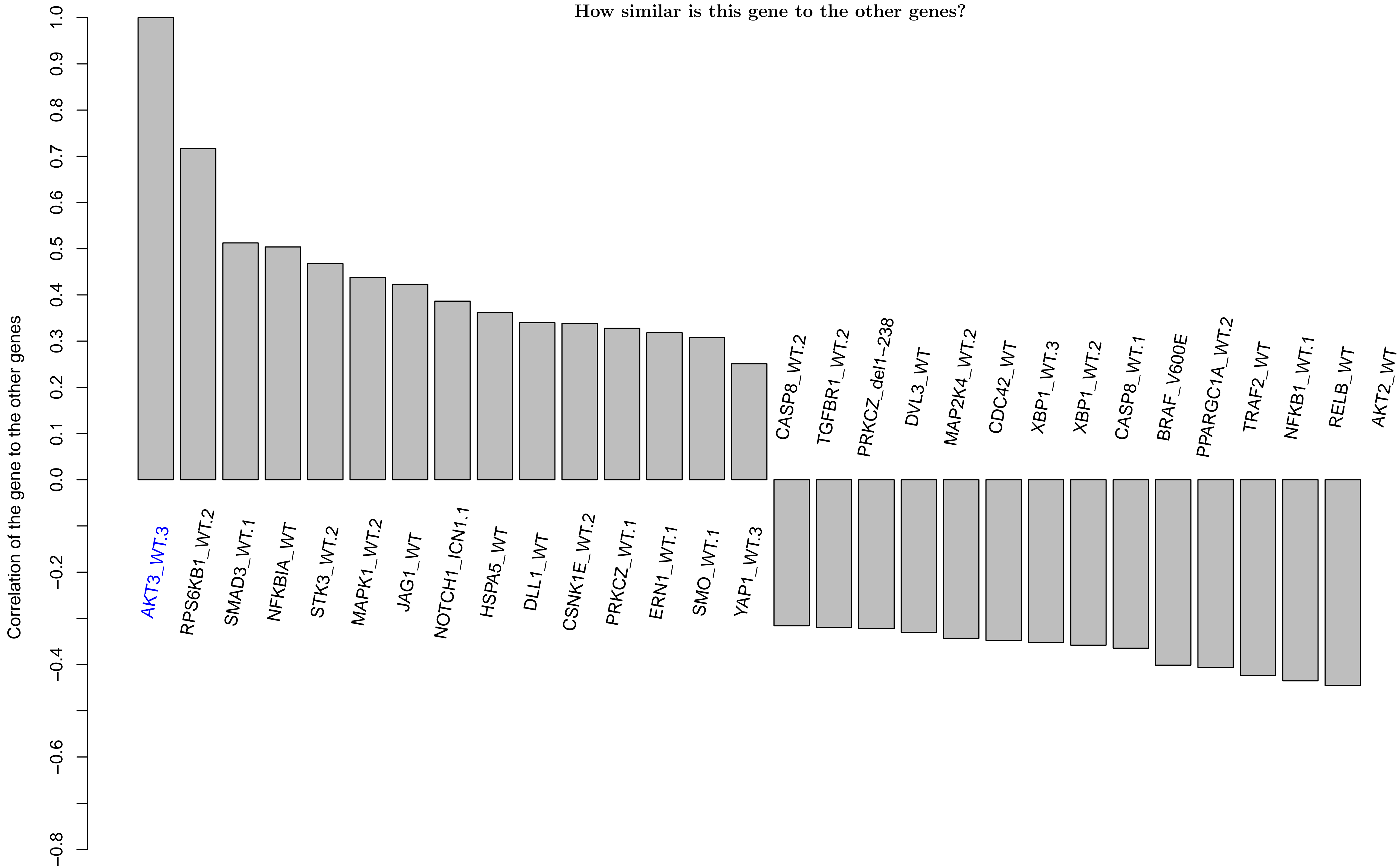
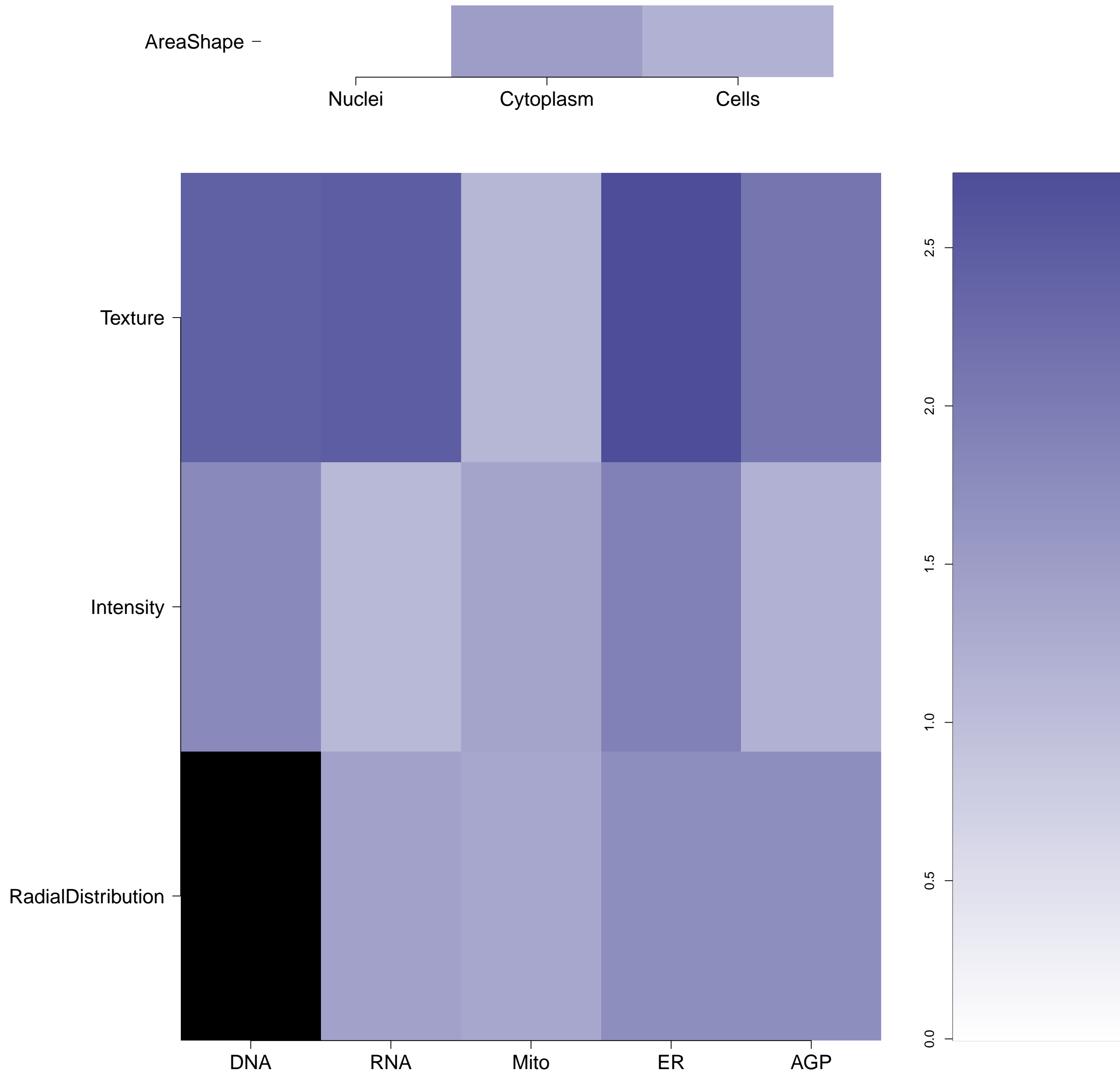


AKT3.WT.3 - in Canonical PI3K/AKT

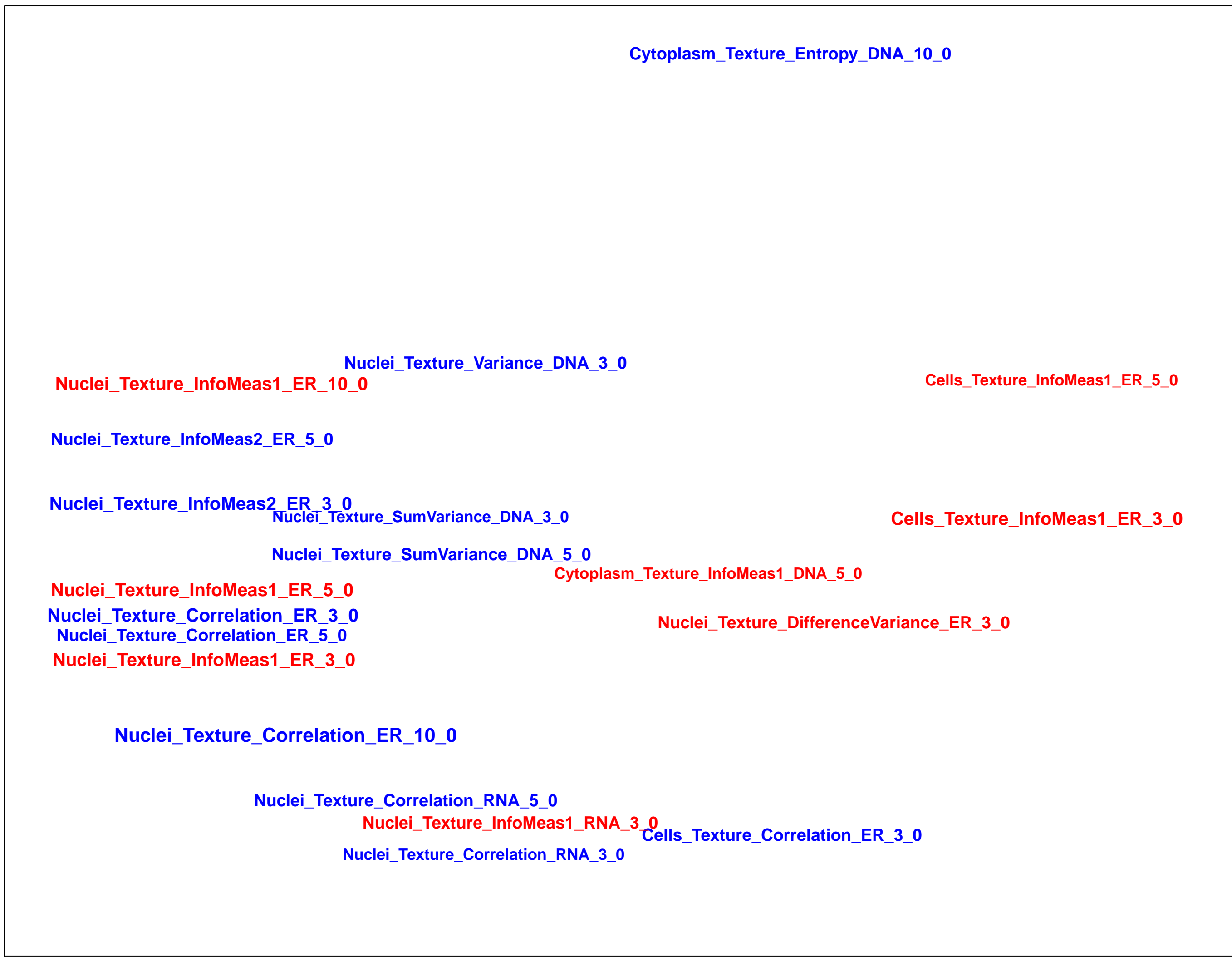
How similar is this gene to the other genes?



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

AKT3.WT.3 (41744)

