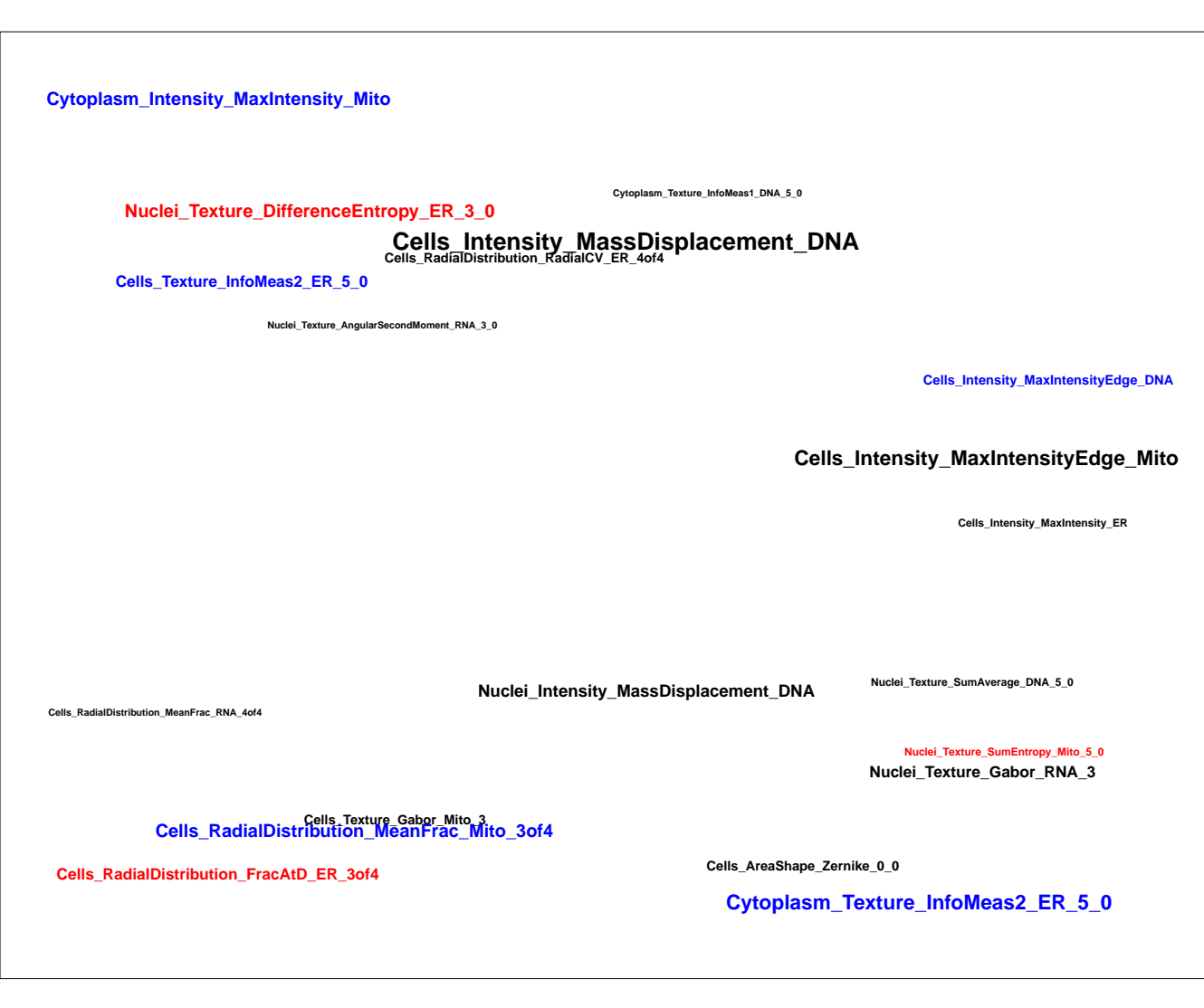
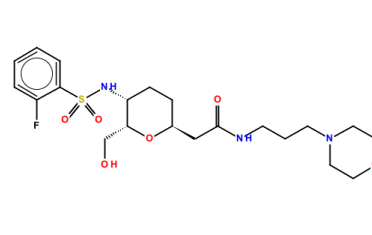
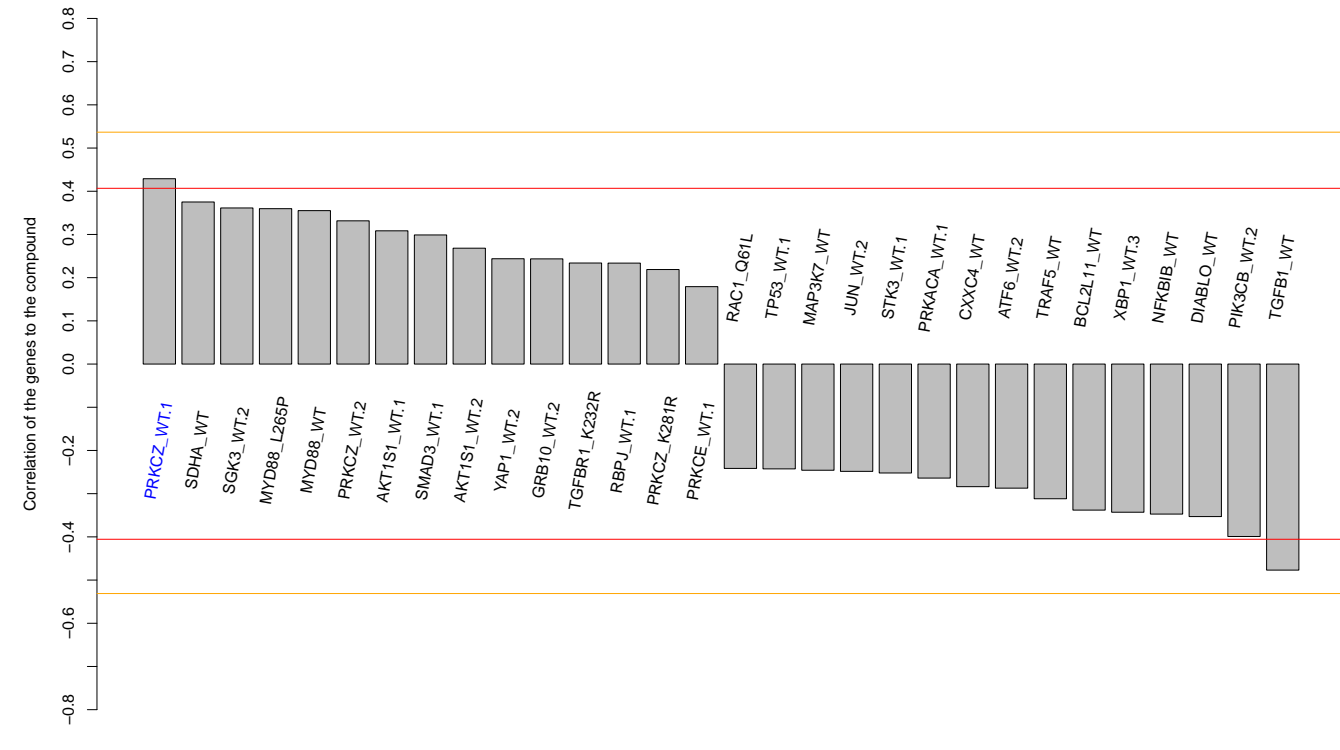
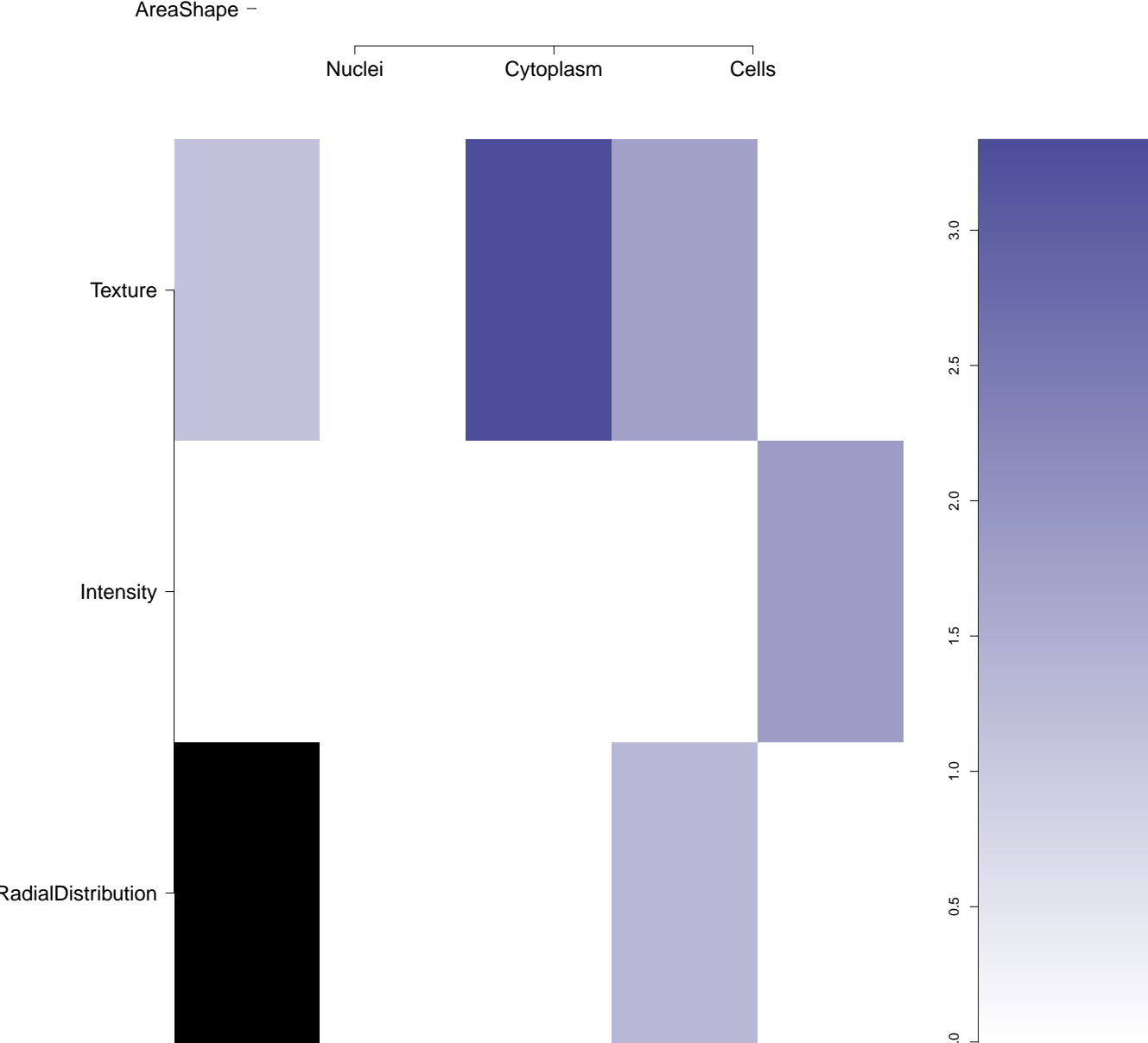