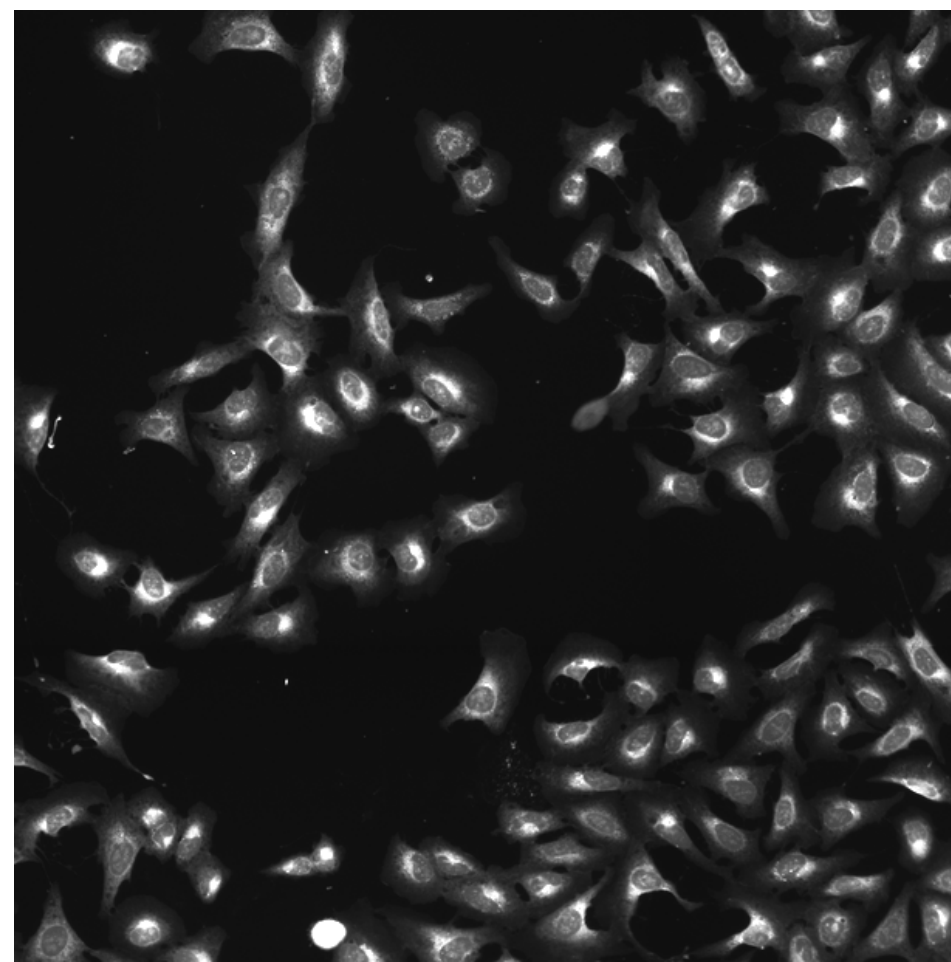
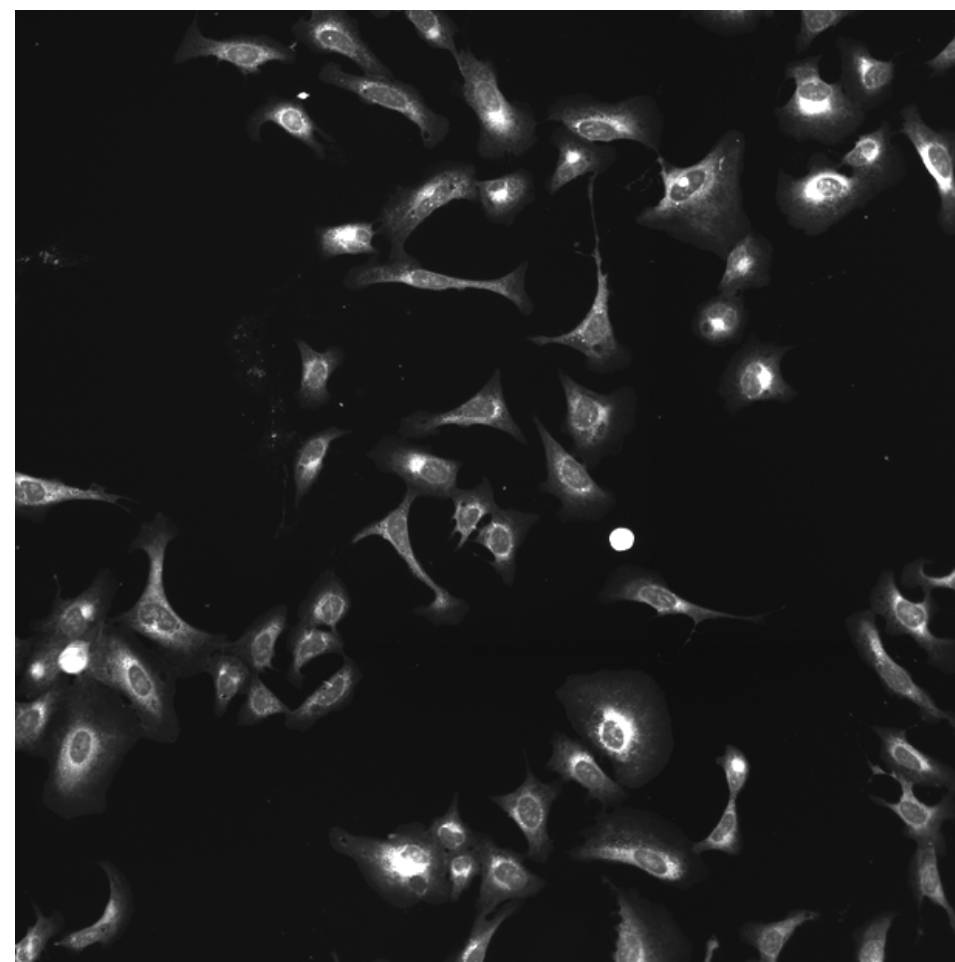
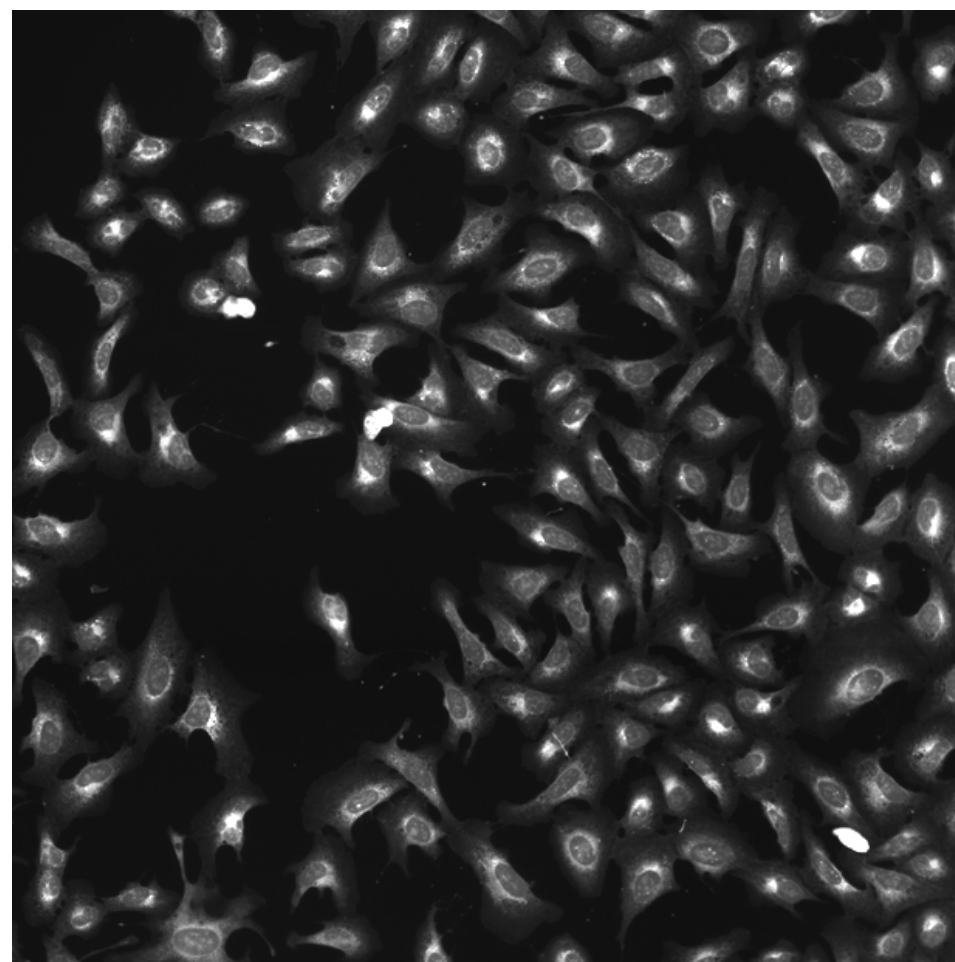
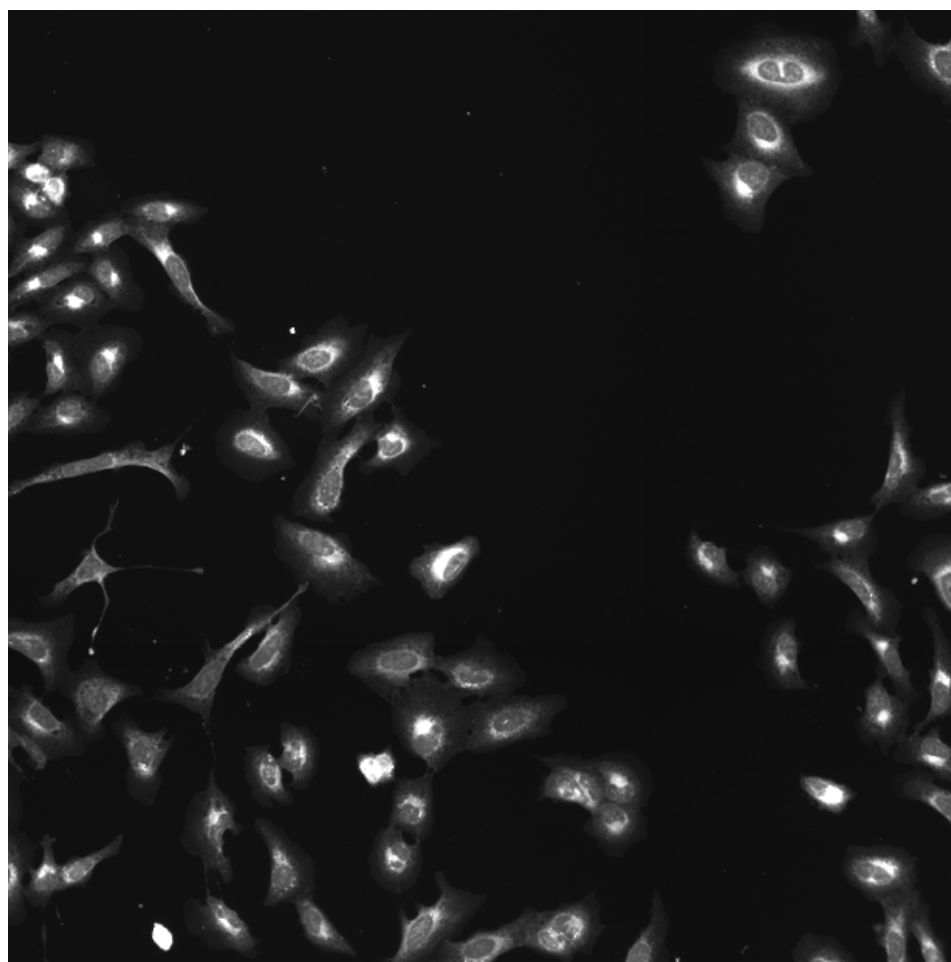
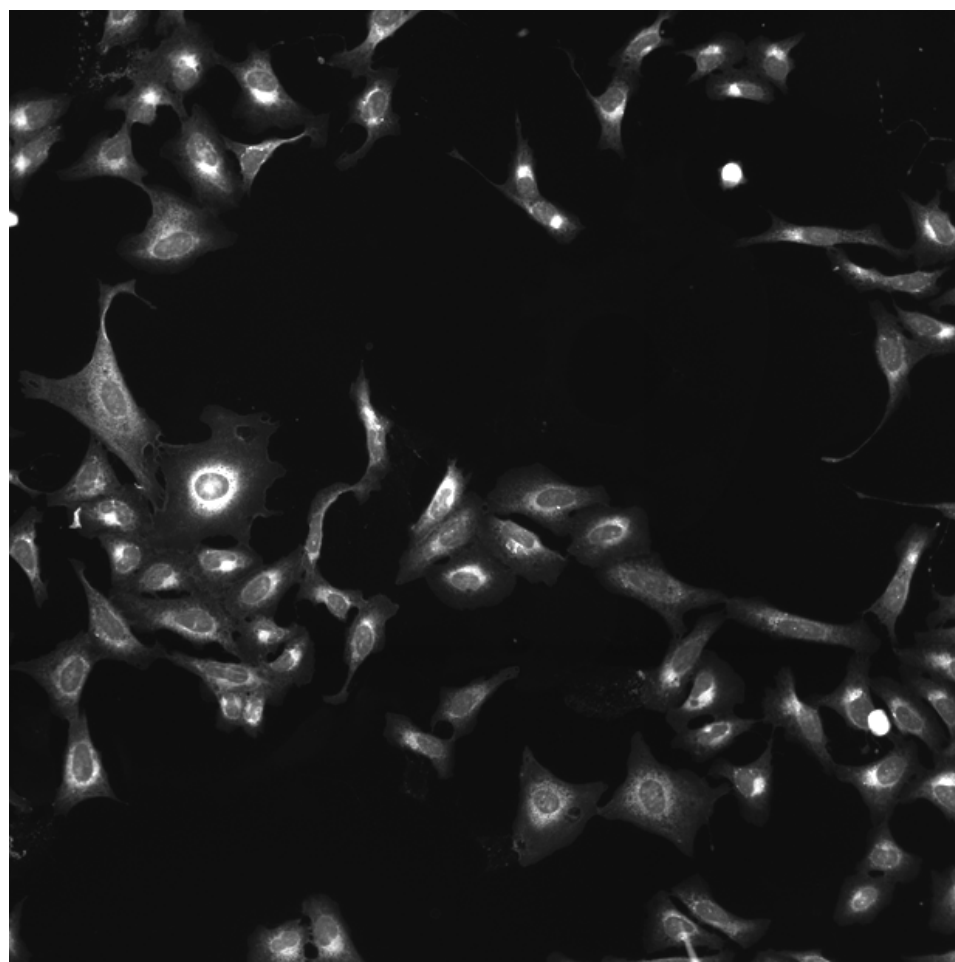
AKT3.WT.3 (41755)

AKT3.WT.3 (41756)