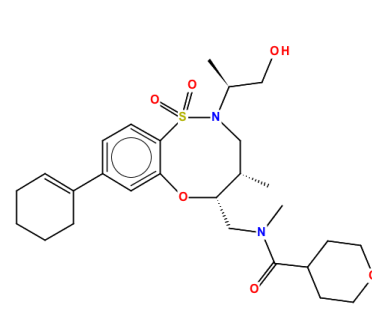
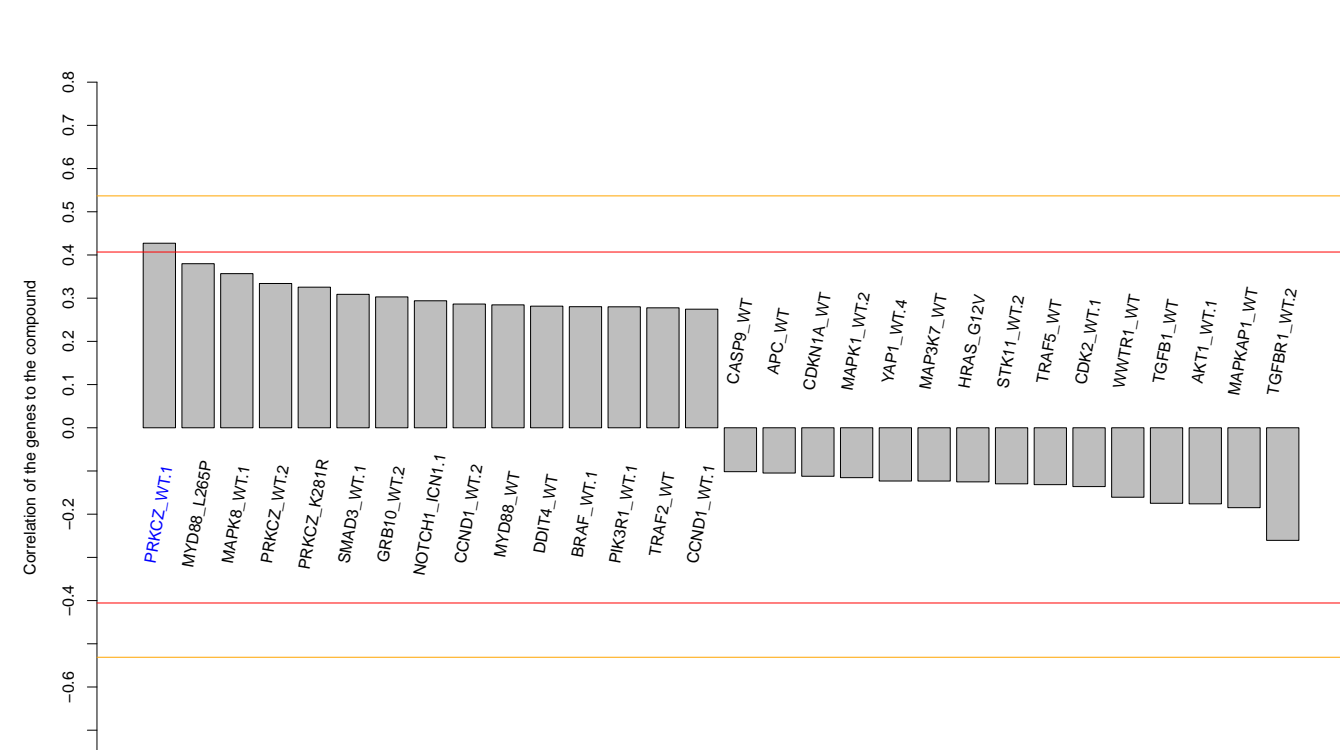
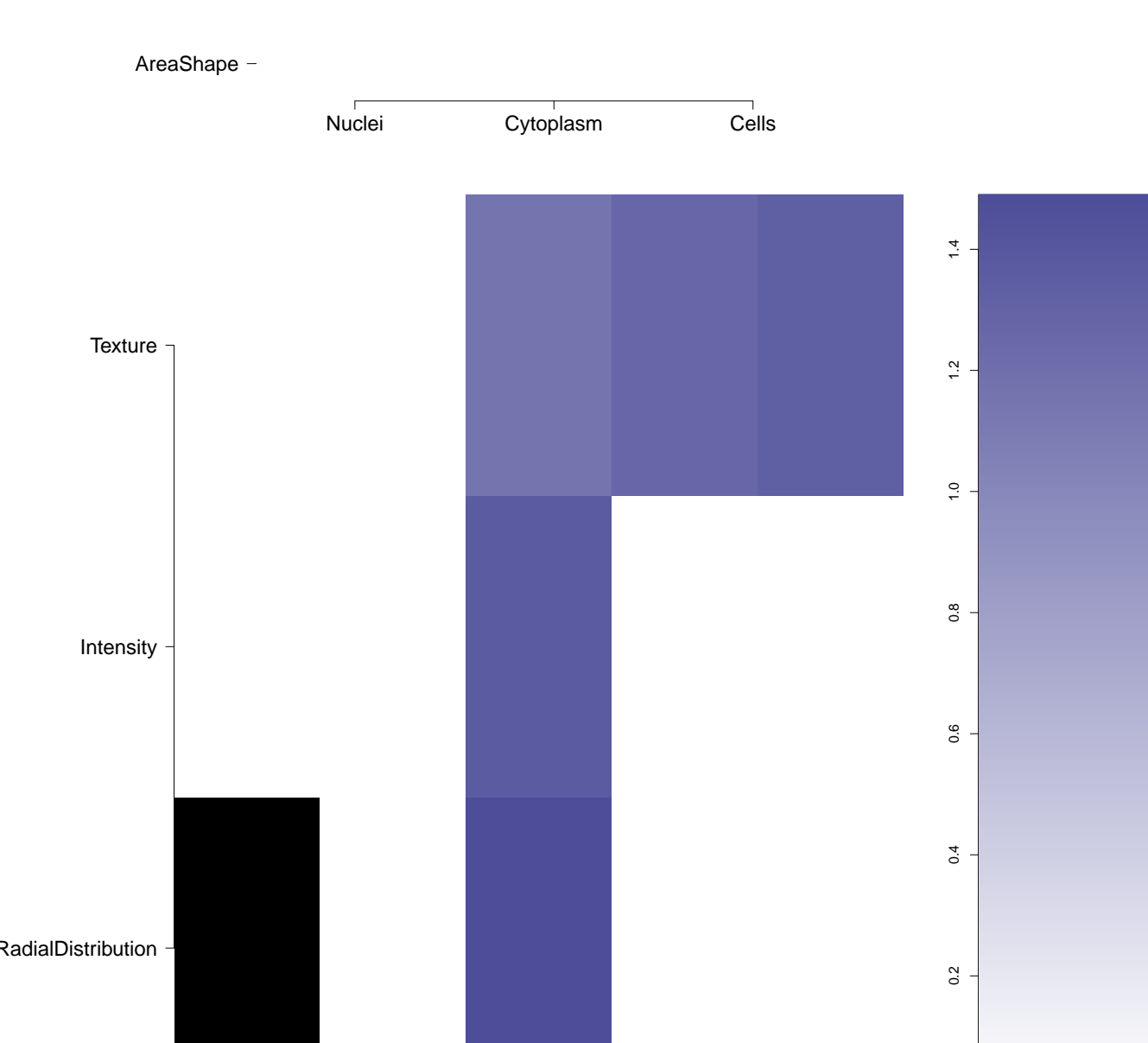
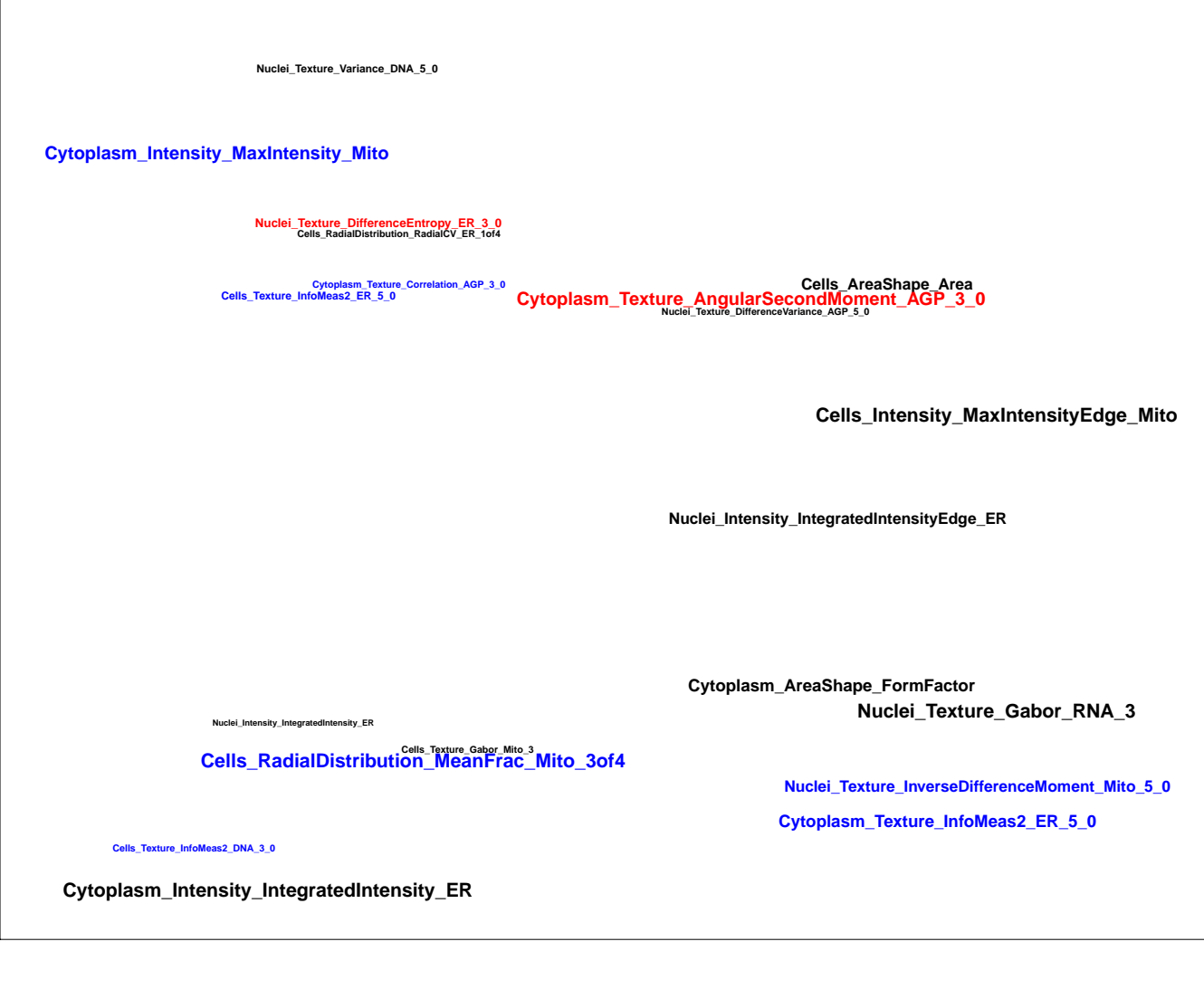
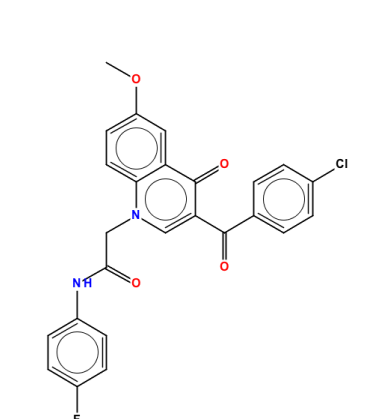
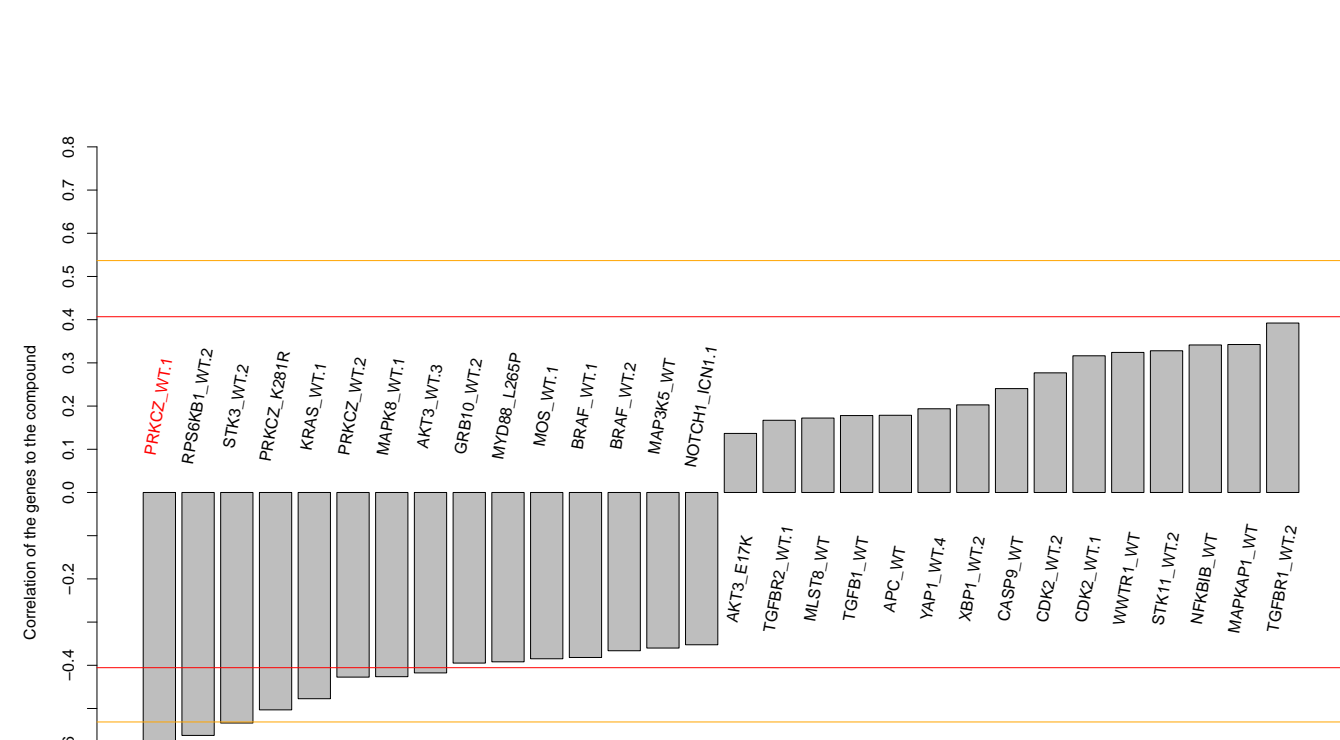