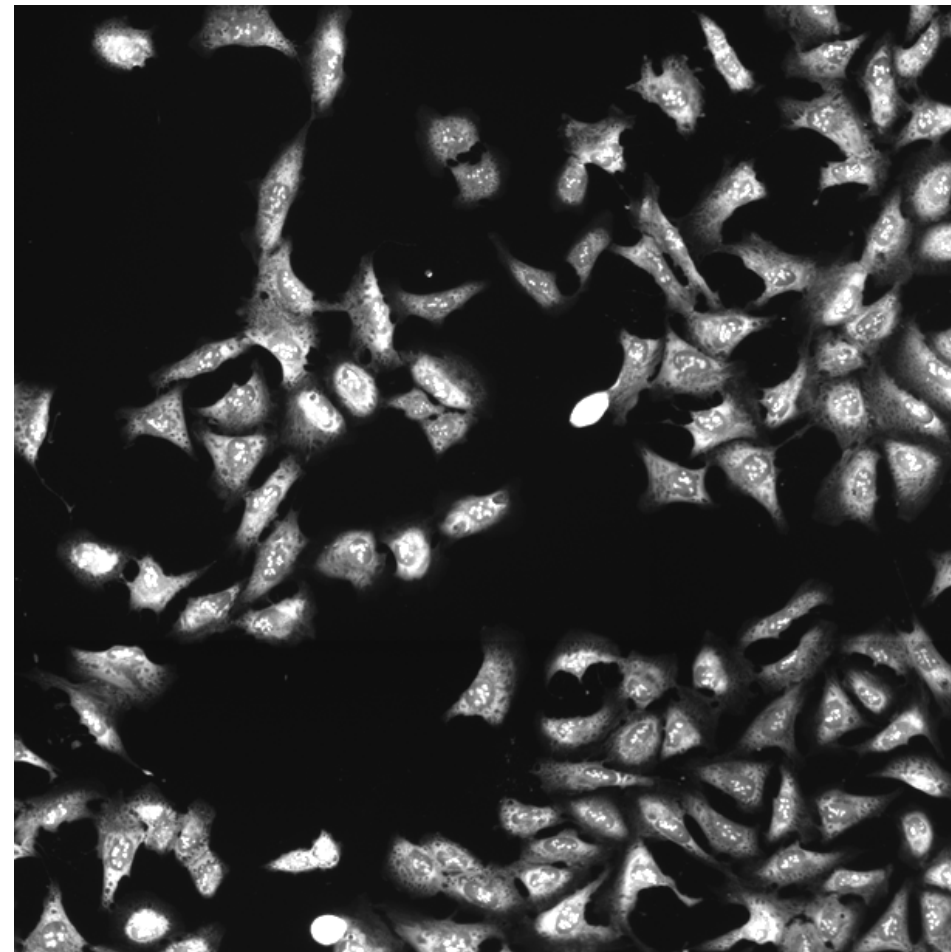
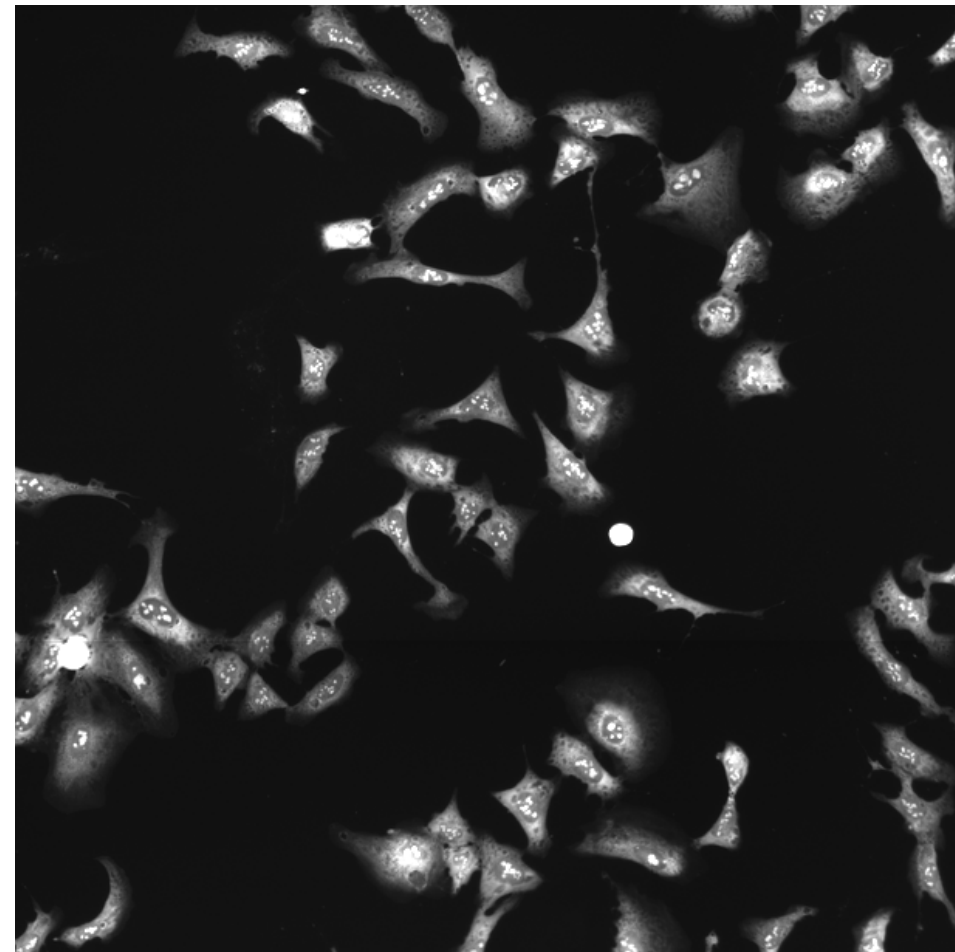
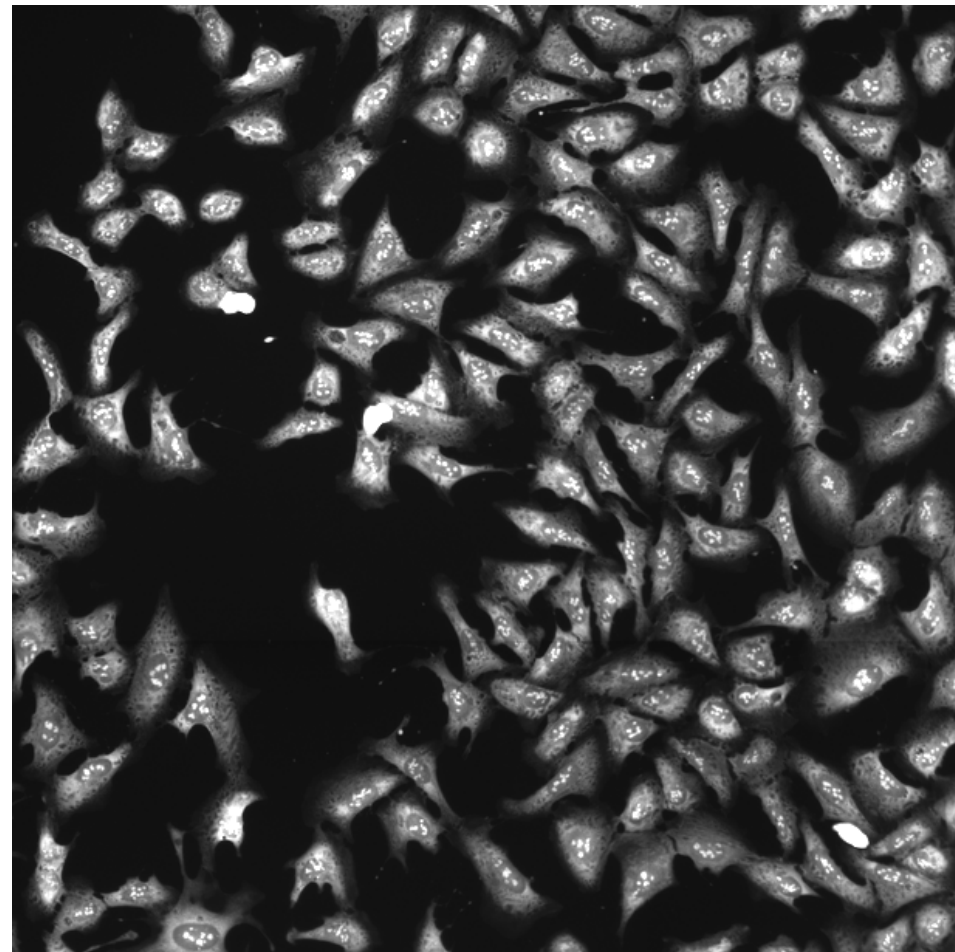
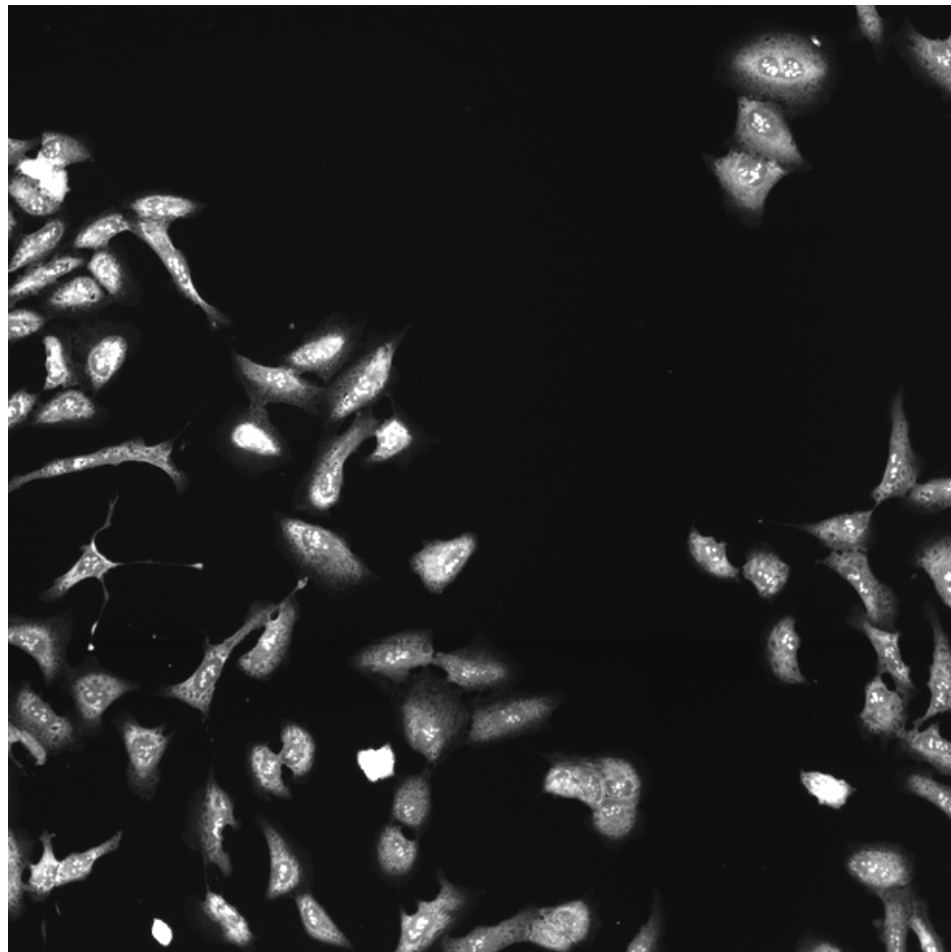
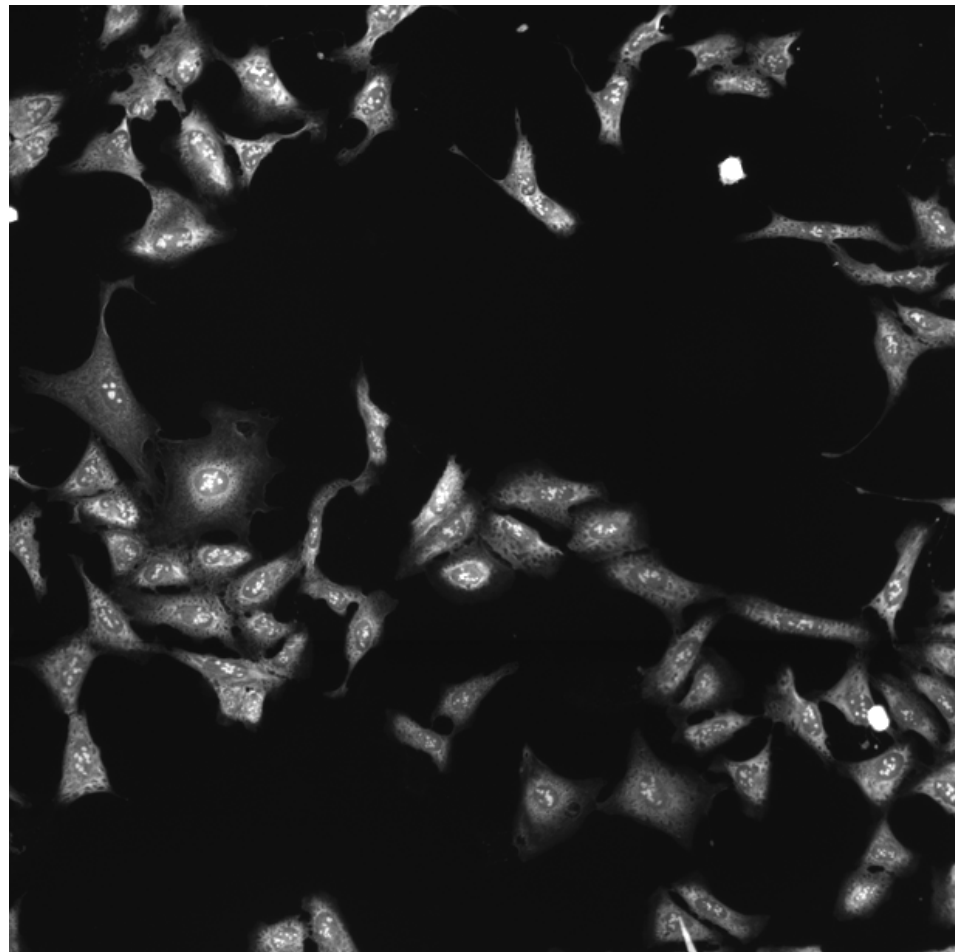
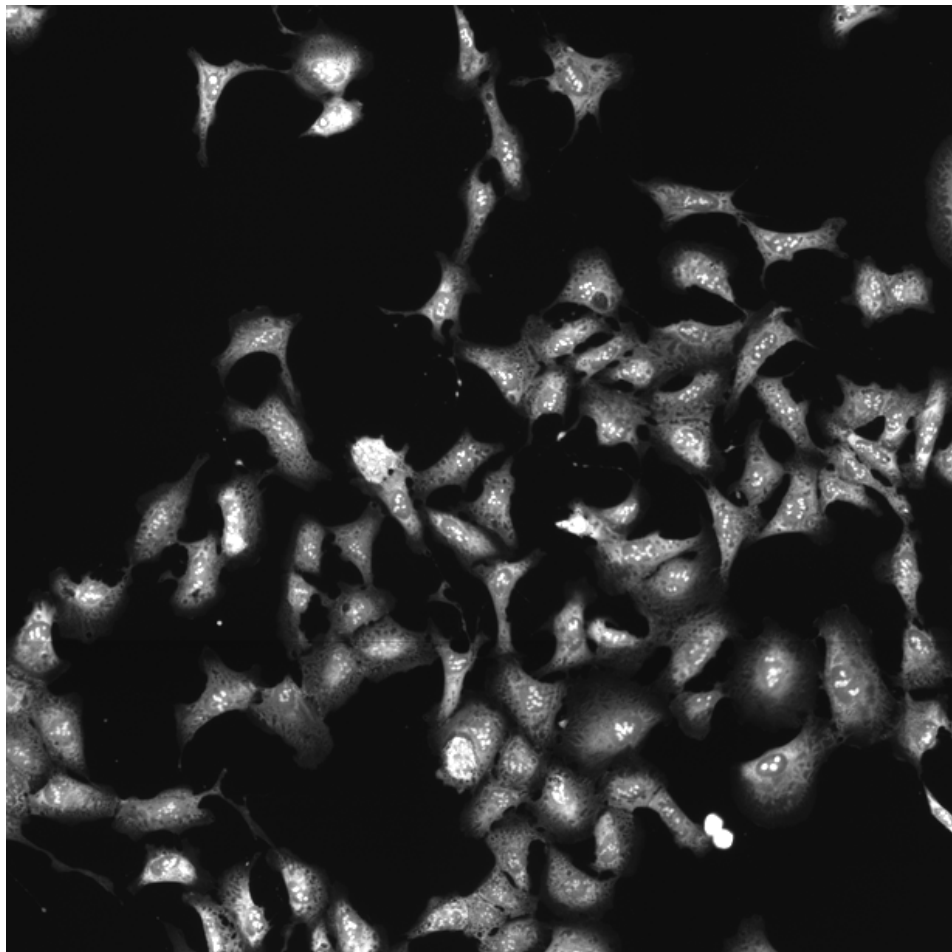
AKT3.WT.3 (41757)

AKT3.WT.3 (41754)

ER

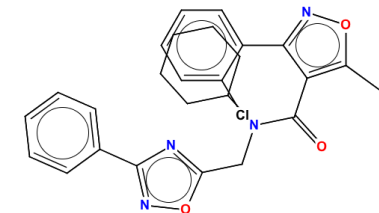
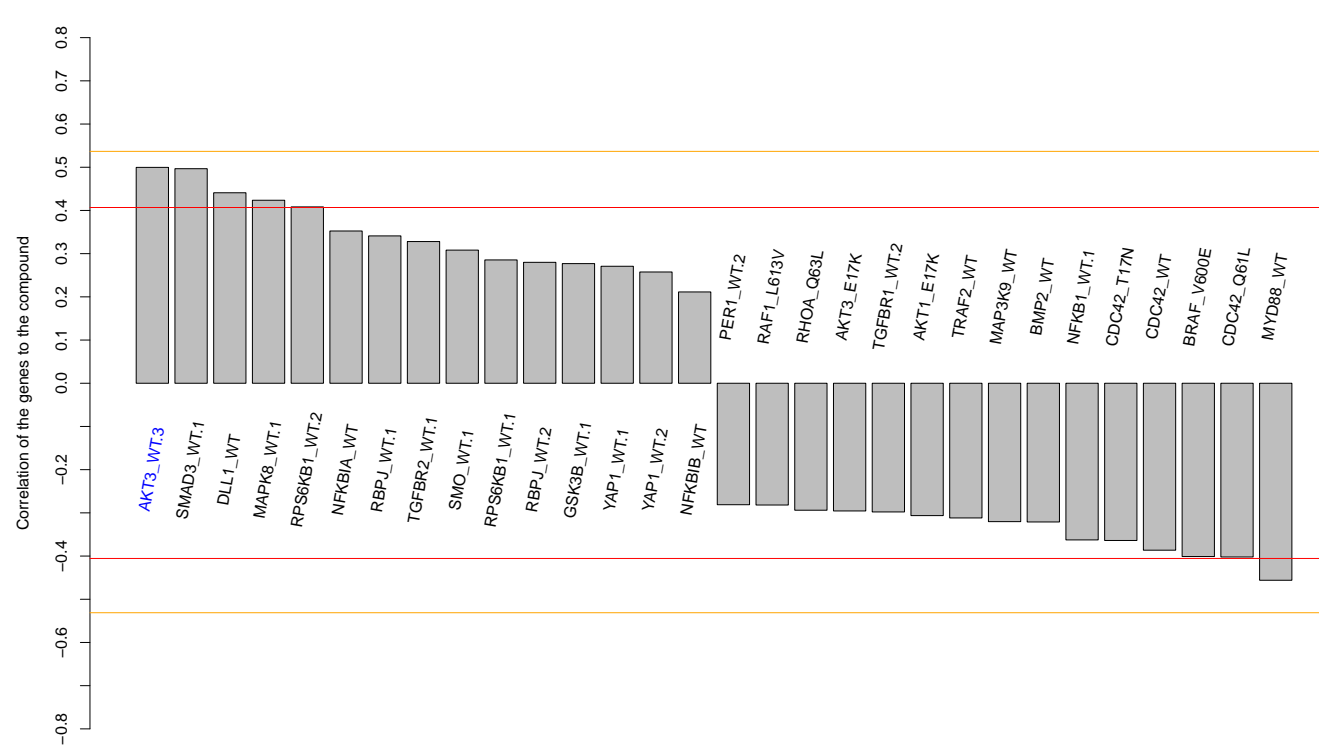
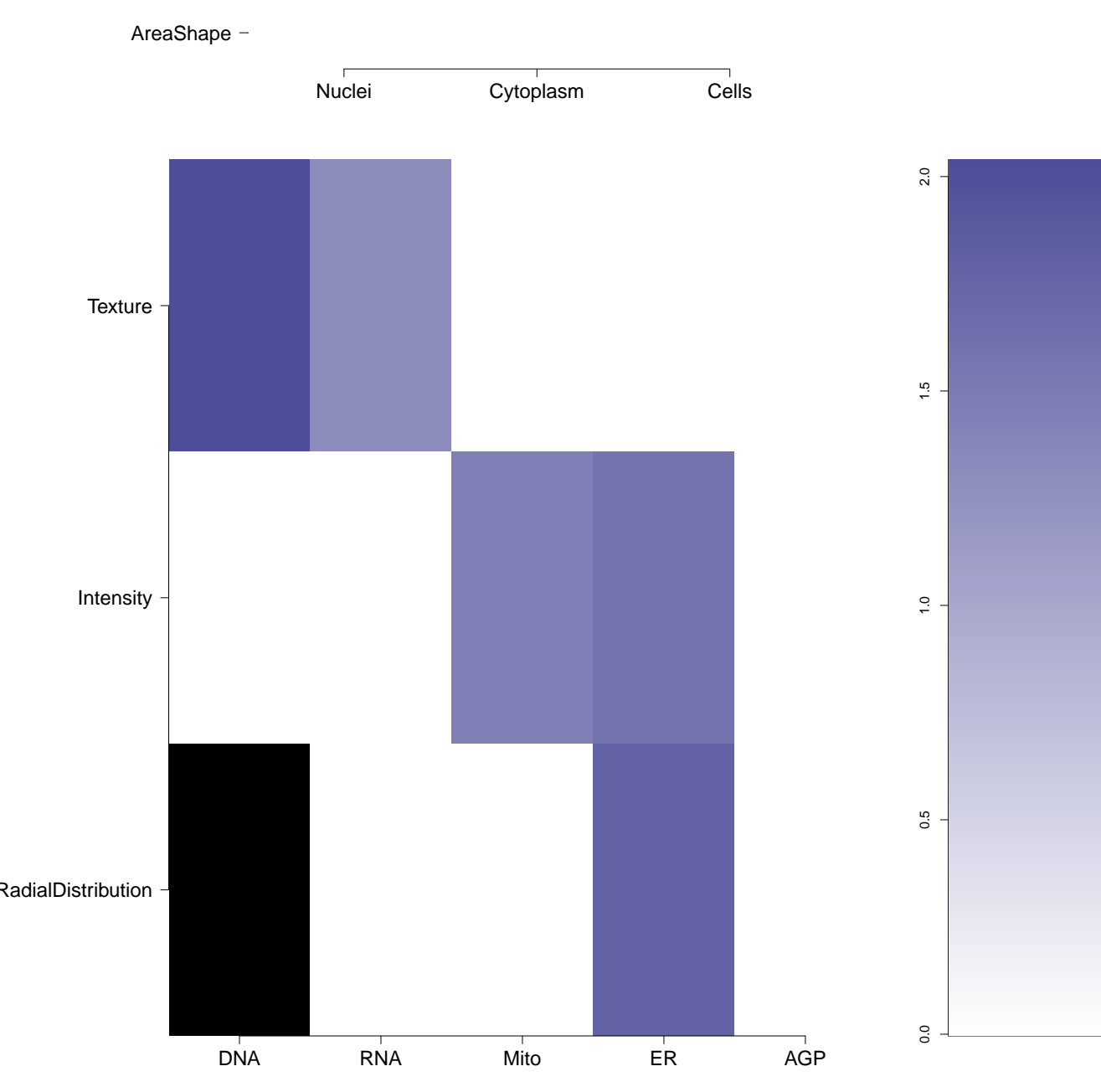
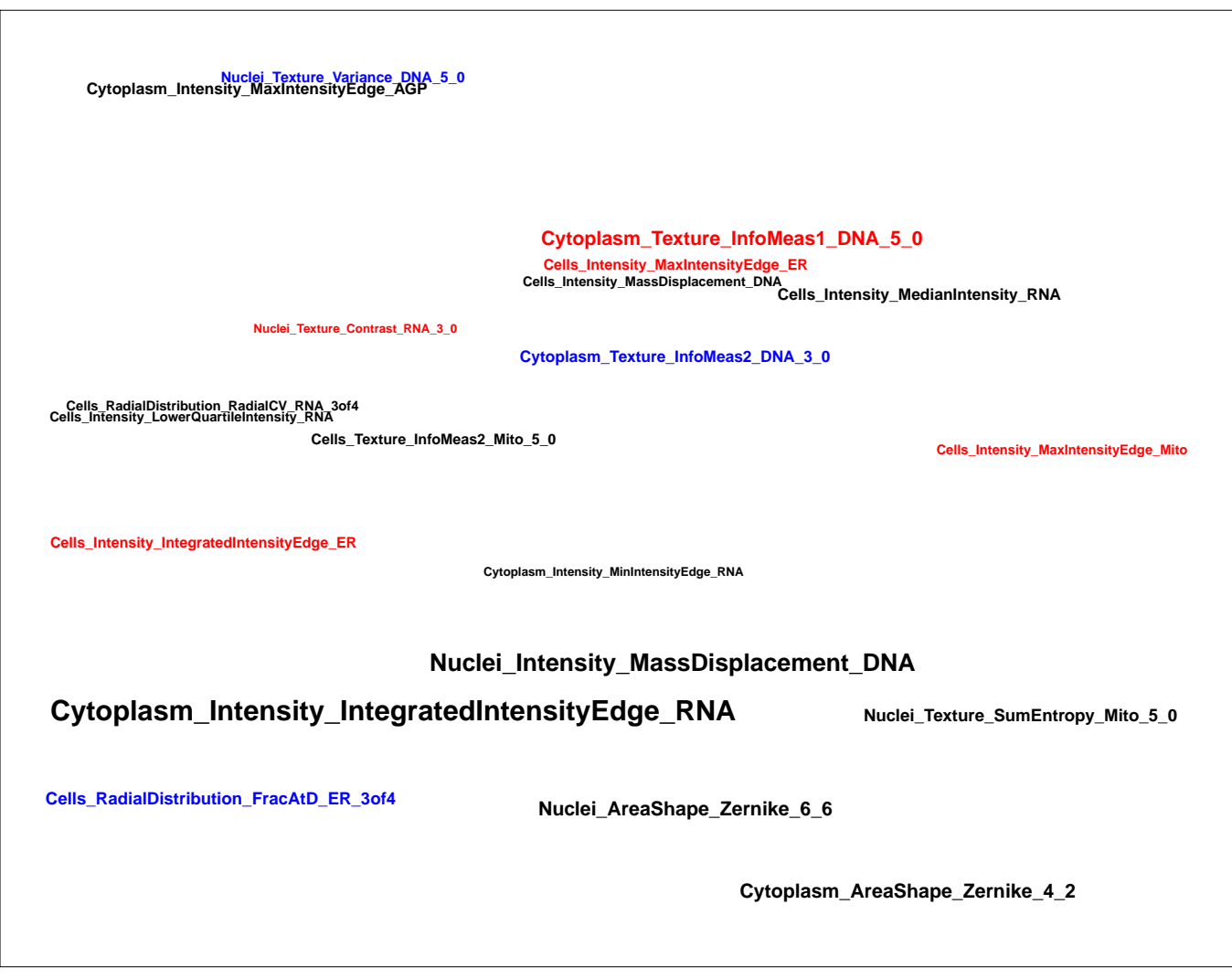