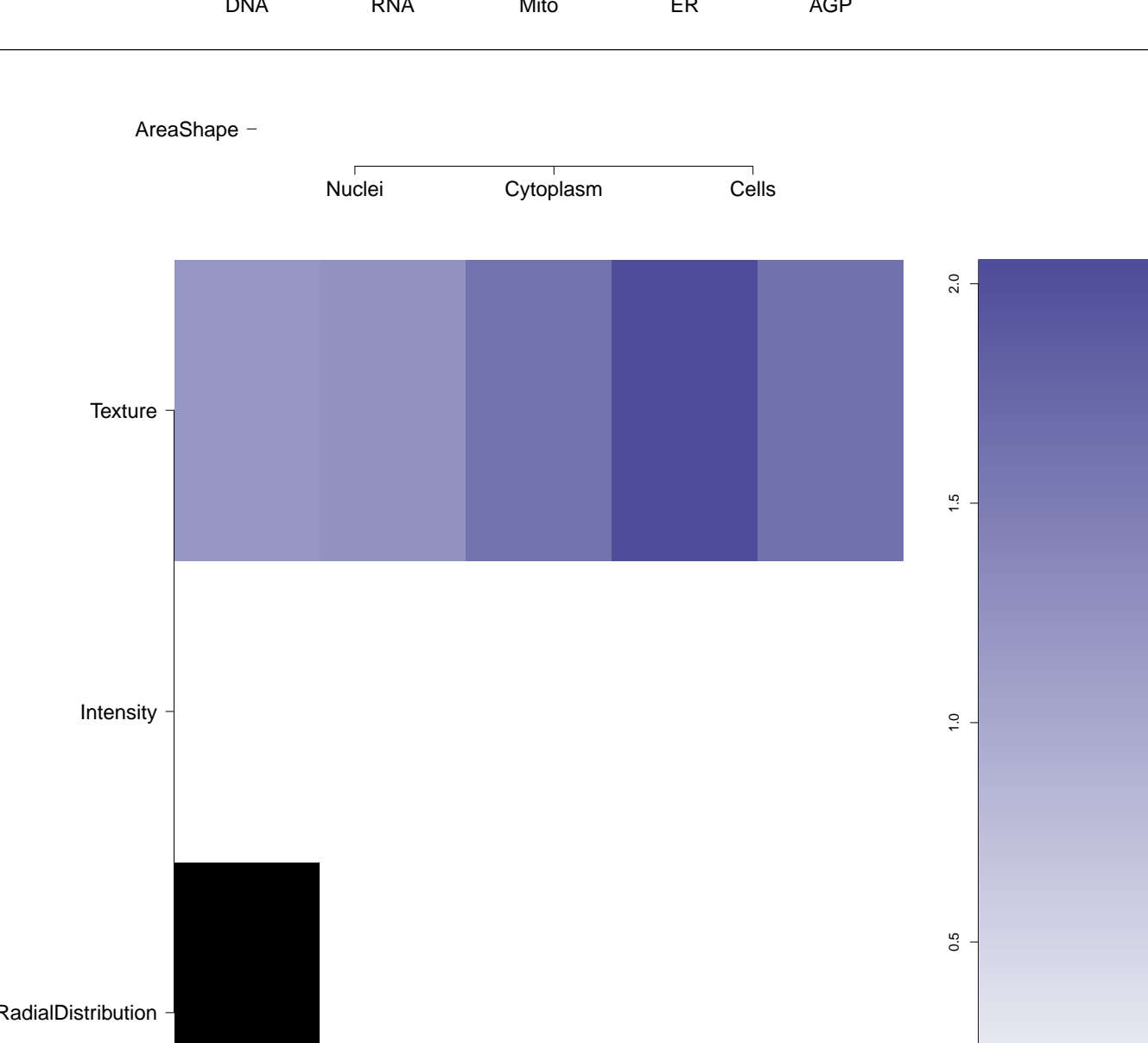
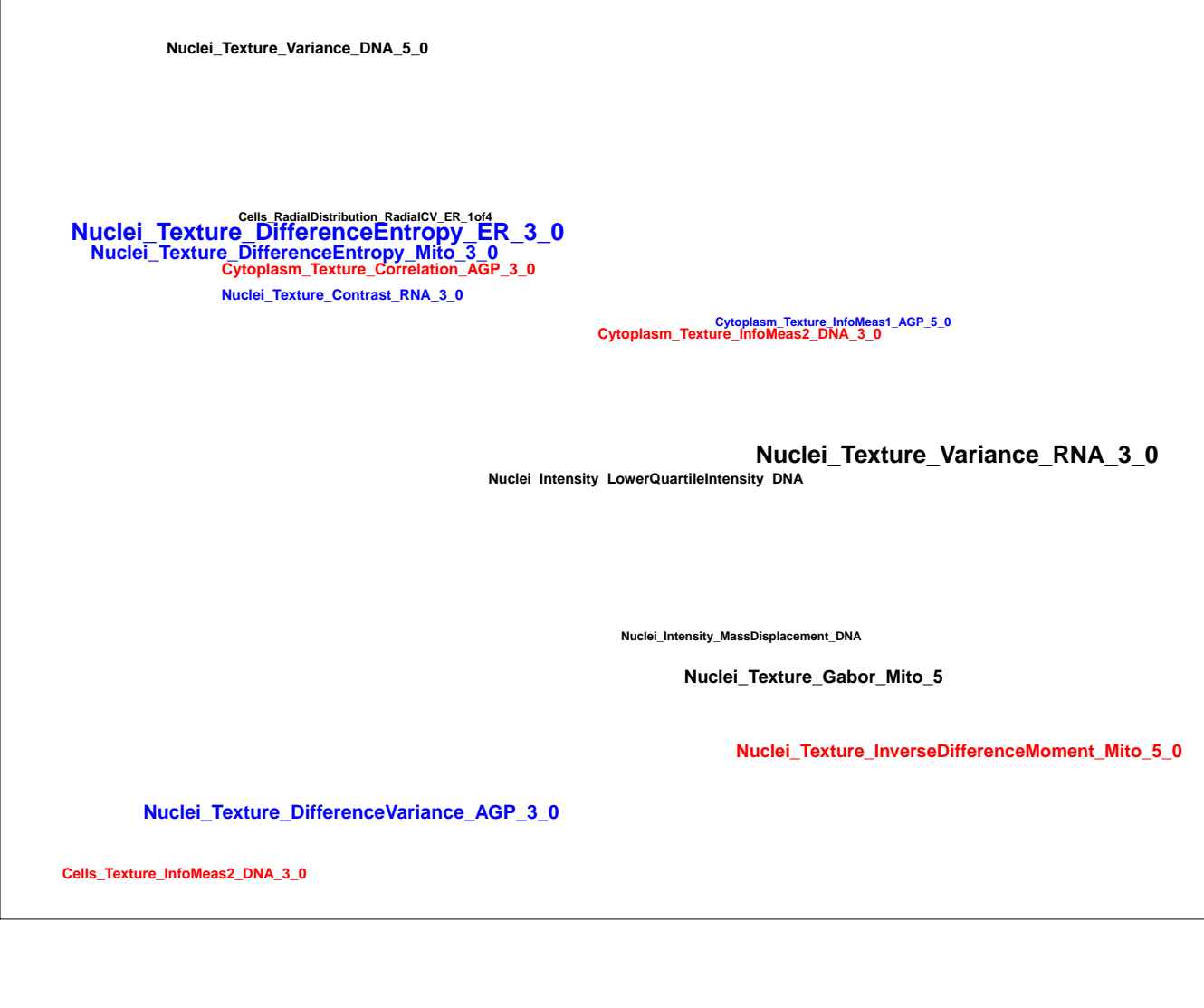
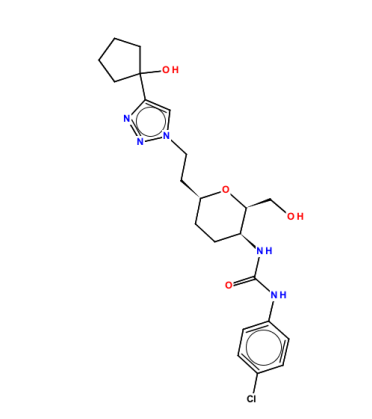
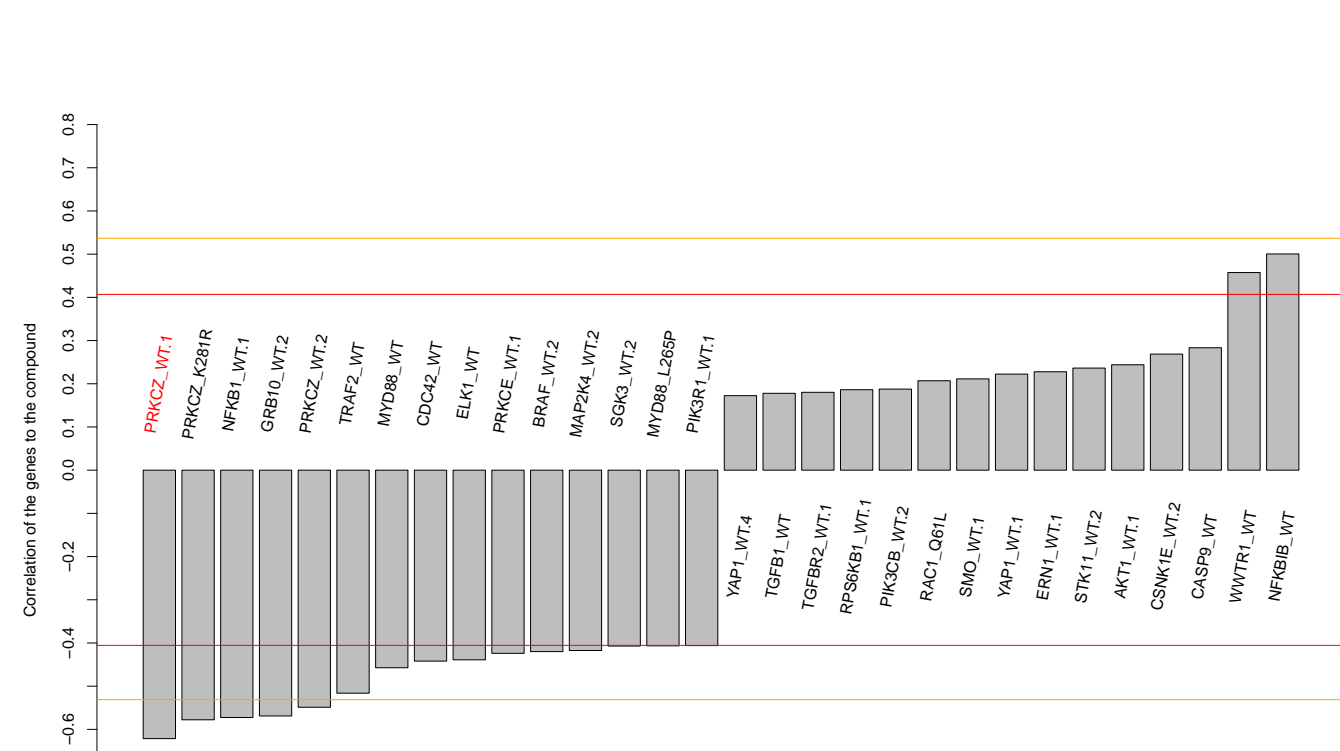
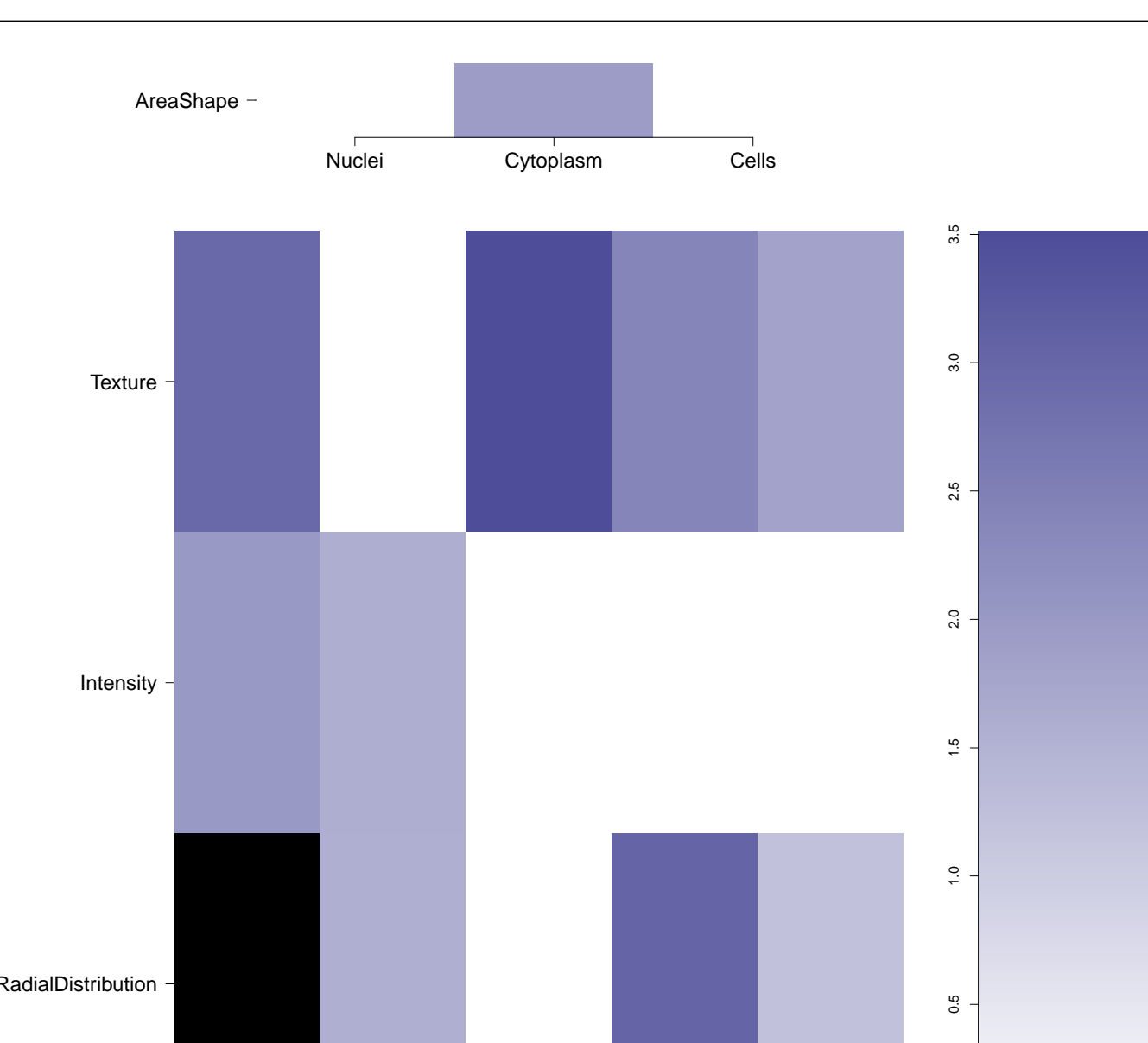



ER



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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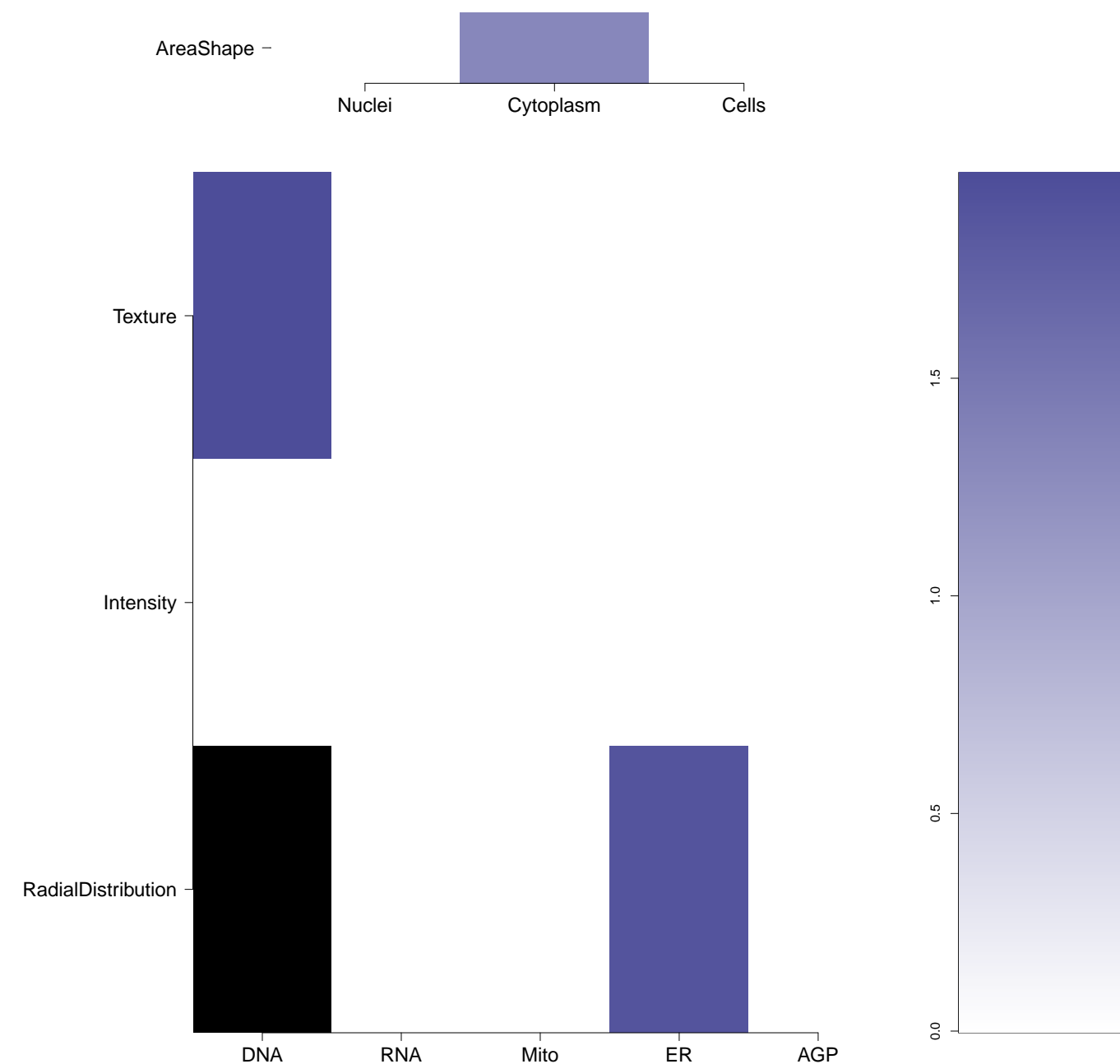
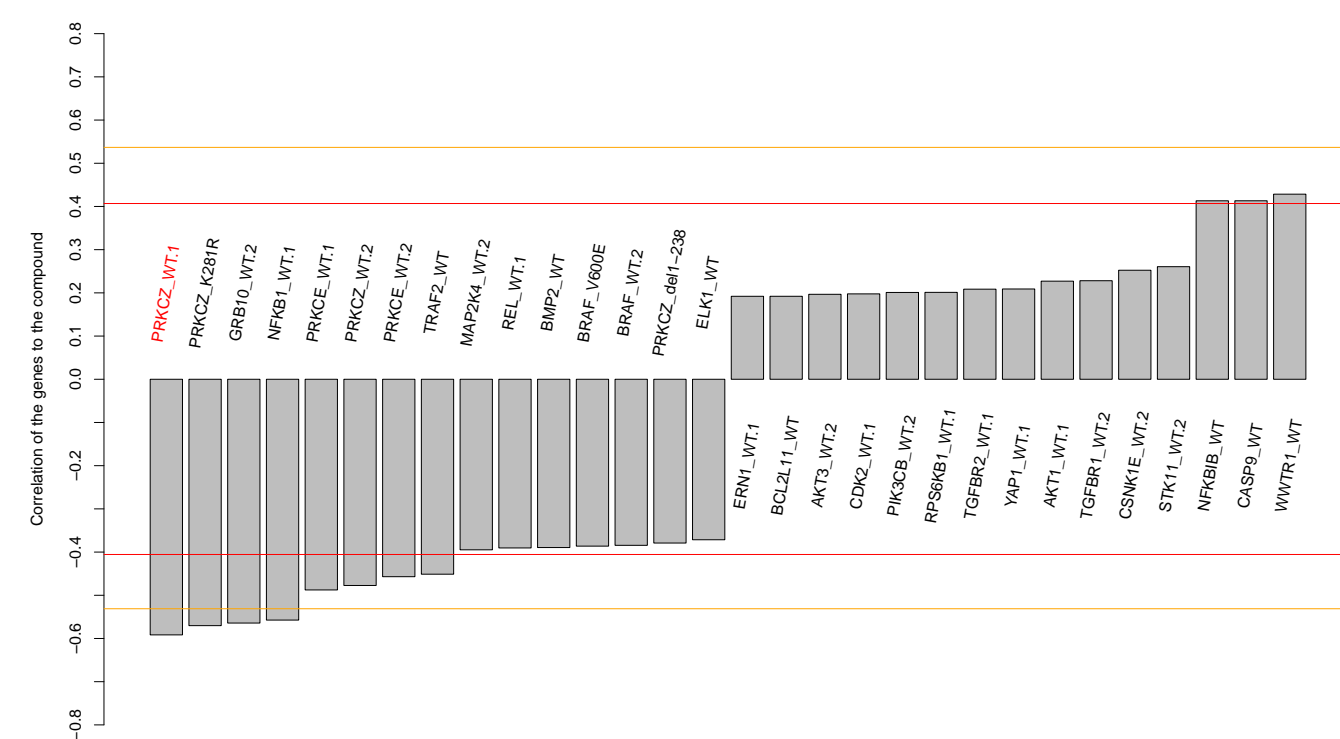
<div>BRD-K19061245-001-01-9</div> <div>PubChem CID : 54646112</div>	<div></div>	NA (in 1 replicates)	0.54	0.990	<div></div>	<div></div>	<div></div>	Total number of assays tested in: 39.
<div>BRD-K57239091-001-05-0</div> <div>ZINC04338445</div> <div>AC1OI4H0</div> <div>MLS000624384</div> <div>HMS2725H19</div> <div>ZINC4338445</div> <div>SMR000323687</div> <div>PB133693860</div> <div>F1850-0005</div> <div>PubChem CID : 7197007</div>	<div></div>	NA (in 1 replicates)	0.50	NA	<div></div>	<div></div>	<div></div>	Total number of assays tested in: 614. Active in the following assays: <ul style="list-style-type: none">Aqueous Solubility from MLSMR Stock Solutions (AID 1996)Counterscreen for inhibitors of 5-mCpG-binding domain protein 2 (MBD2): TR-FRET-based biochemical primary high throughput screening assay to identify inhibitors of binding of ubiquitin-like with PHD and ring finger domains 1 (UHRF1) to methylated oligonucleotide (AID 687016)
<div>BRD-K47728674-001-01-9</div> <div>PubChem CID : 54618833</div>	<div></div>	0.73 (in 3 replicates)	0.49	0.894	<div></div>	<div></div>	<div></div>	Total number of assays tested in: 36.
<div>BRD-K50015854-001-05-8</div> <div>MLS000539629</div> <div>9G-377S</div> <div>SMR000125287</div> <div>ZINC03116832</div> <div>AC1N8GPD</div> <div>BDBM49400</div> <div>HMS2186J22</div> <div>ZINC3116832</div> <div>CCG-191826</div> <div>PubChem CID : 4295181</div>	<div></div>	NA (in 1 replicates)	0.46	NA	<div></div>	<div></div>	<div></div>	Total number of assays tested in: 664. Active in the following assays: <ul style="list-style-type: none">Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932)High Throughput Screen to Identify Compounds that increase expression of NF-kB in Human Neuronal Cells - Primary Screen (AID 1239)Name: High Throughput Screen to Identify Compounds that increase expression of NF-kB in Human Neuronal Cells - Dose Response (AID 1241)Confirmation cell-based high throughput screening assay to measure STAT1 activation (AID 1262)qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458)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)Heat Shock Factor-1 (HSF-1) Measured in Cell-Based System Using Plate Reader - 2038-01 Activator SinglePoint-HTS-Activity (AID 504408)qHTS profiling assay for firefly luciferase inhibitor/activator using purified enzyme and Km concentrations of substrates (counterscreen for miR-21 project) (AID 588342)qHTS identification of modulators of interaction between CendB and NRP-1 using Fluorescence Polarization assay (AID 602438)qHTS of GLP-1 Receptor Inverse Agonists (Inhibition Mode) (AID 624417)Luminescence-based cell-based primary high throughput screening assay to identify activators of the DAF-12 from the parasite H. contortus (hcDAF-12) (AID 652067)Luminescence-based cell-based primary high throughput screening assay to identify agonists of the DAF-12 from the parasite H. glycines (hgDAF-12). (AID 687014)Luminescence-based cell-based high throughput confirmation assay to identify agonists of the DAF-12 from the parasite H. glycines (hgDAF-12). (AID 743050)

<div>BRD-K53566850-001-05-1 MLS000048987 SMR000074215 ZINC01473017 AC1LTX7S MLS001384889 MLS002699449 BDBM61603 HMS2164P19 ML144 ZINC1473017 STK109971 ST50056322 VU0190045-4 T5751753 F1405-0593 PubChem CID : 1542103</div>	<div></div>	NA (in 1 replicates)	0.46	NA	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 793. Active in the following assays:<ul style="list-style-type: none">HTS for BAP1 Enzyme inhibitors (AID 436)CYP2C9 Assay (AID 777)qHTS Assay for Inhibitors of HSD17B4, hydroxysteroid (17-beta) dehydrogenase 4 (AID 893)Primary cell-based high-throughput screening assay for antagonists of NPY-Y1 (AID 1040)High Throughput Screen to Identify Compounds that Suppress the Growth of Human Colon Tumor Cells Lacking Oncogenic Beta Catenin Expression - Dose Response (AID 1045)High Throughput Screen to Identify Compounds that Suppress the Growth of Cells with a Deletion of the PTEN Tumor Suppressor - Dose Response (AID 1047)Counterscreen assay for antagonists of neuropeptide Y receptor Y1 (NPY-Y1): Cell-based high throughput assay to measure NPY-Y2 antagonism (AID 1255)Image-Based HTS for Selective Antagonists of GPR35 (AID 2058)Summary of Image-based HTS for Selective Antagonists of GPR35 (AID 2070)Primary cell-based high-throughput screening assay for identification of compounds that inhibit KCNQ2 potassium channels (AID 2156)SAR analysis of Antagonists of the GPR35 Receptor using an Image-Based Assay - Set 2 (AID 2480)A Cell Based Secondary Assay To Explore Cytotoxicity of Compounds that Inhibit Mycobacterium Tuberculosis (AID 435019)Inhibitors of Cav3 T-type Calcium Channels: Primary Screen (AID 449739)High Throughput Screening Assay used to Identify Novel Compounds that Inhibit Mycobacterium Tuberculosis in 7H9 Media (AID 449702)A High Throughput Confirmatory Assay used to Identify Novel Compounds that Inhibit Mycobacterium Tuberculosis in the absence of Glycerol (AID 449764)Nrf2 qHTS screen for inhibitors (AID 504444)HTS for Beta-2AR agonists via FAP method (AID 504454)Dose response for HTS for Beta-2AR agonists via FAP method from CP1 (AID 588703)Dose response for HTS for Beta-2AR agonists via FAP method from Powderse3 (AID 623947)Parallel artificial membrane permeability assay at pH 7.4 (AID 624339)Counter screen for HTS for Beta-2AR agonists with FAP-tagged human GPR32 with Powderse3 (AID 651853)Counter screen for HTS for Beta-2AR agonists with FAP-tagged human CCR5 with Powderse3 (AID 651855)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-K69655916-001-01-5 PubChem CID : 54641262</div>	<div></div>	NA (in 1 replicates)	0.43	NA	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 43.</div>
<div>BRD-K09275191-001-01-1 PubChem CID : 54619543</div>	<div></div>	0.67 (in 4 replicates)	0.43	0.991	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 38.</div>
<div>BRD-K08564028-001-04-2 F1602-0395 AC1M21WZ MLS000724735 HMS2255H24 ZINC2688545 ZINC02688545 SMR000237570 PubChem CID : 2135408</div>	<div></div>	NA (in 1 replicates)	-0.63	NA	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 648. Active in the following assays:<ul style="list-style-type: none">Activator for delta FosB/delta FosB homodimer Measured in Biochemical System Using Plate Reader - 2072-01 Activator SinglePoint-HTS Activity (AID 493131)uHTS identification of DNMT1 inhibitors in a Fluorescent Molecular Beacon assay (AID 588458)uHTS luminescent assay for identification of compounds that enhance the survival of human induced pluripotent stem cells when cultured as single cells (AID 602274)Dose response confirmation of uHTS hits that enhance the survival of human induced pluripotent stem cells when cultured as single cells in a luminescent assay (AID 623861)Dose response confirmation of uHTS hits that enhance the survival of human induced pluripotent stem cells when cultured as single cells in a fluorescent-based, imaging assay (AID 624115)</div>
<div>BRD-K48818351-001-01-7 PubChem CID : 54641364</div>	<div></div>	NA (in 1 replicates)	-0.62	NA	<div></div>	<div></div>	<div></div>	<div>Total number of assays tested in: 37.</div>