RNA

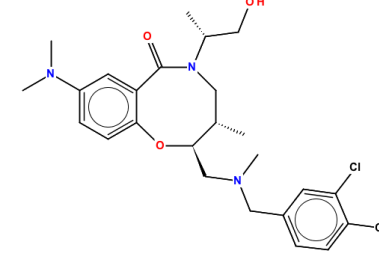
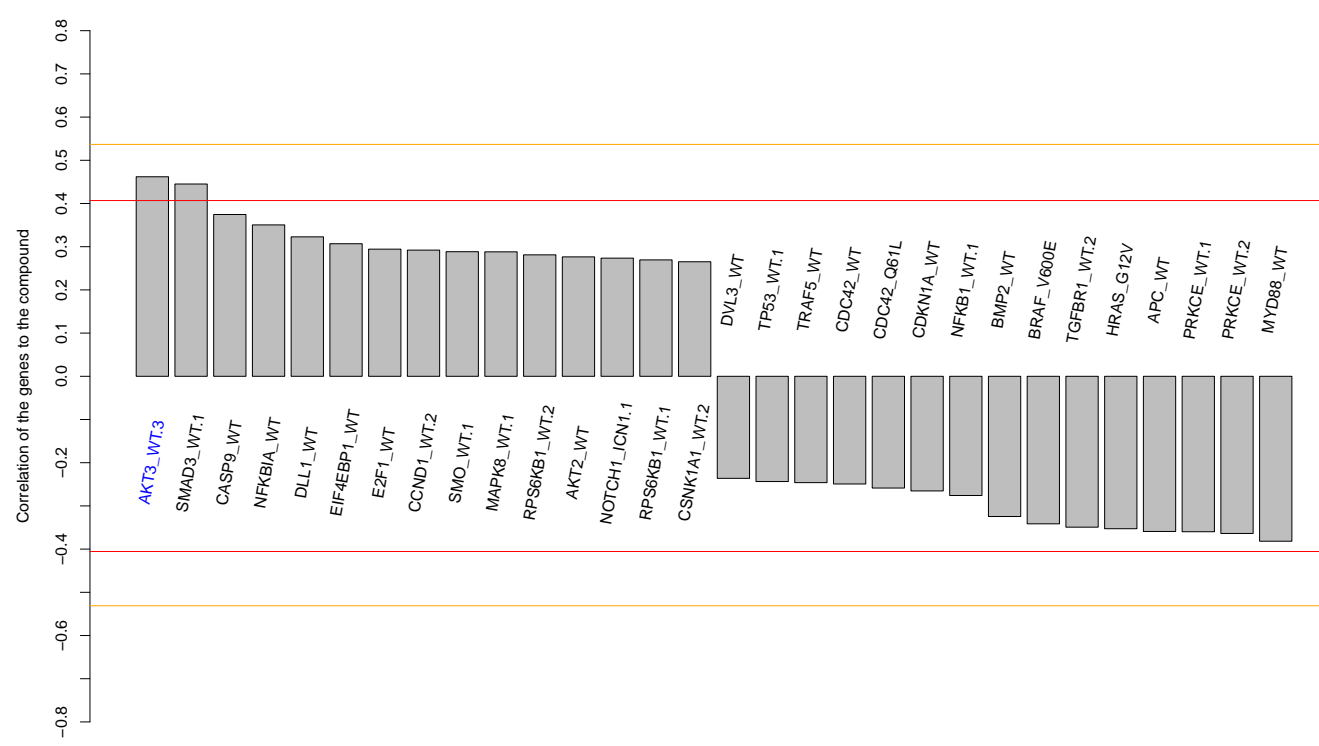
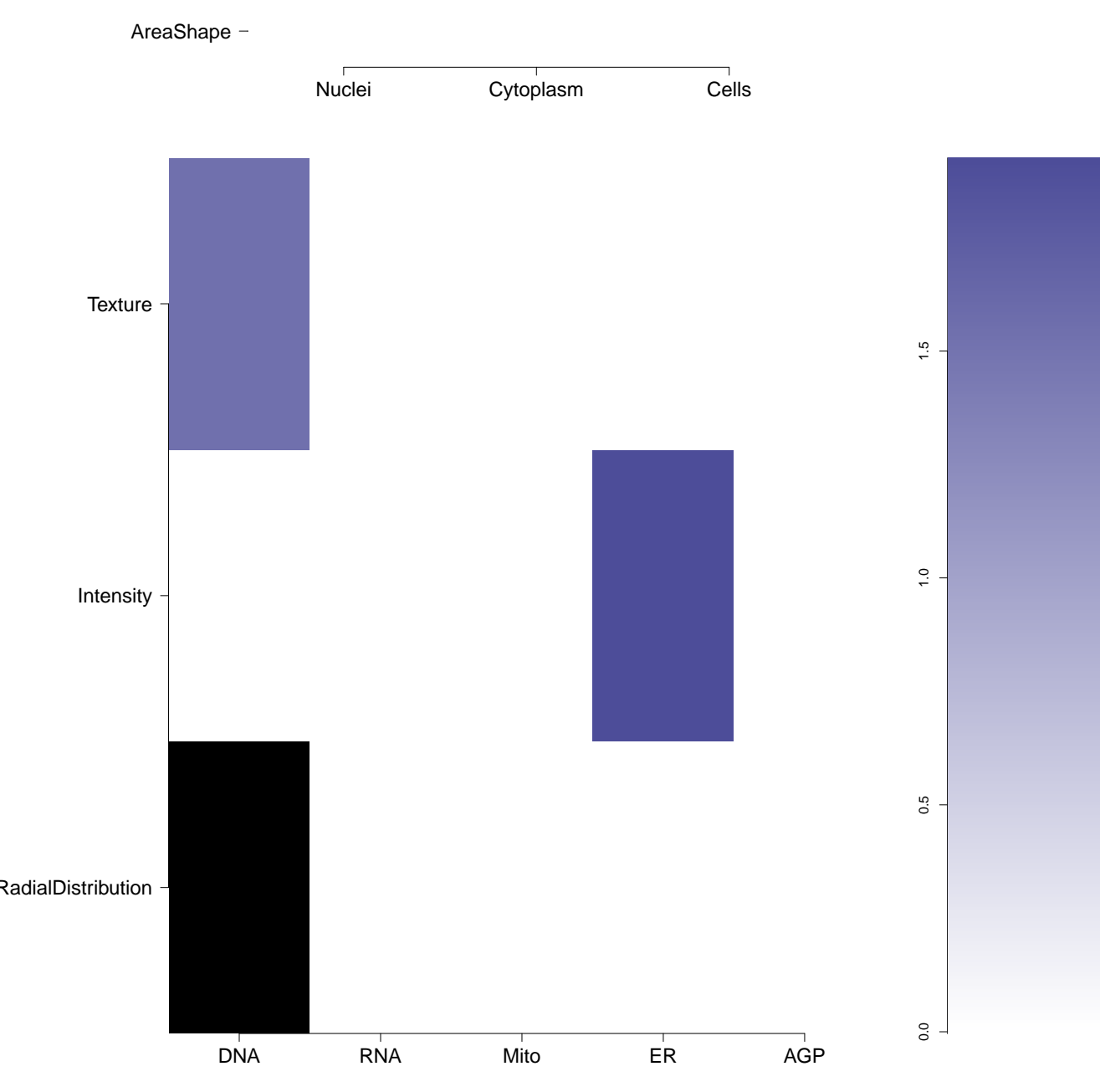
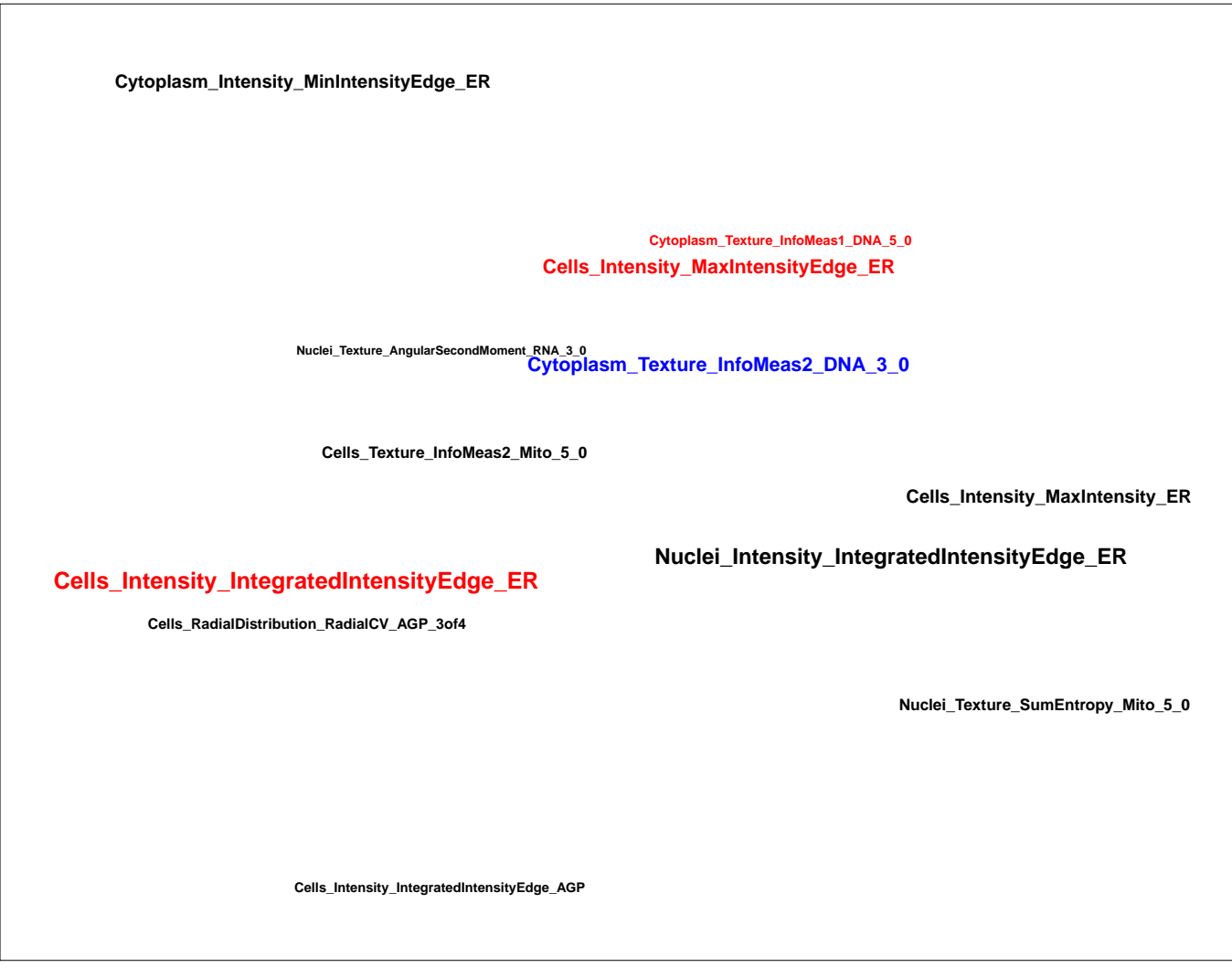


Compound IDs and common names (where available); blue/red colored box means the matching compound is positively/negatively correlated with the cluster	Chemical structure	Mean pairwise replicates correlation of the compound signature (95th DMSO replicate correlation is 0.52)	Correlation between compound 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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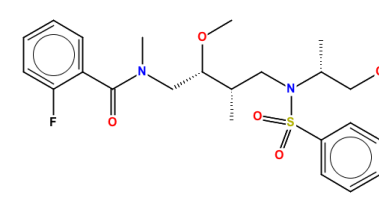
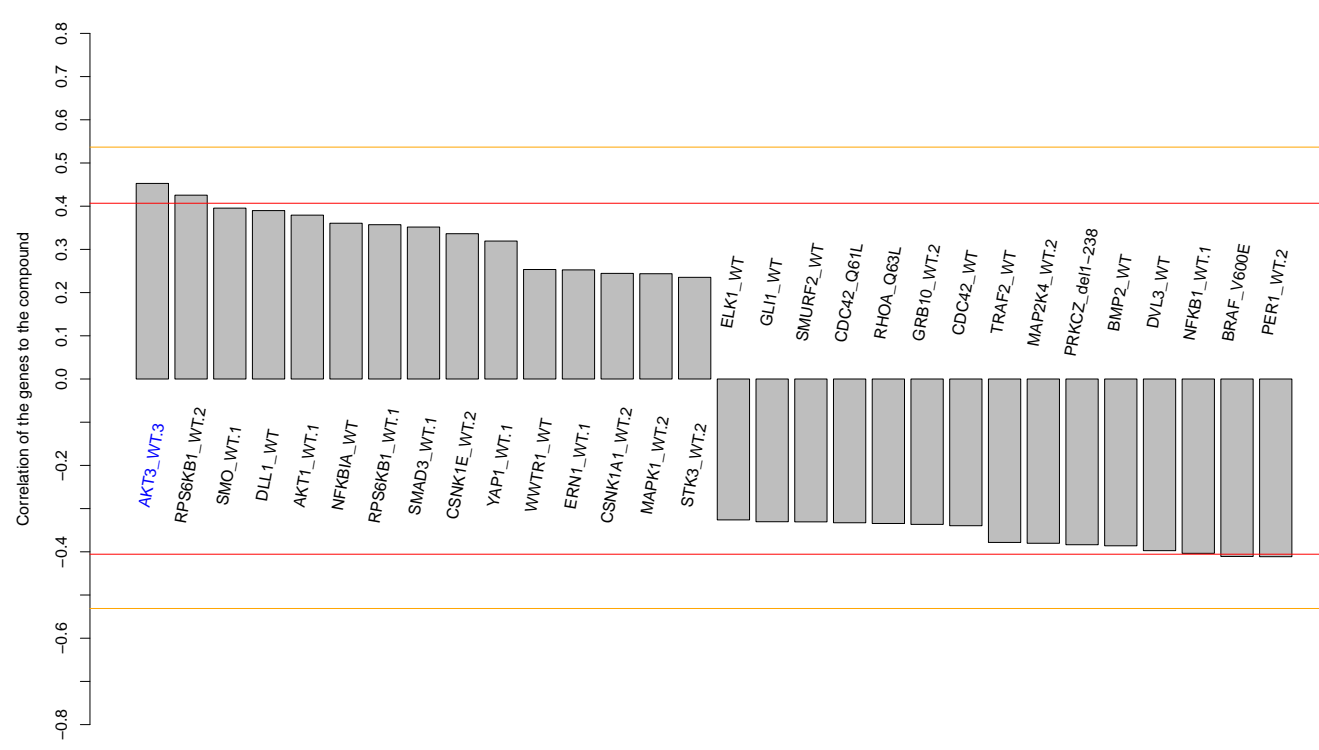
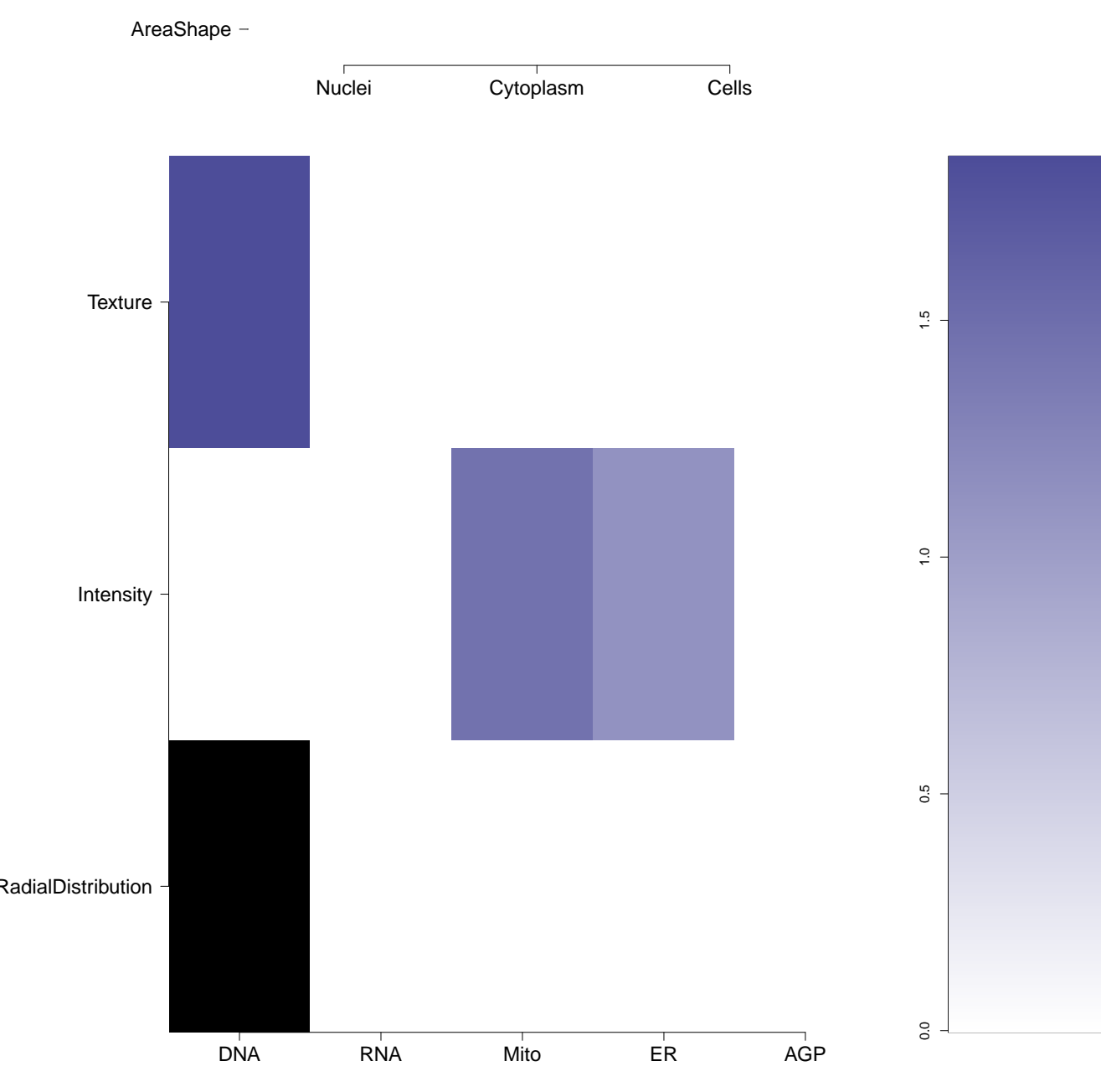
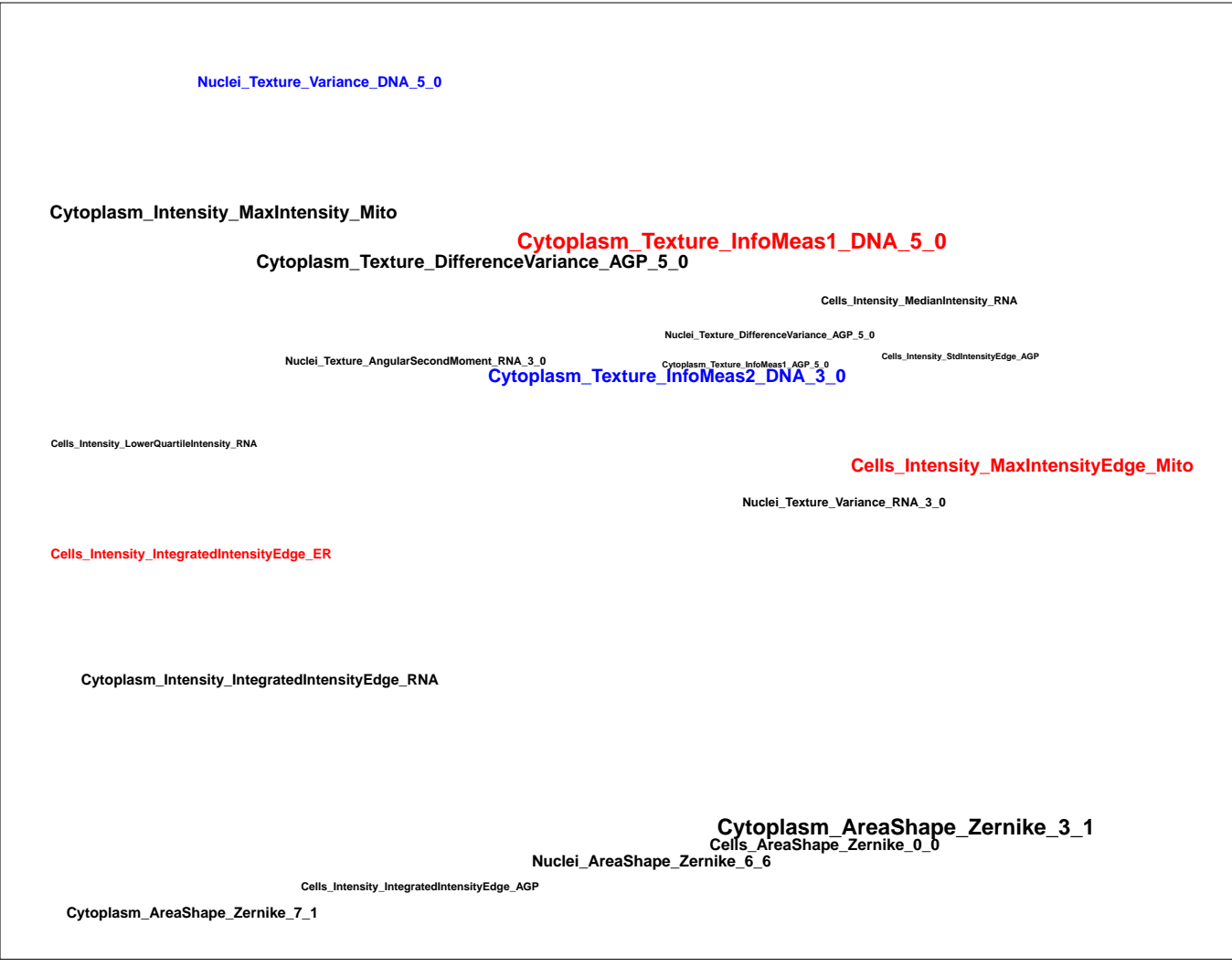
BRD-K31998691-001-01-5 PubChem CID : 44494777		0.69 (in 3 replicates)	0.60	0.762				Total number of assays tested in: 38.
BRD-K86043715-001-01-6 MLS00128764 SMR001833210 PubChem CID : 44502461		0.76 (in 4 replicates)	0.58	0.702				Total number of assays tested in: 228.
BRD-K40677376-003-05-3 SMR000394073 MLS001073904 MLS002582150 PubChem CID : 16196945		NA (in 1 replicates)	0.54	NA				Total number of assays tested in: 627. Active in the following assays: <ul style="list-style-type: none"> High throughput screening of inhibitors of transient receptor potential cation channel C6 (TRPC6) (AID 2553) Specificity screen against TRPC4 for compounds that modulate transient receptor potential cation channel C6 (TRPC6) (AID 488927) Second specificity screen against TRPC4 for compounds that modulate transient receptor potential cation channel C6 (TRPC6) (AID 488928) Confirmatory screen for identification of compounds that inhibit transient receptor potential cation channel C6 (TRPC6) (AID 488960)
BRD-K34800739-001-01-4 PubChem CID : 44505880		0.70 (in 3 replicates)	0.54	0.850				Total number of assays tested in: 40.
BRD-K49739160-001-01-5 PubChem CID : 54618928		0.57 (in 3 replicates)	0.54	0.035				Total number of assays tested in: 37.
BRD-K74971043-001-01-5 PubChem CID : 54613814		NA (in 1 replicates)	0.52	NA				Total number of assays tested in: 40.
BRD-K18984088-001-01-3 PubChem CID : 54613813		0.61 (in 4 replicates)	0.50	0.702				Total number of assays tested in: 37.