Cc1ccc(NC(=O)OCC2=CC=CC=C2)cc1

-0.59

NA

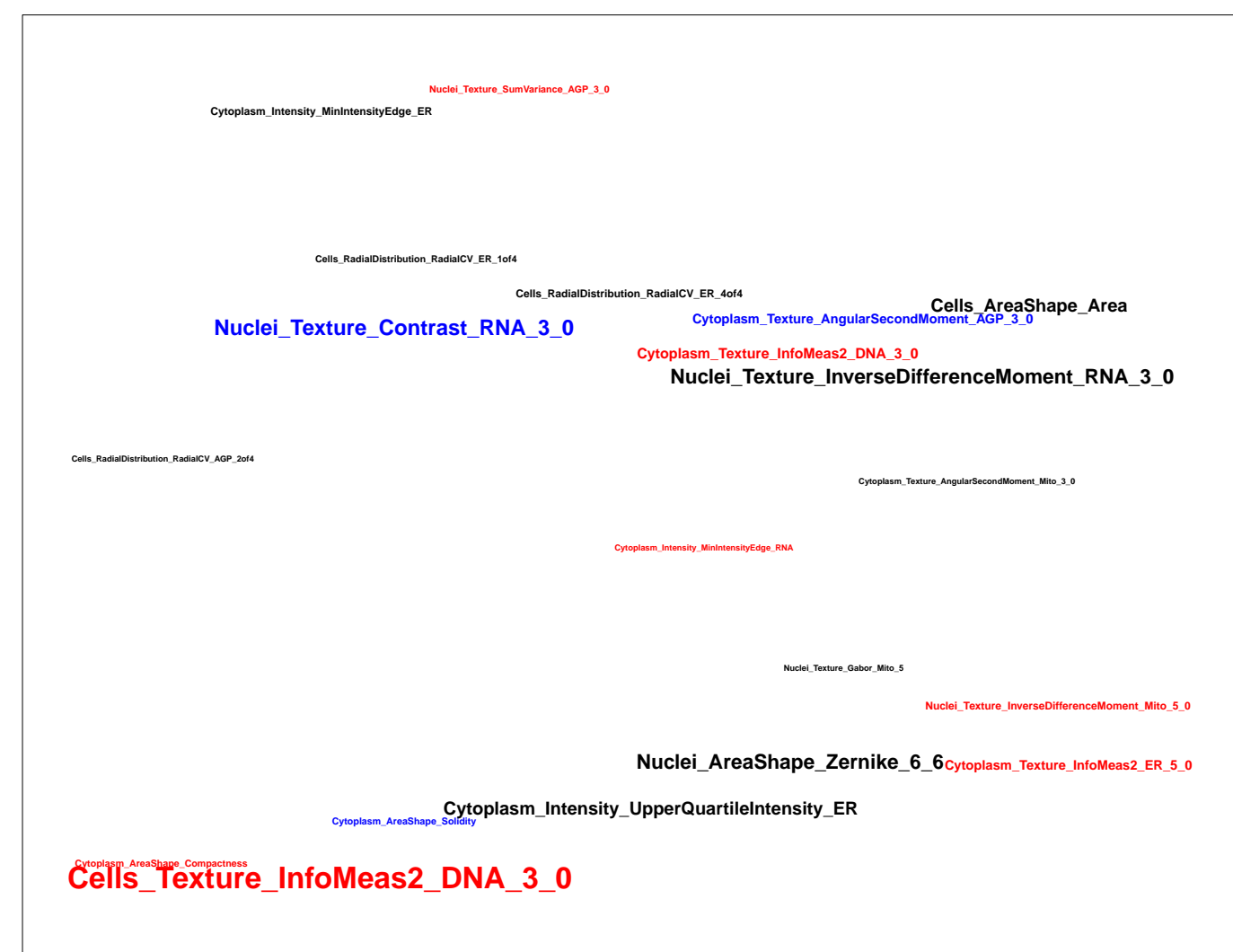
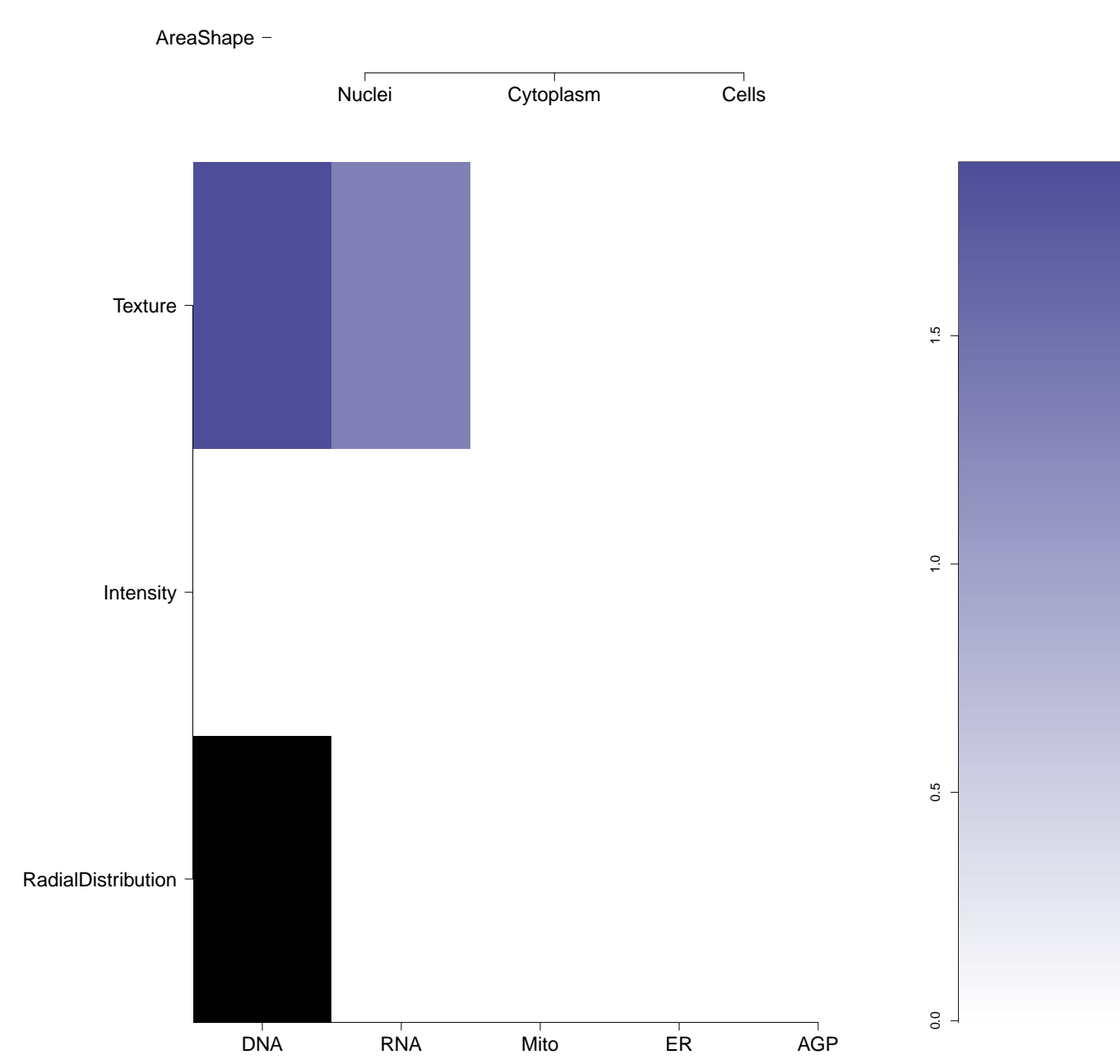
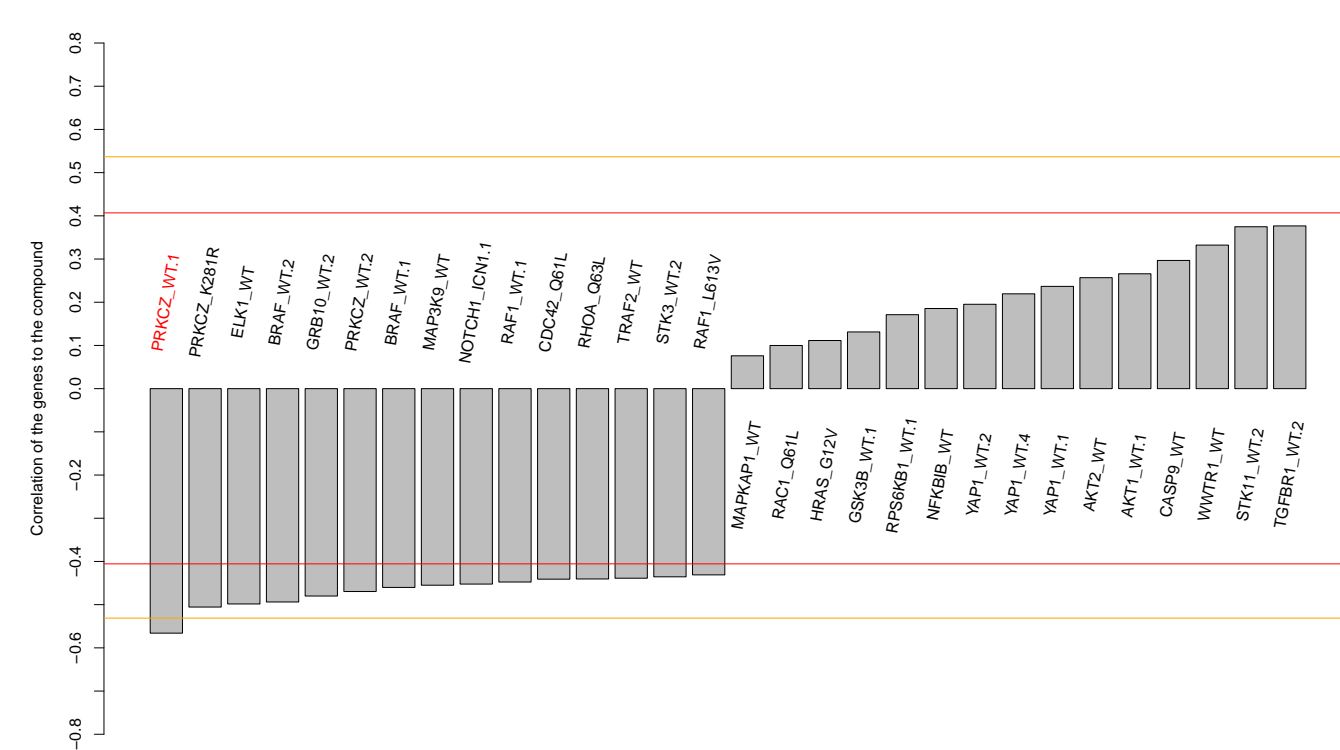


Total number of assays tested in: 750. Active in the following assays:

- Primary Coll-based High Throughput Screening assay for activators of the nuclear receptor Steroidogenic Factor 1 (SF-1) (AID 522)
- Primary Coll-based High Throughput Screening assay for activators of the Retinoic Acid Receptor-related orphan receptor A (ROR α) (AID 560)
- Primary Antimicrobial Assay for E. coli BW25131 and 87103(Δ OC-kan) Protocol for 384-well plates (AID 573)
- Antimicrobial Assay for E. coli BW25131 and 87103(Δ OC-kan - Dose Response) (AID 617)
- qHTS Assay for Inhibitors of HPGD (15-Hydroxyprostaglandin Dehydrogenase) (AID 894)
- Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932)
- HTS Assay for Activators of Cytochrome P450 2A9 (AID 1024)
- MLNCPN - Alpha-Synuclein - 5'UTR - 5'UTR binding - activators (AID 1814)
- qHTS Assay for Modulators of miRNAs and/or Inhibitors of miR-21 (AID 2289)
- Cycloheximide CounterScreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)
- A qHTS for Small Molecule Inhibitors of Shiga Toxin (AID 2315)
- uHTS identification of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 46390)
- Single concentration confirmation of small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 462313)
- qHTS Assay for NPC1 Promoter Activators (AID 485313)
- HTS Assay for Allosteric Antagonists of the Human D2 Dopamine Receptor: Primary Screen for Antagonists (AID 485344)
- Dose Response confirmation of uHTS small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 493055)
- Dose Response confirmation of uHTS small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 504542)
- Dose Response confirmation of uHTS small molecule inhibitors of tim10-1 yeast via a luminescent assay (AID 504544)
- MTFE Measured in Coll-Based System Using Plate Reader - 2084-0L Activator Dose_CherryPick_Activity (AID 540258)
- MTFE Measured in Coll-Based System Using Plate Reader - 2084-0L Activator SinglePlate_HITS_Activity (AID 585834)
- qHTS profiling assay for firstly luciferase inhibitory factor using purified enzyme and Km concentrations of substrates (counterScreen for miR-21 project) (AID 585842)
- Screen for inhibitors of the SWI/NF chromatin remodeling complex (esBAF) in mouse embryonic stem cells with luciferase reporter assay Measured in 384-well plates Using Plate Reader - 2114-01 Inhibitor SinglePlate_HITS_Activity (AID 602303)
- qHTS Assay to Identify Small Molecule Activators of BRCA1 Expression (AID 624202)