BRD-K13269846-001-06-6 STK300531 SMR000144661 ZINC02883731 AC1M3DXV MLS000538624 MLS002548535 HMS2445E10 ZINC2883731 PubChem CID : 2236064		NA (in 1 replicates)	0.50	NA			
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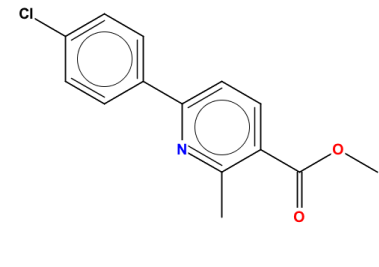
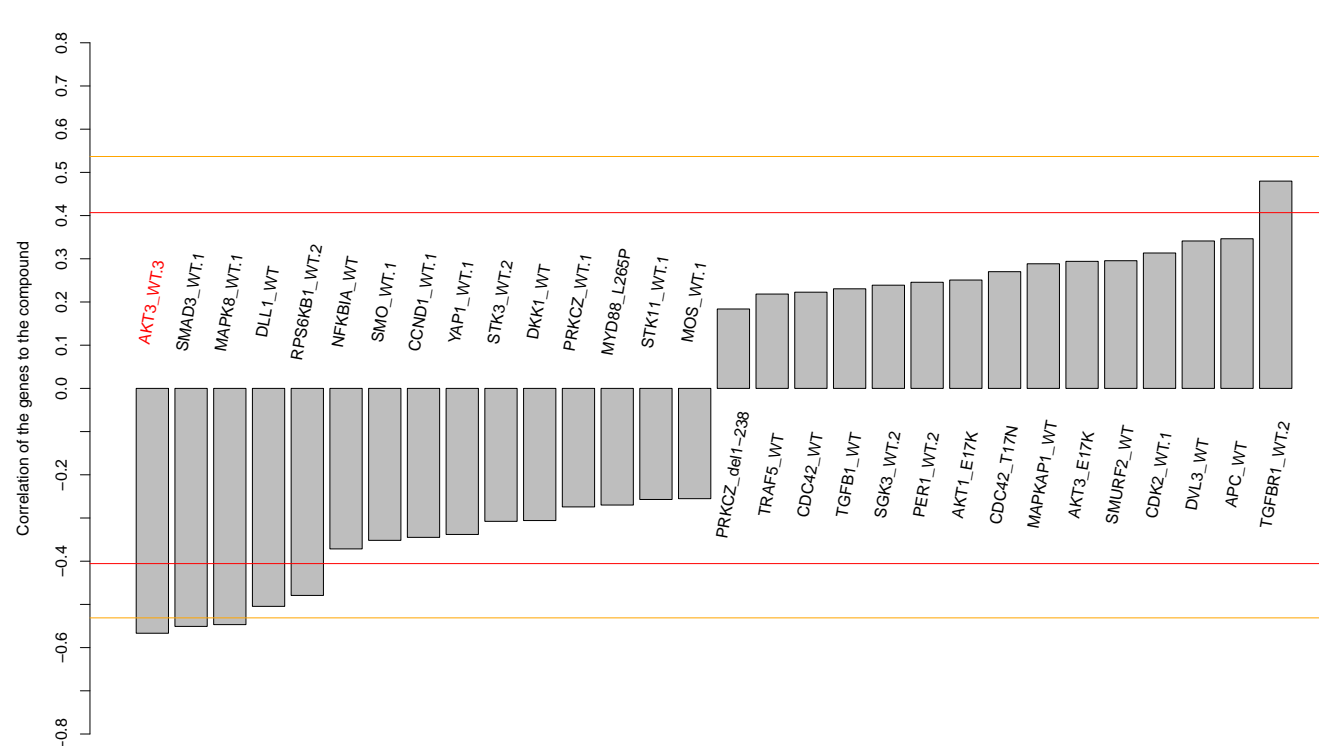
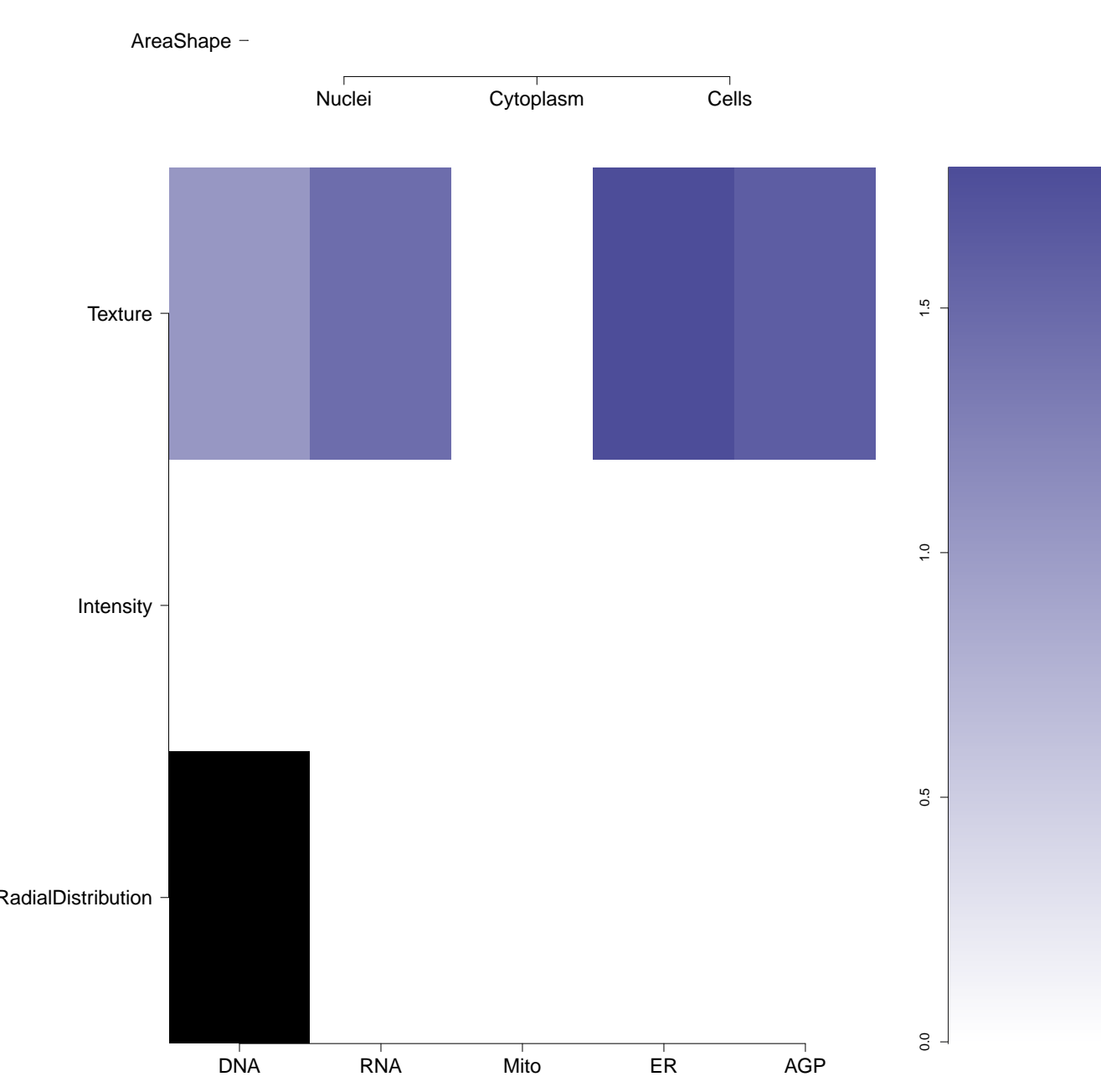
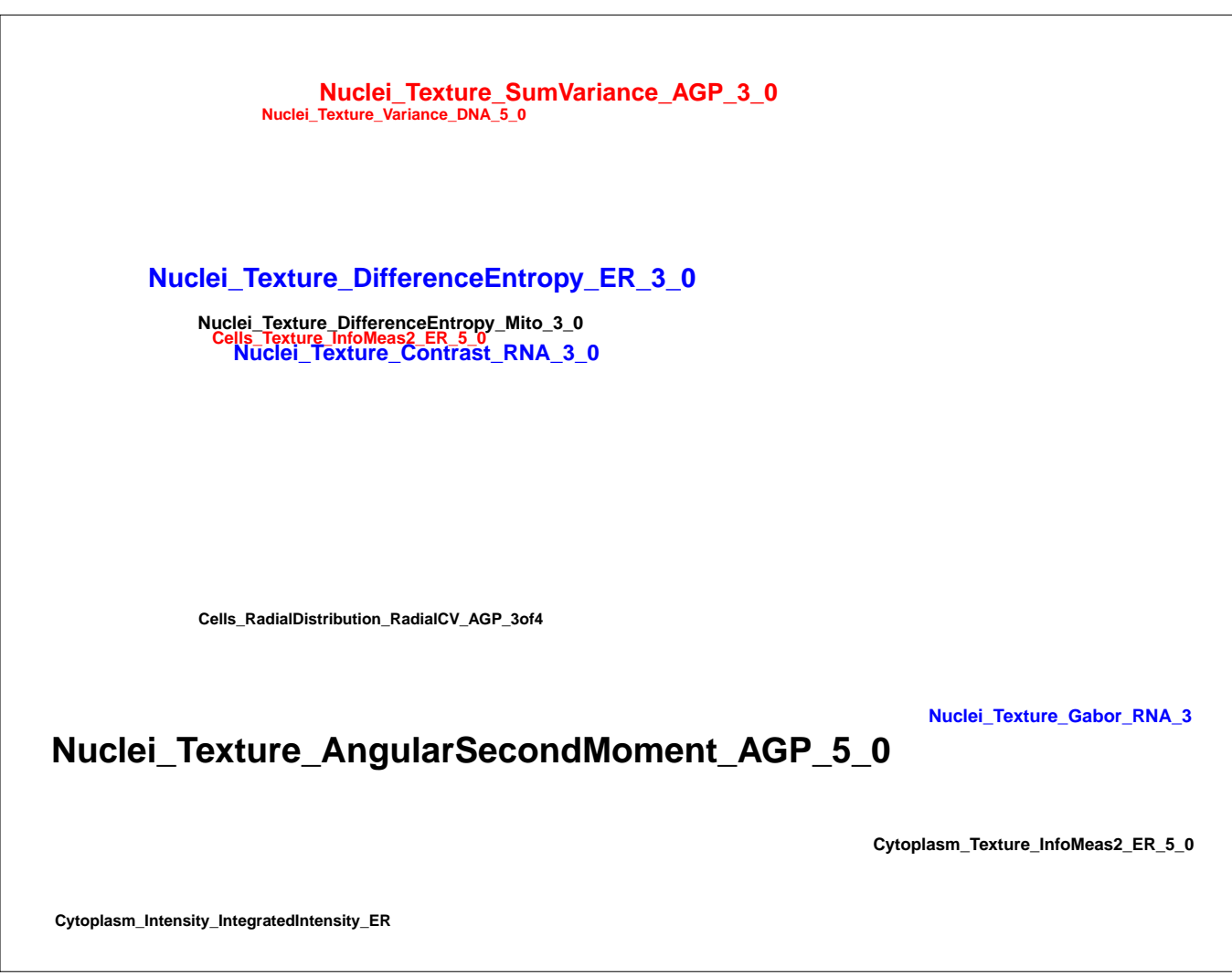
- Total number of assays tested in: 688. Active in the following assays:
- CYP2C9 Assay (AID 777)
 - CYP2C19 Assay (AID 778)
 - Leishmania major promastigote HTS (AID 1063)
 - qHTS Assay for Antagonists of the Neuropeptide S Receptor: cAMP Signal Transduction (AID 1461)
 - qHTS Assay for Inhibitors of Influenza NS1 Protein Function (AID 2326)
 - Primary cell-based screen for identification of compounds that inhibit the two-pore domain potassium channel KCNK9 (AID 488922)
 - Confirmatory screen for identification of compounds that inhibit the two-pore domain potassium channel (KCNK9) (AID 492992)
 - Second counter screen for compounds that modulate the two-pore domain potassium channel (KCNK9) (AID 492997)
 - HTS to identify compounds that promote myeloid differentiation with MLPNC compound set (AID 624256)
 - HIV entry: Env-mediated Cell Fusion Measured in Cell-Based System Using Plate Reader - 7013-01.Inhibitor.SinglePoint.HTS-Activity (AID 651610)
 - Confirmation assay for identification of compounds that inhibit the two-pore domain potassium channel KCNK3 [Primary Screening] (AID 651638)
 - Counter screen assay for identification of compounds that inhibit the two-pore domain potassium channel KCNK3 [Primary Screening] in non-induced KCNK3 cells (AID 651747)
 - 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)

BRD-K32019201-001-02-0 PubChem CID : 44490505		0.63 (in 3 replicates)	0.46	0.702			
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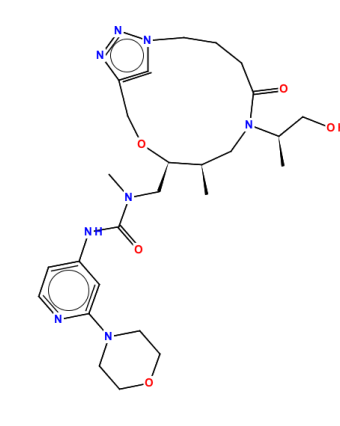
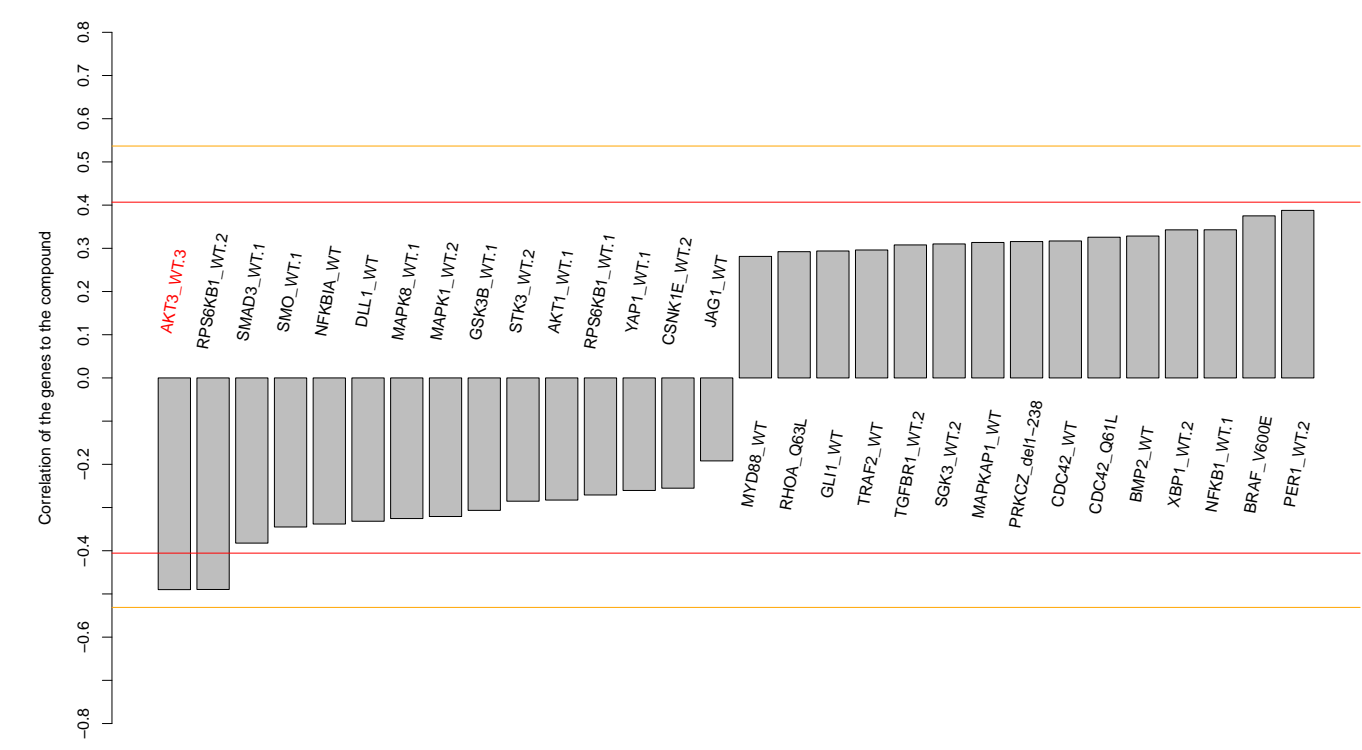
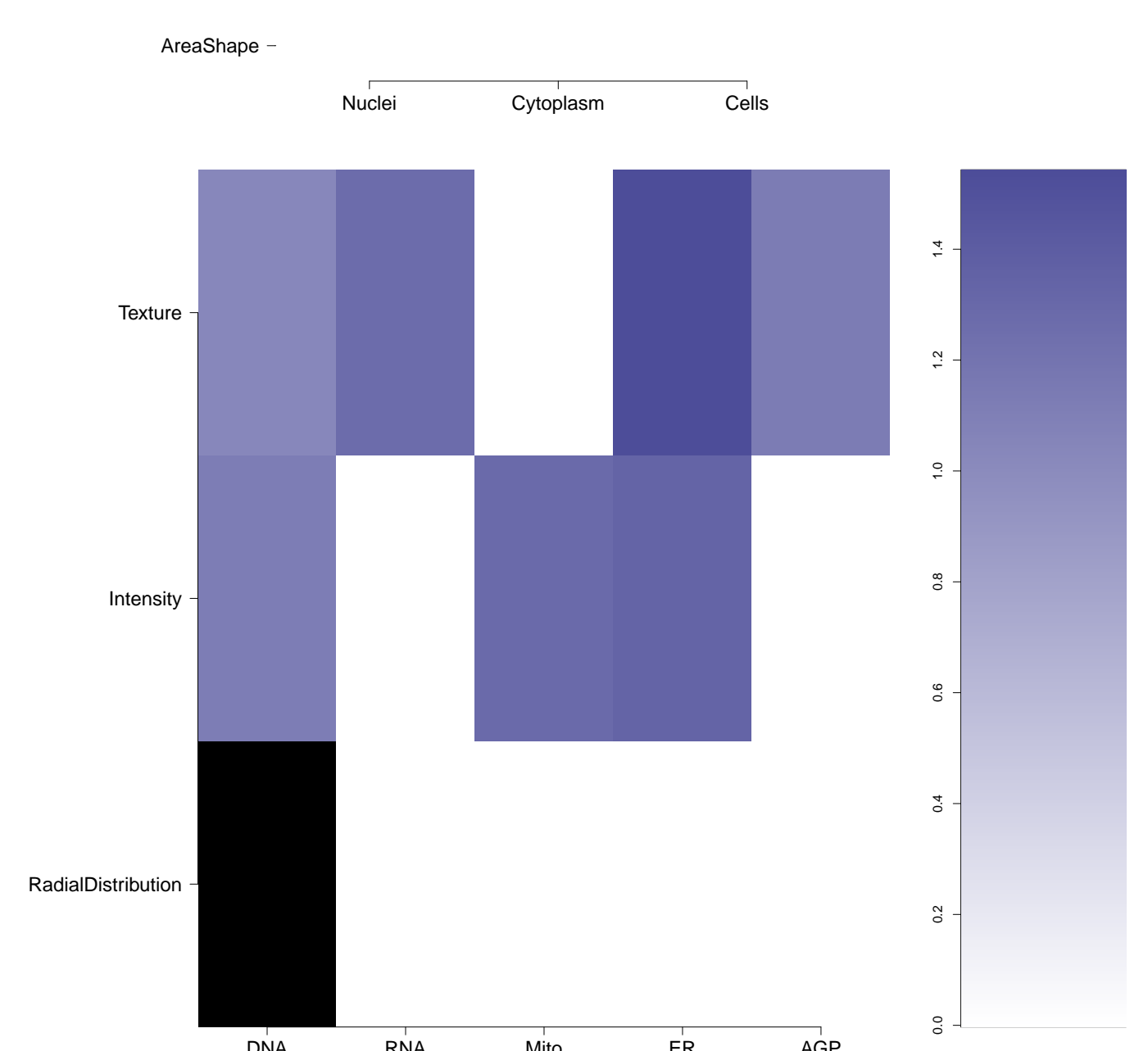