-0.57

NA

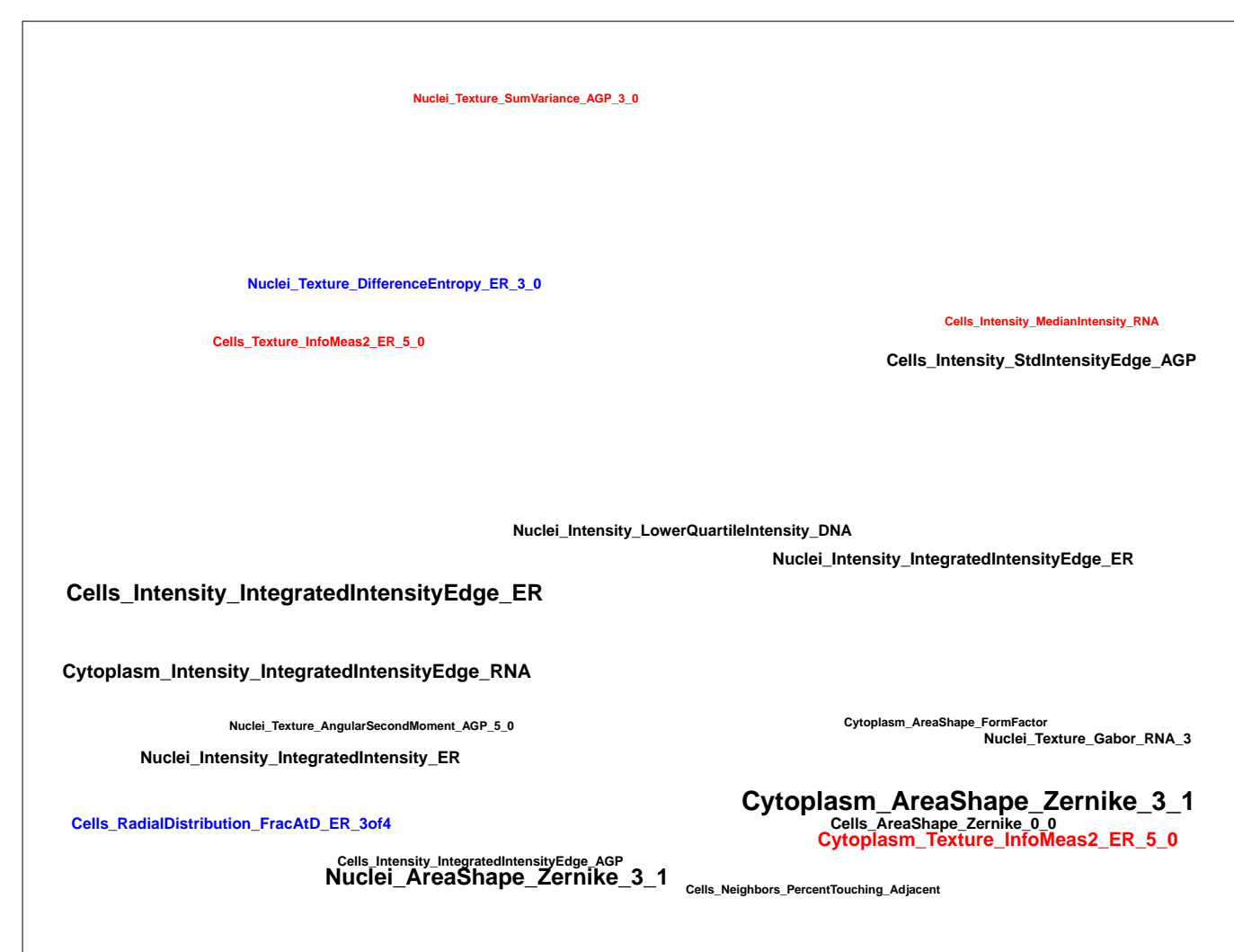
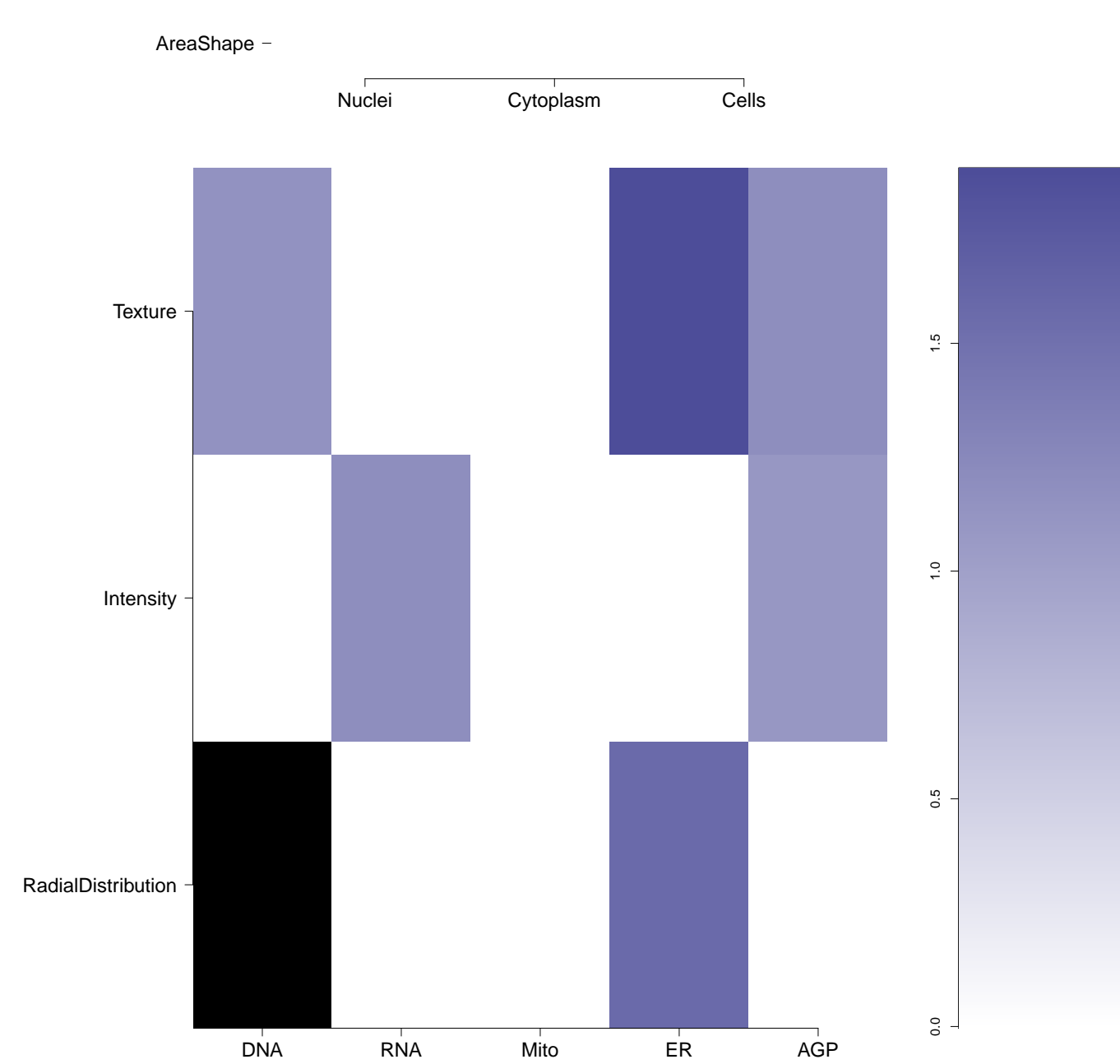
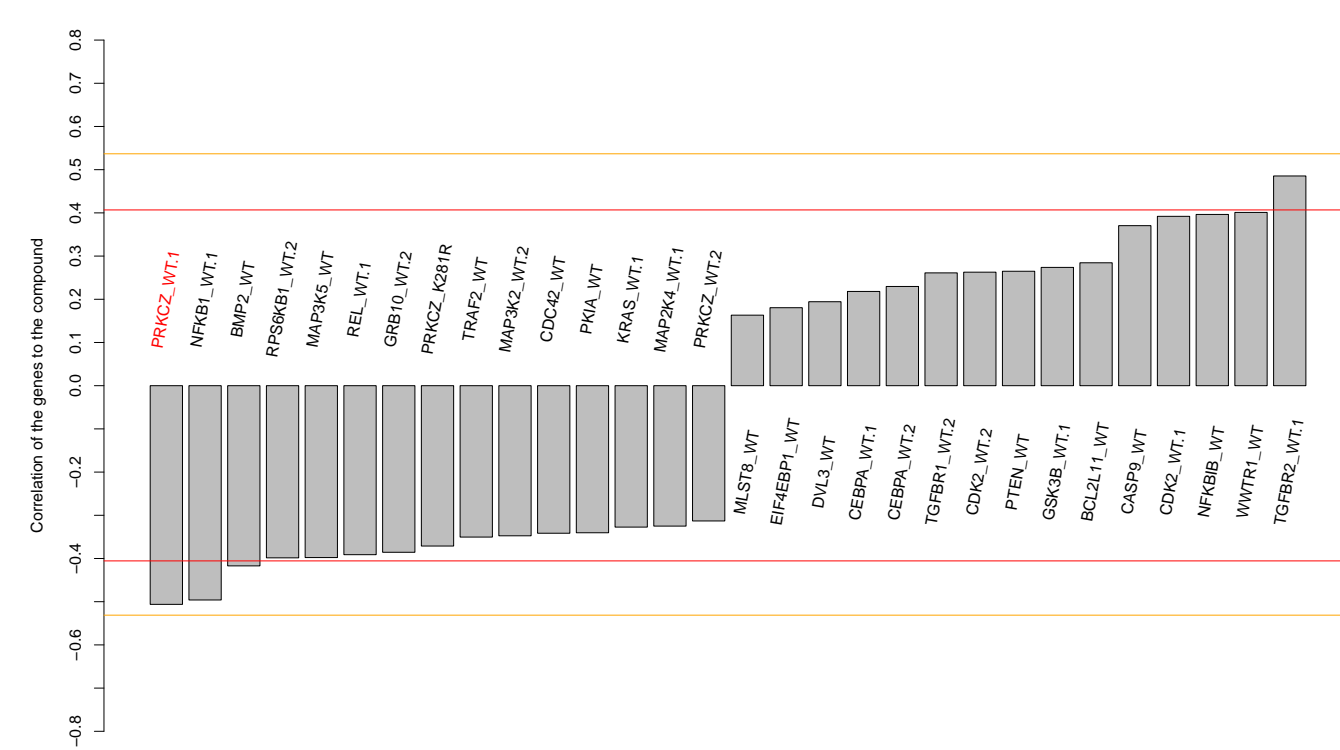


Total number of assays tested in: 39.
Active in the following assays:

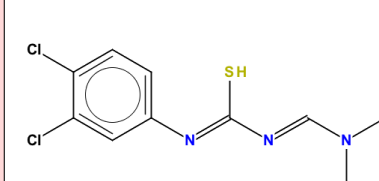
- Plasmodium falciparum Dd2 Sybr green parasite growth Measured in Cell-Based and Microorganism Combination System Using Plate Reader - 2153-05.Inhibitor Dose.CherryPick.Activity (AID 1159567)

-0.51

0.199



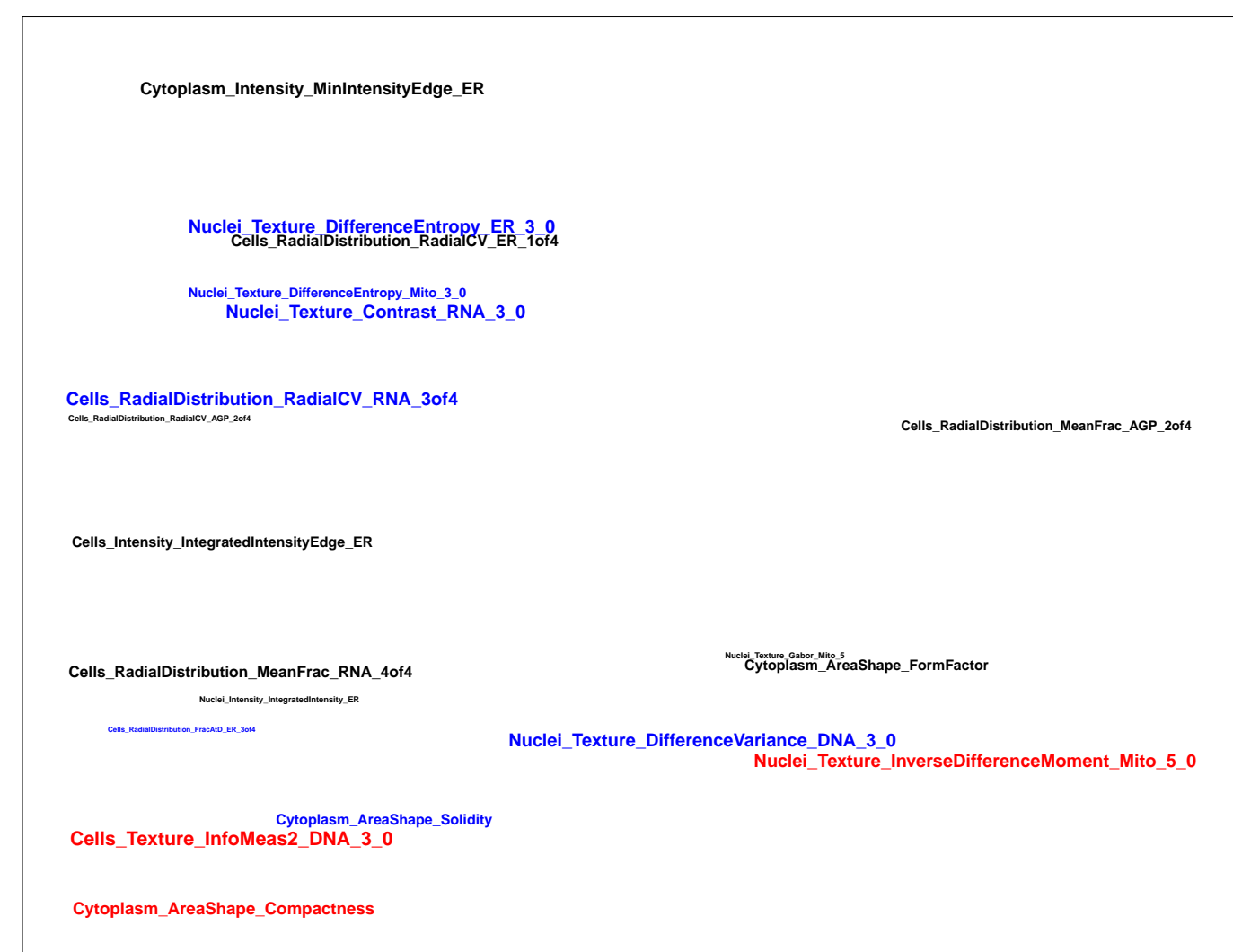
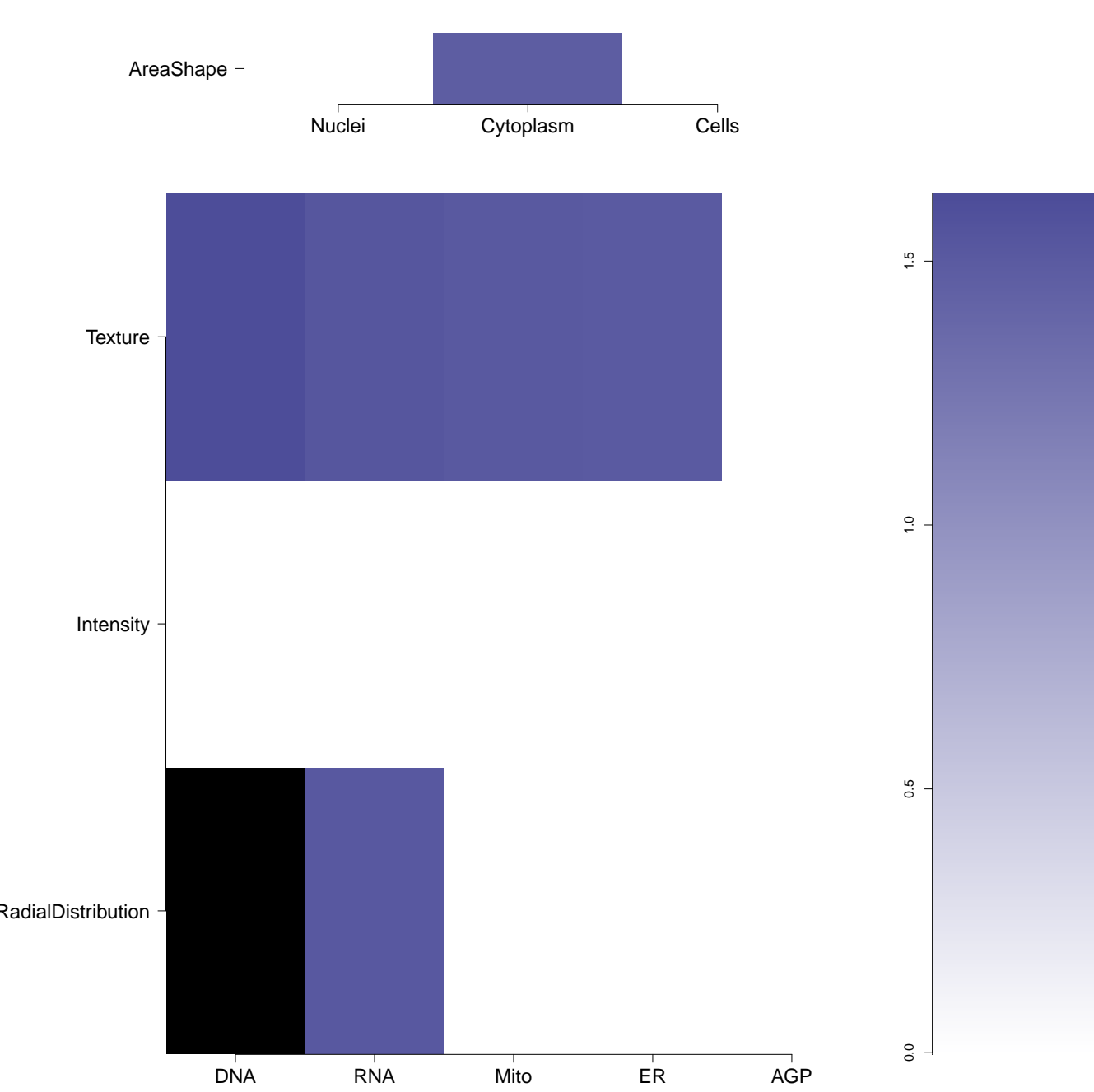
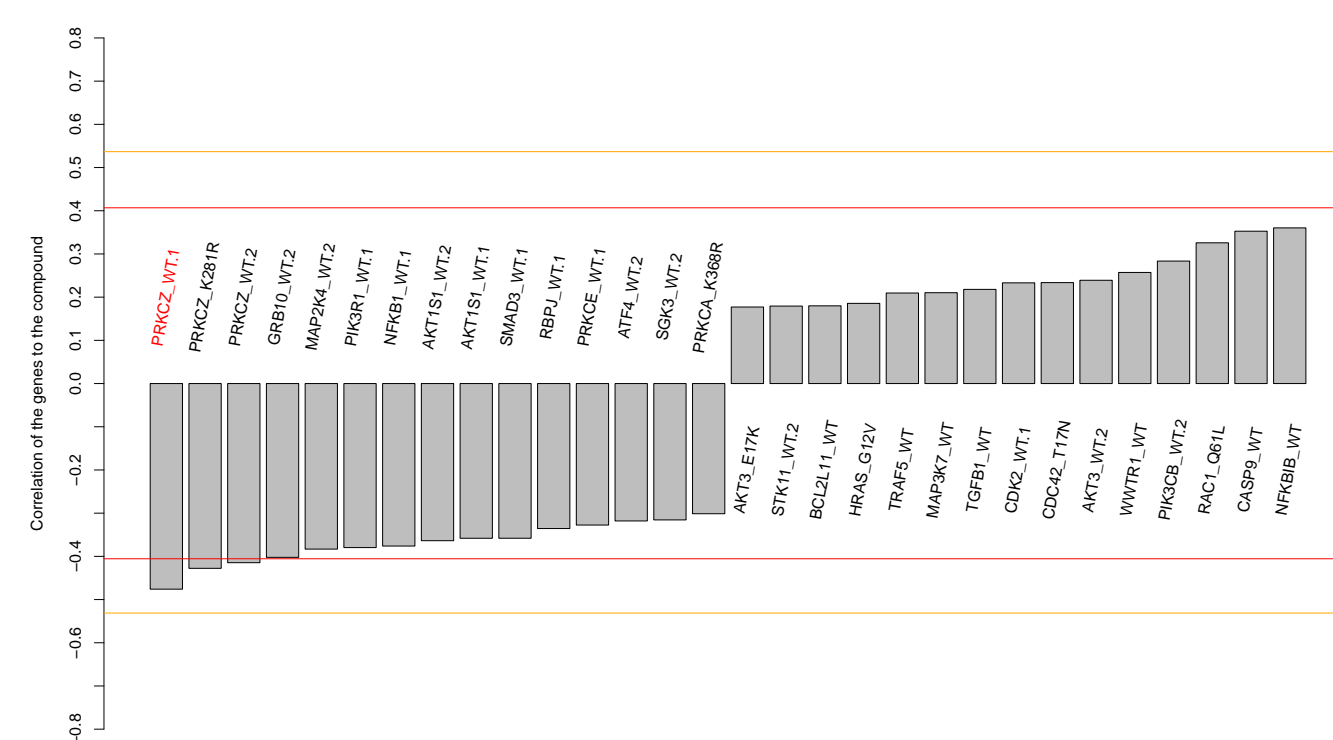
BRD-K86221339-001-05-5
8D-070
MLS000694865
SMR000333186
PubChem CID : 9608829



0.62 (in 4 replicates)

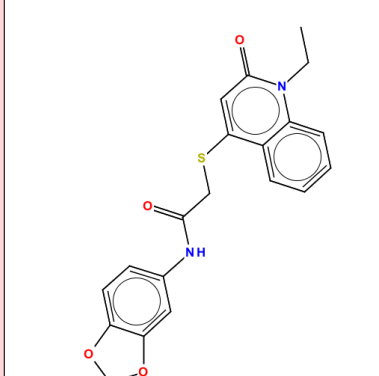
-0.48

NA



- Total number of assays tested in: 635. Active in the following assays:
 - 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)
 - VP16 counterscreen qHTS for inhibitors of ROR gamma transcriptional activity (AID 2540)
 - qHTS for inhibitors of ROR gamma transcriptional activity (AID 2551)
 - qHTS Luminescent assay for identification of inhibitors of Serine-specific protease 6 (SEN6P) (AID 2599)
 - Single concentration confirmation of qHTS for inhibitors of Serin-specific protease 8 (SEN8P) using a Luminescent assay (AID 488912)
 - Single concentration confirmation of qHTS for inhibitors of Serin-specific protease 6 (SEN6P) using a Luminescent assay (AID 488915)
 - Single concentration confirmation of qHTS for inhibitors of Serin-specific protease 7 (SEN7P) using a Luminescent assay (AID 488917)
 - Single concentration confirmation of inhibitors of Serin-specific proteases (SENPs) using a Luminescent assay (AID 488918)
 - qHTS screening assay for firefly luciferase inhibitor using purified enzyme and Km concentrations of substrates (counterscreen for mlr-21 project) (AID 588342)
 - Screen for inhibitors of the SWI/SNF chromatin remodeling complex (esNF) in mouse embryonic stem cells with Luciferase reporter assay Measured in Cell-Based System Using Plate Reader - 2141-06 Inhibitor.SinglePoint HTS.Activity (AID 60236)
 - qHTS for Inhibitors of PLK1-PDB (polo-like kinase - polo-box domain); Primary Screen (AID 726054)
 - qHTS for Inhibitors of Inflammation Signaling: IL-1beta AlphaLISA Primary Screen (AID 743729)

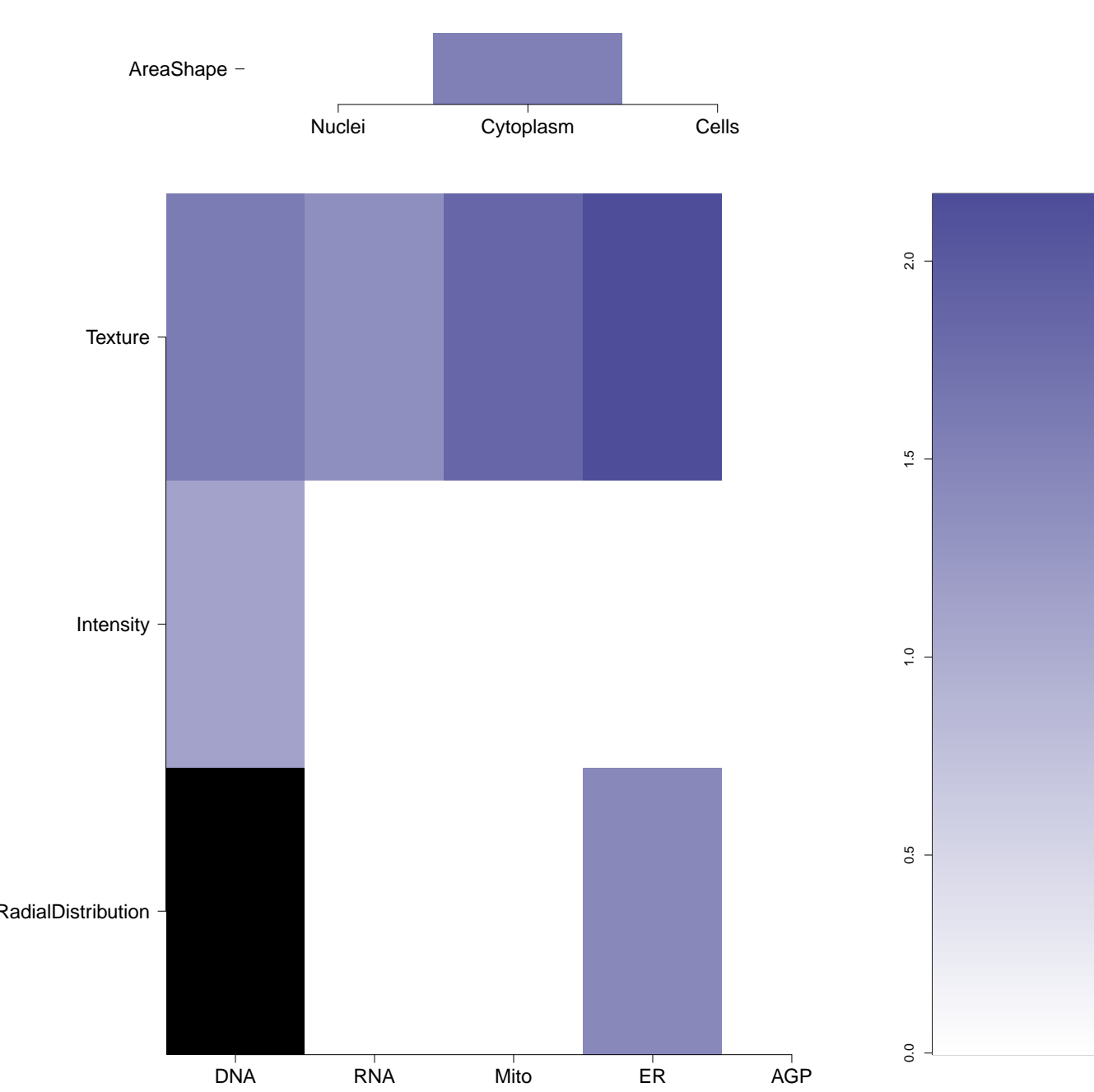
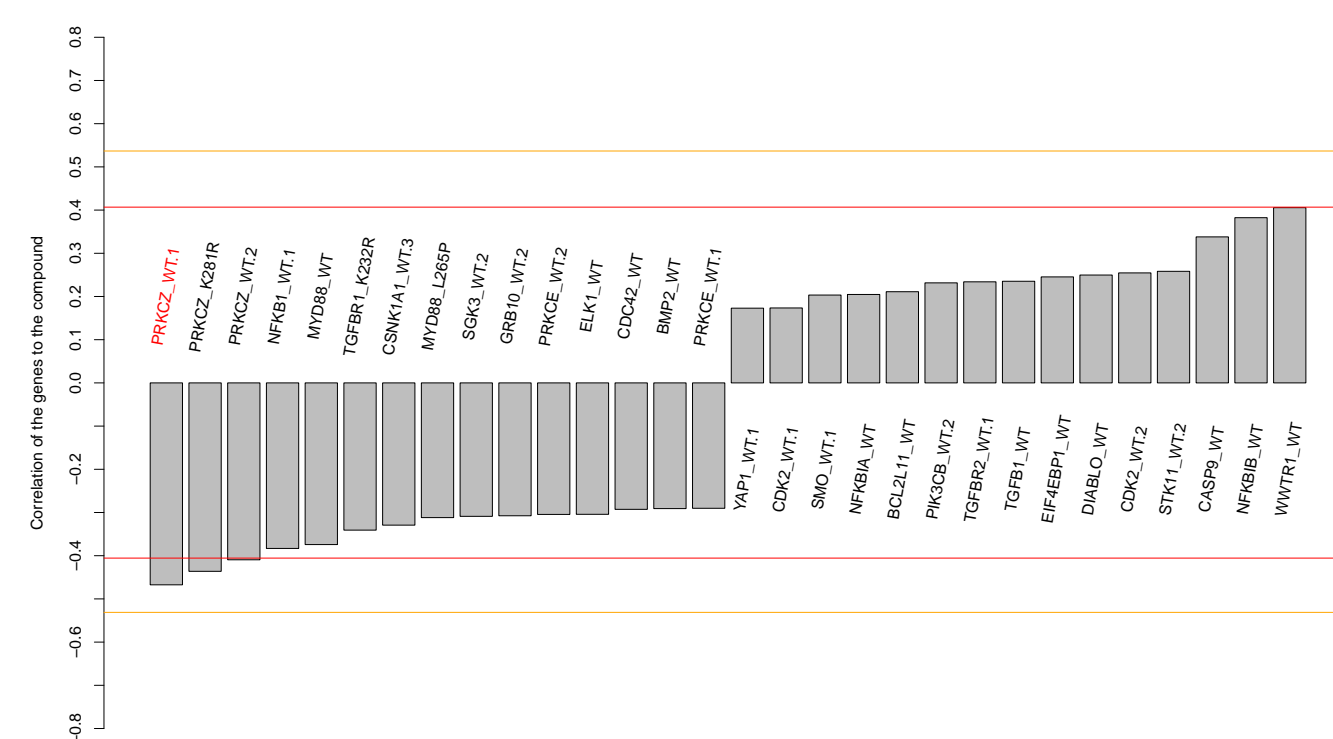
BRD-K64238993-001-05-2
SMR000028039
MLS0000092489
AC1MMQG6
BDBM47104
HMS2441L05
ZINC4076664
PubChem CID : 3242817



0.53 (in 4 replicates)

-0.47

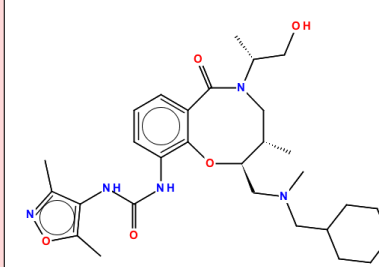
NA



Total number of assays tested in: 772. Active in the following assays:

- Primary biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 1 (SRC-1) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 631)
- Allotestic Modulators of D1 Receptors: Primary Screen (AID 641)
- Allotestic Modulators of D1 Receptors: Confirmation Screen (AID 642)
- Primary biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 3 (SRC-3) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 731)
- CYP2C19 Assay (AID 778)
- Allotestic Modulators of D1 Receptors: Dose-dependent Counterscreen (AID 857)
- Allotestic Modulators of D1 Receptors: Dose-dependent Assay (AID 858)
- Primary biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 2 (SRC-2) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1032)
- Measurement of TR-FRET detection format for agonists of the steroid agonists of steroid receptor coactivator 2 (SRC-2) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1049)
- Confirmation biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 2 (SRC-2) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1297)
- Confirmation biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 1 (SRC-1) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1300)
- Confirmation biochemical High Throughput Screening assay for agonists of the steroid receptor coactivator 3 (SRC-3) recruitment by the peroxisome proliferator-activated receptor gamma (PPARgamma) (AID 1301)
- Cycloheximide Counterscreen for Small Molecule Inhibitors of Shiga Toxin (AID 2314)

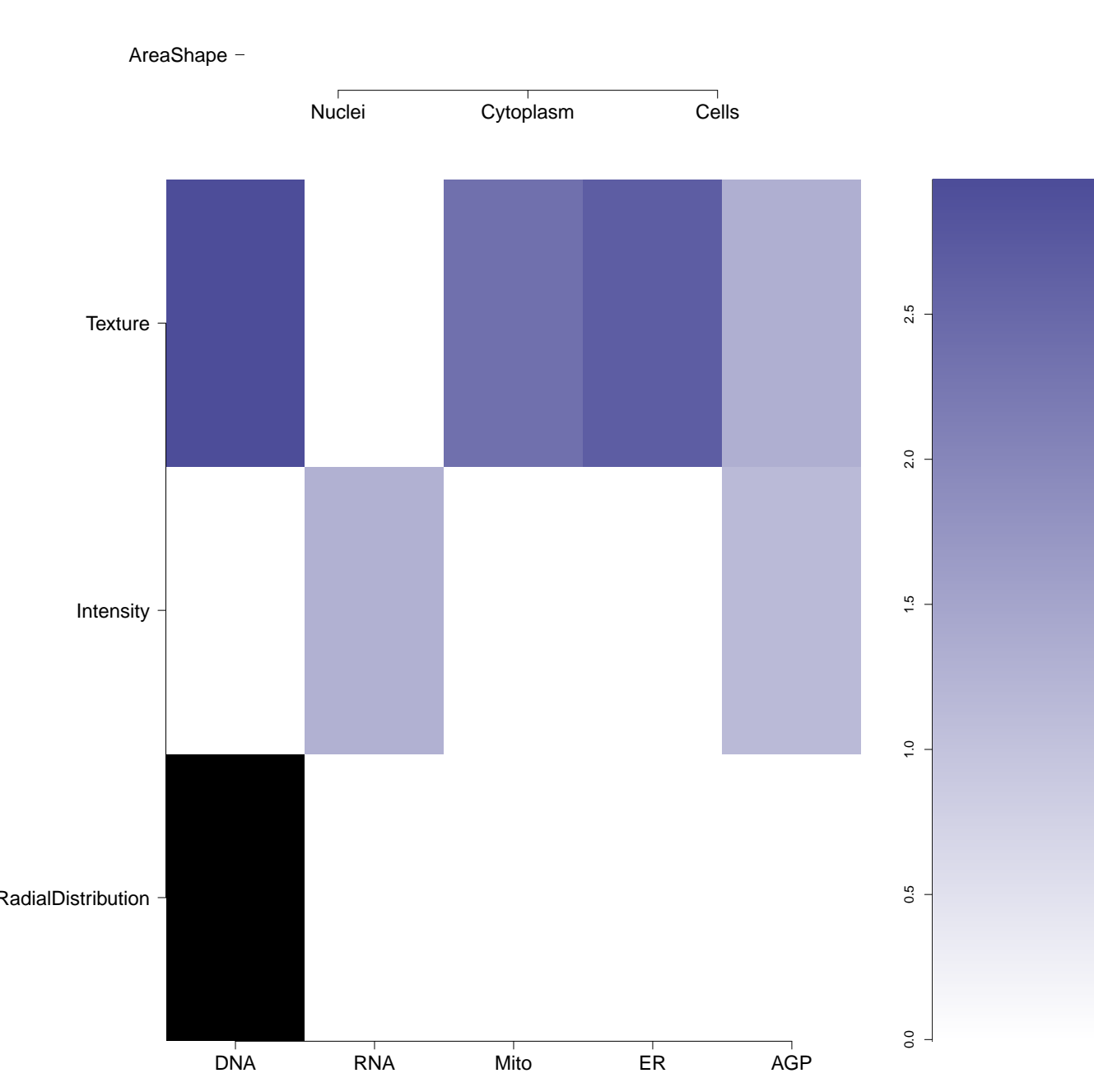
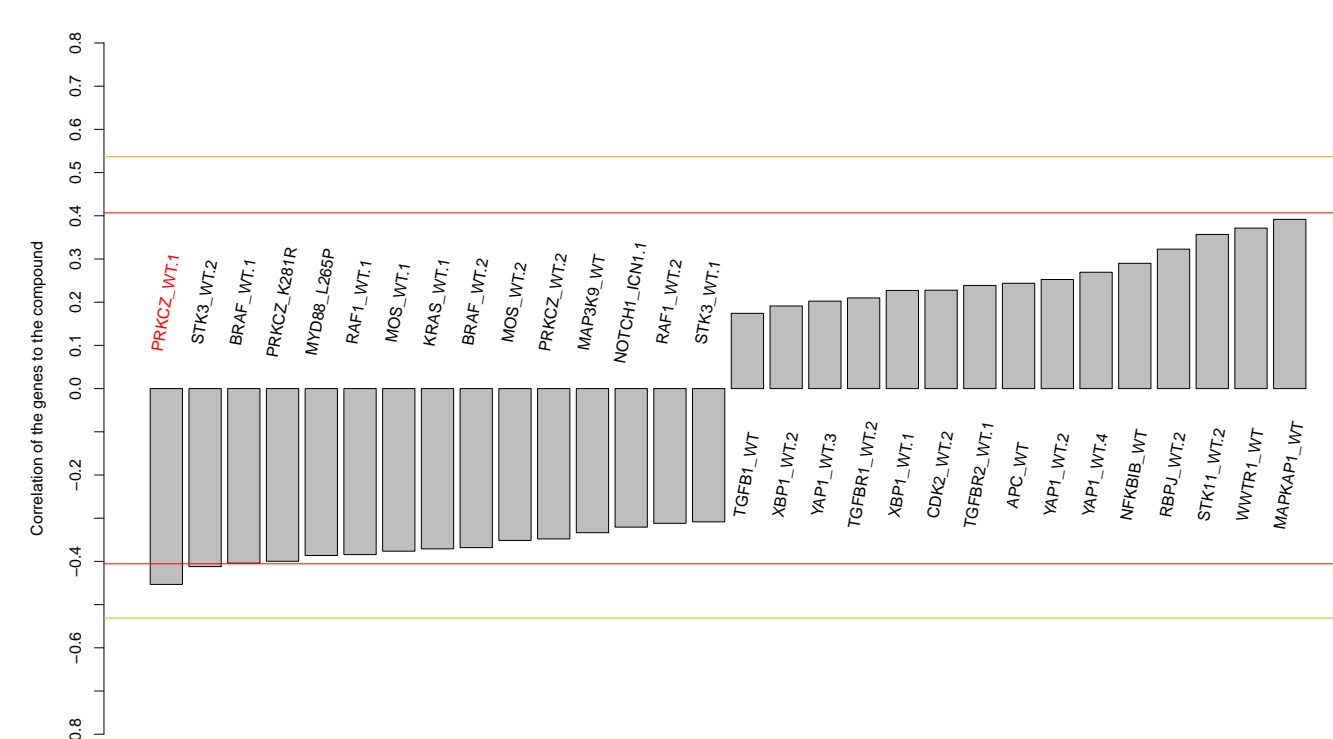
BRD-K90485414-001-01-7
PubChem CID : 44498292



0.52 (in 4 replicates)

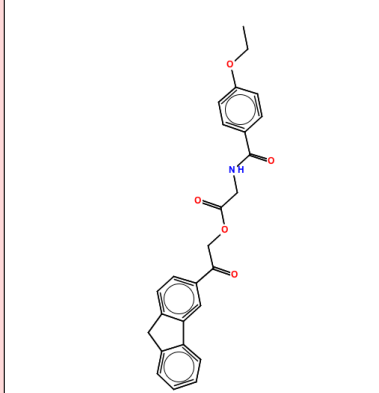
-0.45

0.851



Total number of assays tested in: 46.

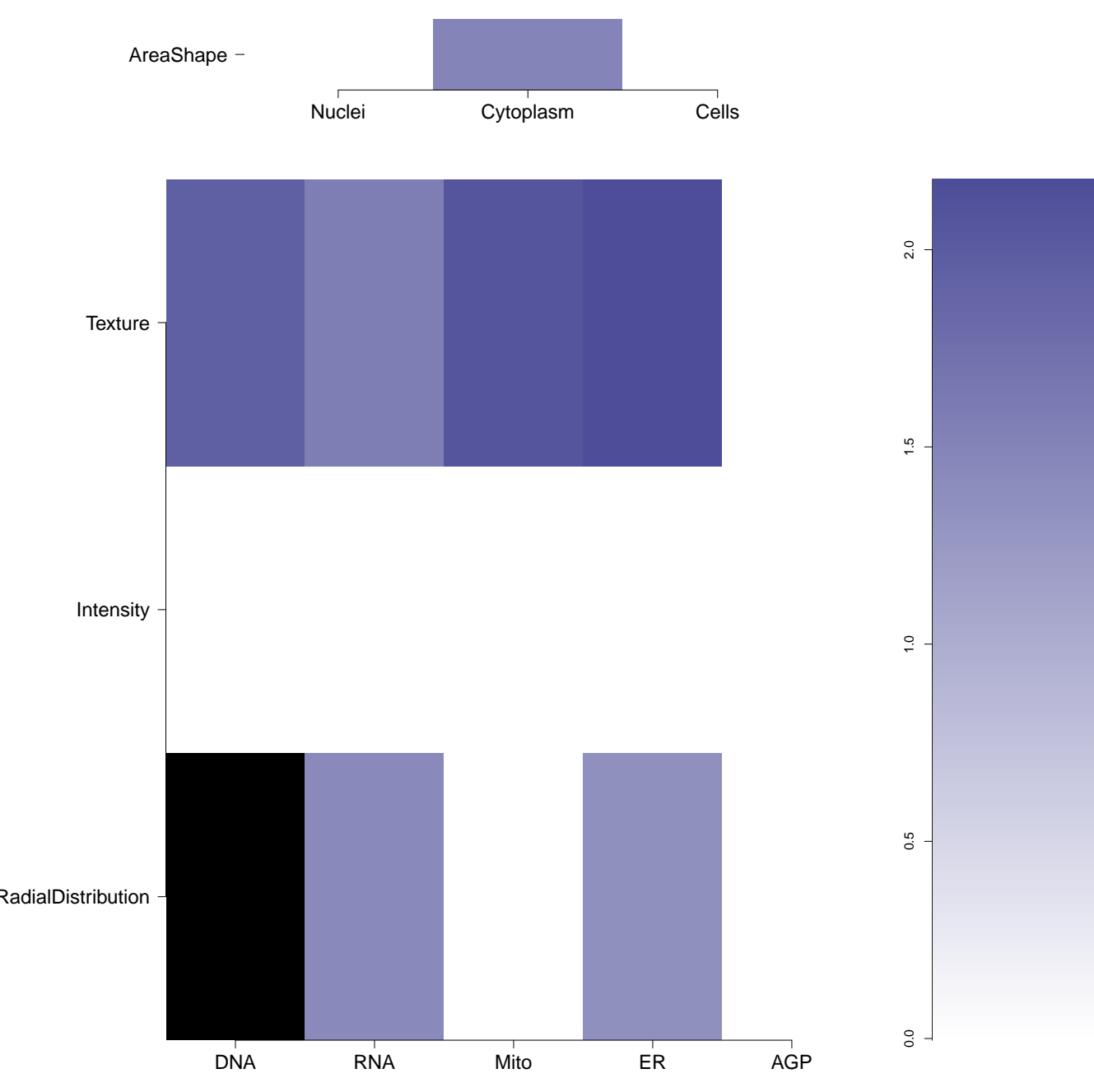
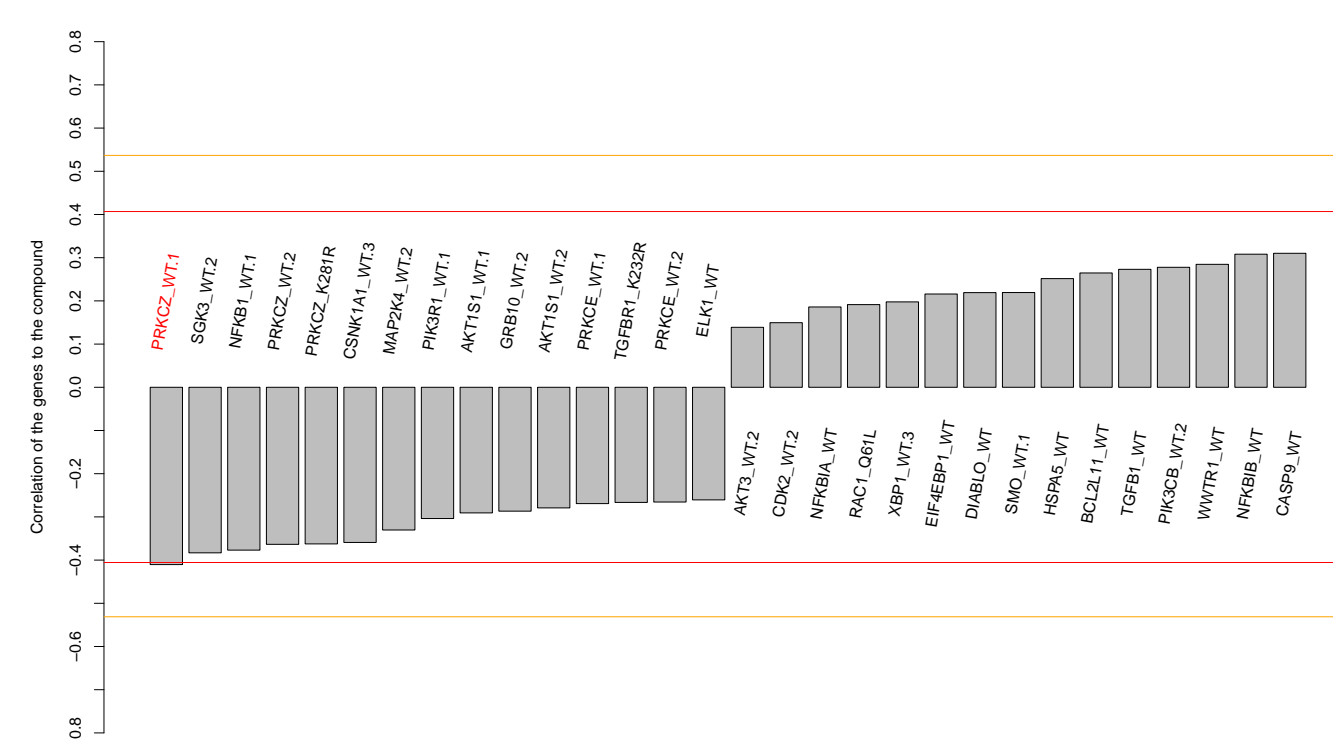
BRD-K84014387-001-05-7
AC1M0UP1
MLS000334946
HMS2618C09
ZINC2621831
ZINC02621831
SMR000249704
T5226556
PubChem CID : 2083729



0.65 (in 4 replicates)

-0.41

NA



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

- qHTS Assay for Inhibitors of Histone Lysine Methyltransferase G9a (AID 504332)