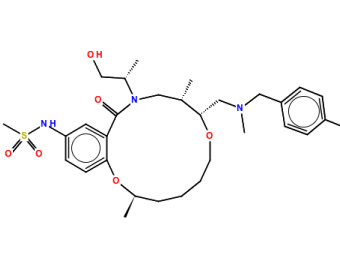
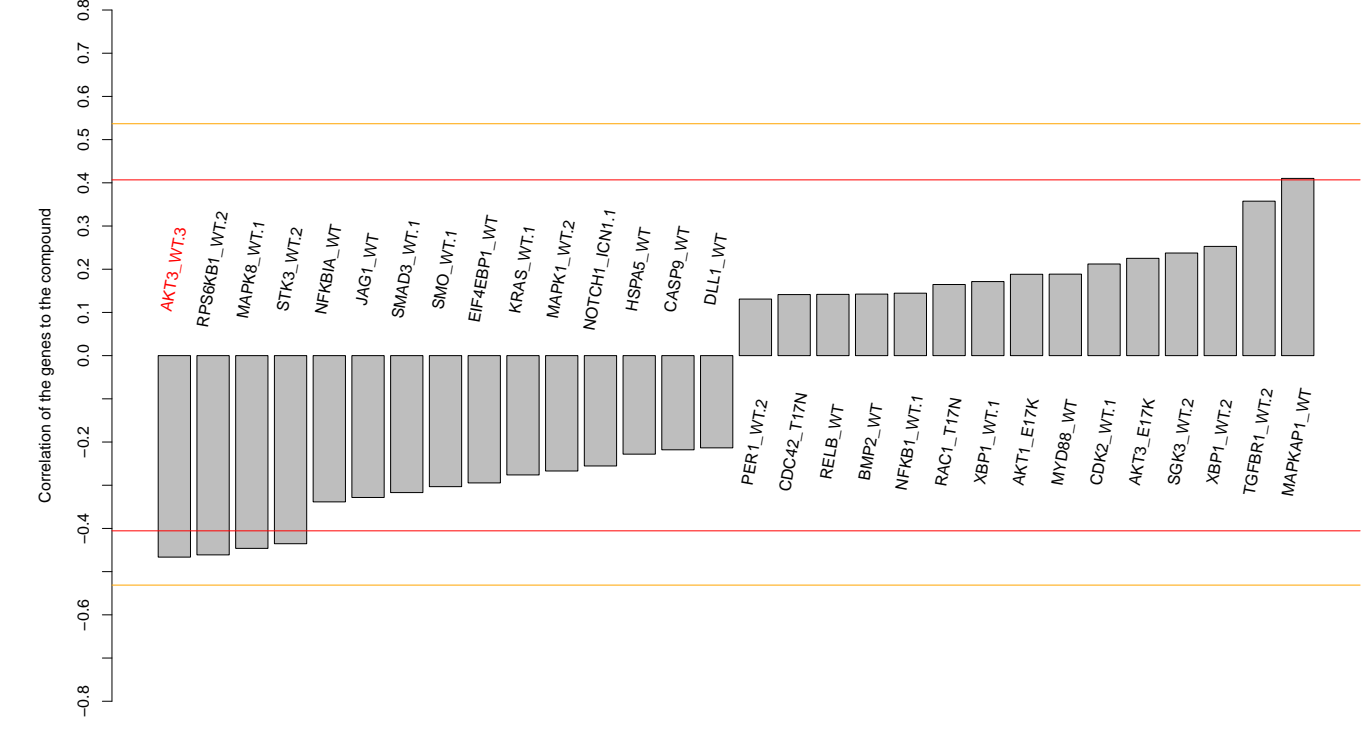
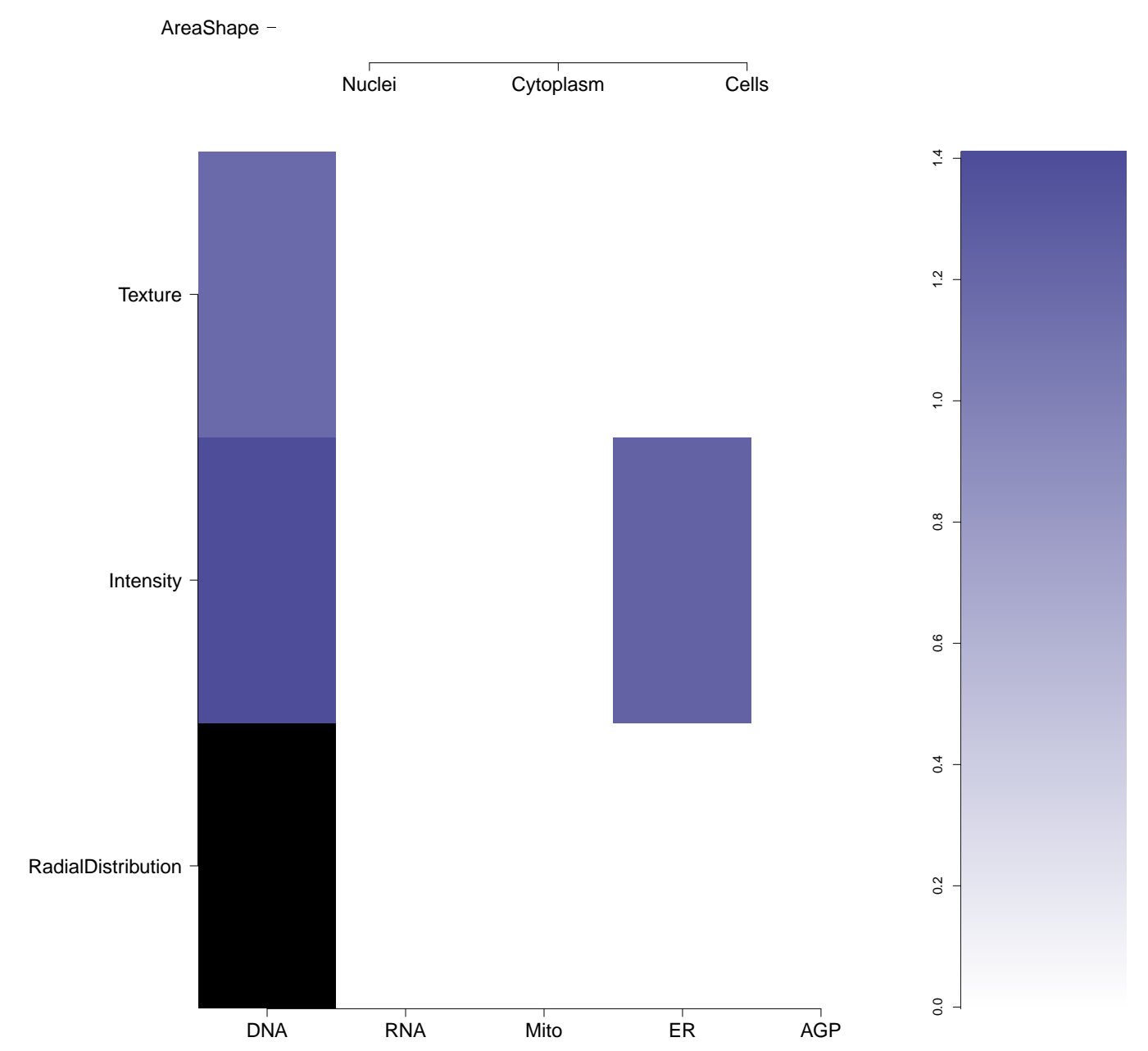
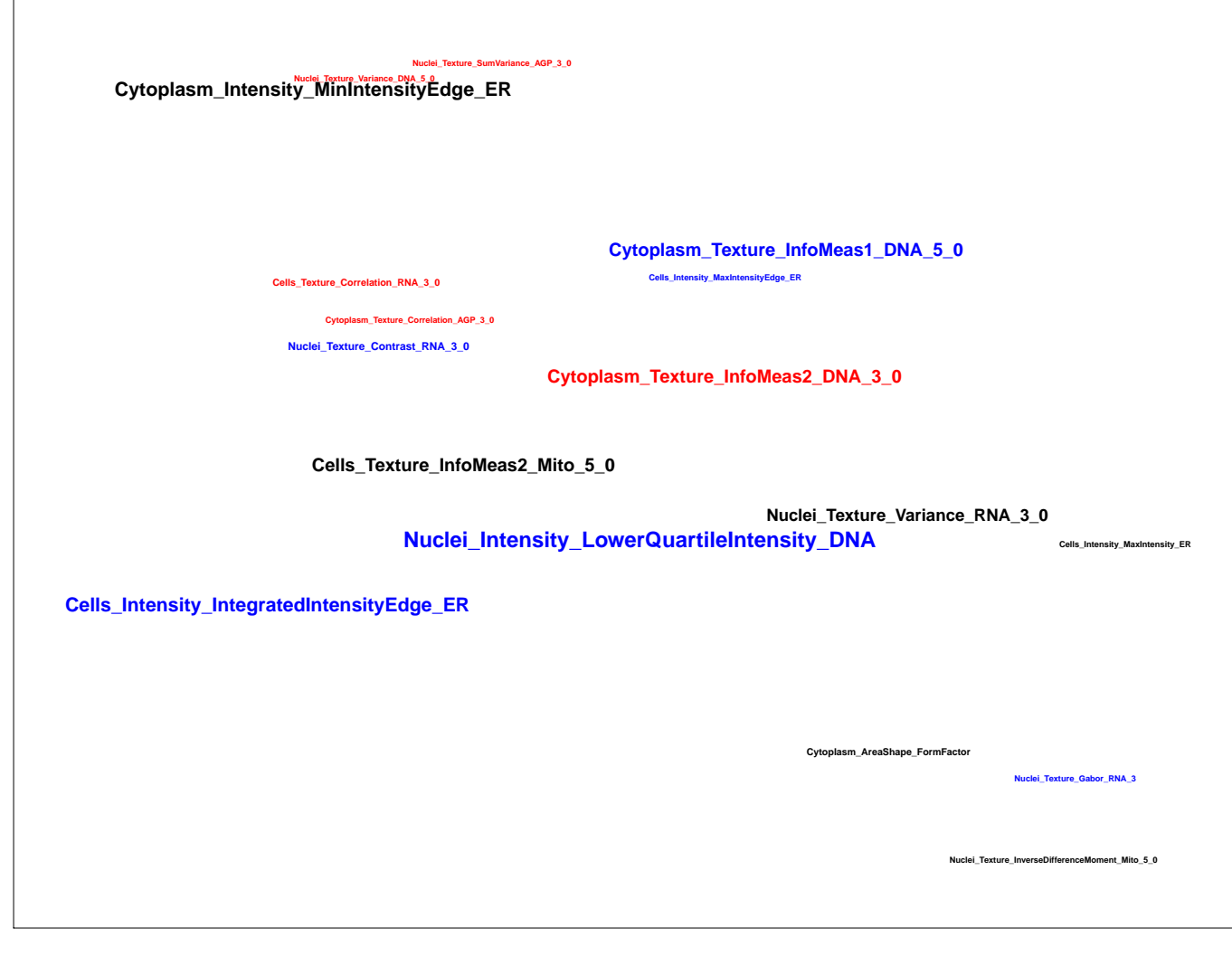
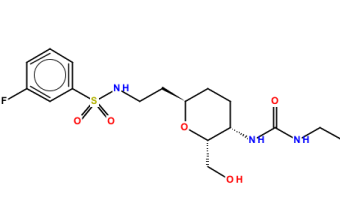
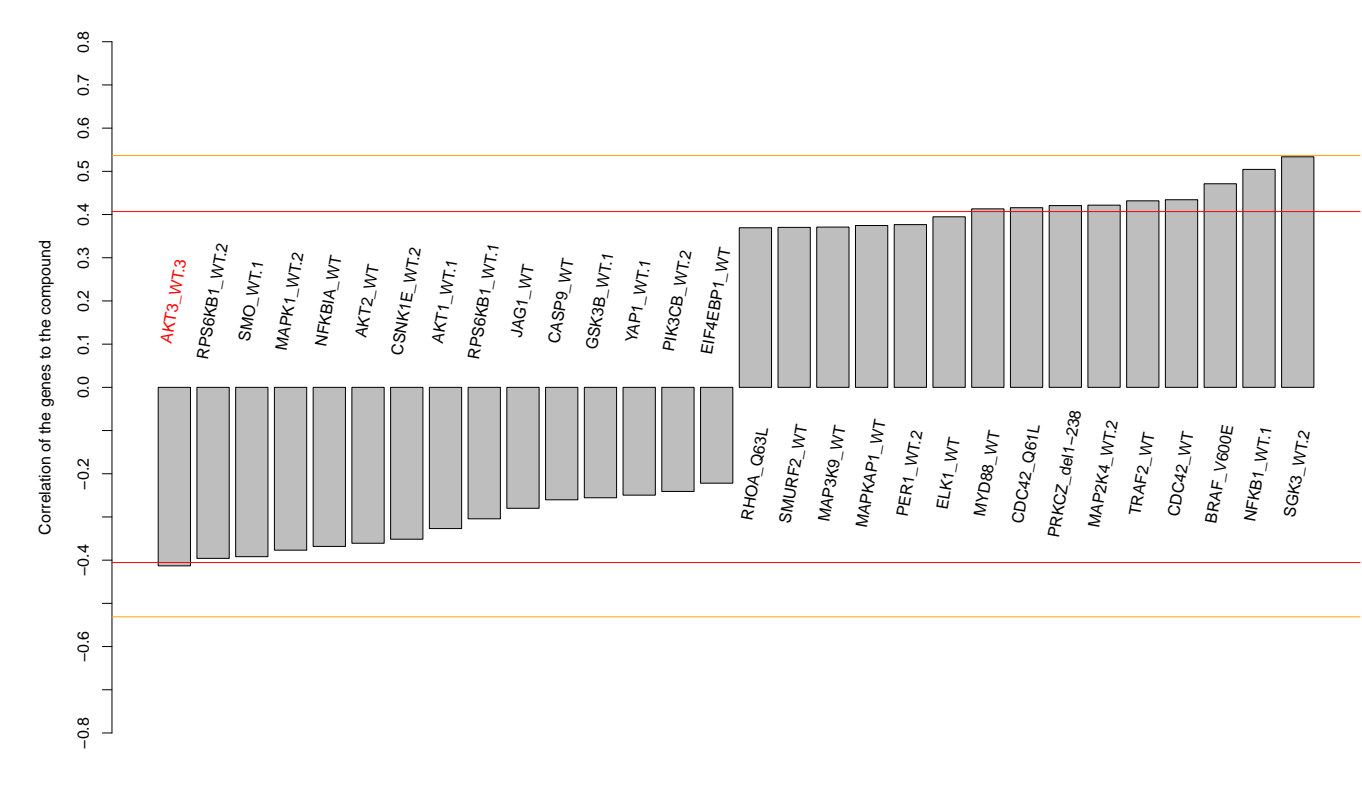
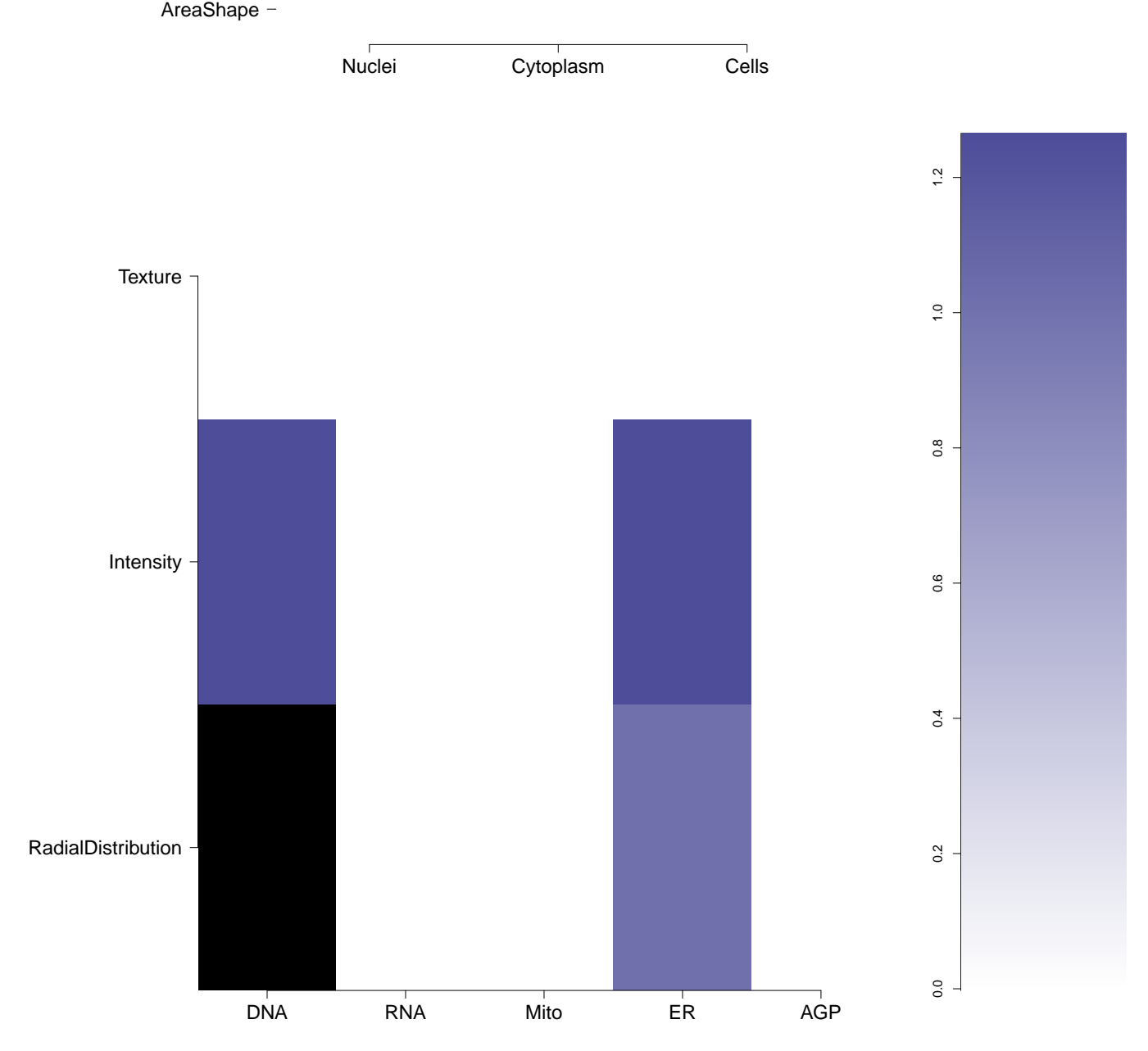
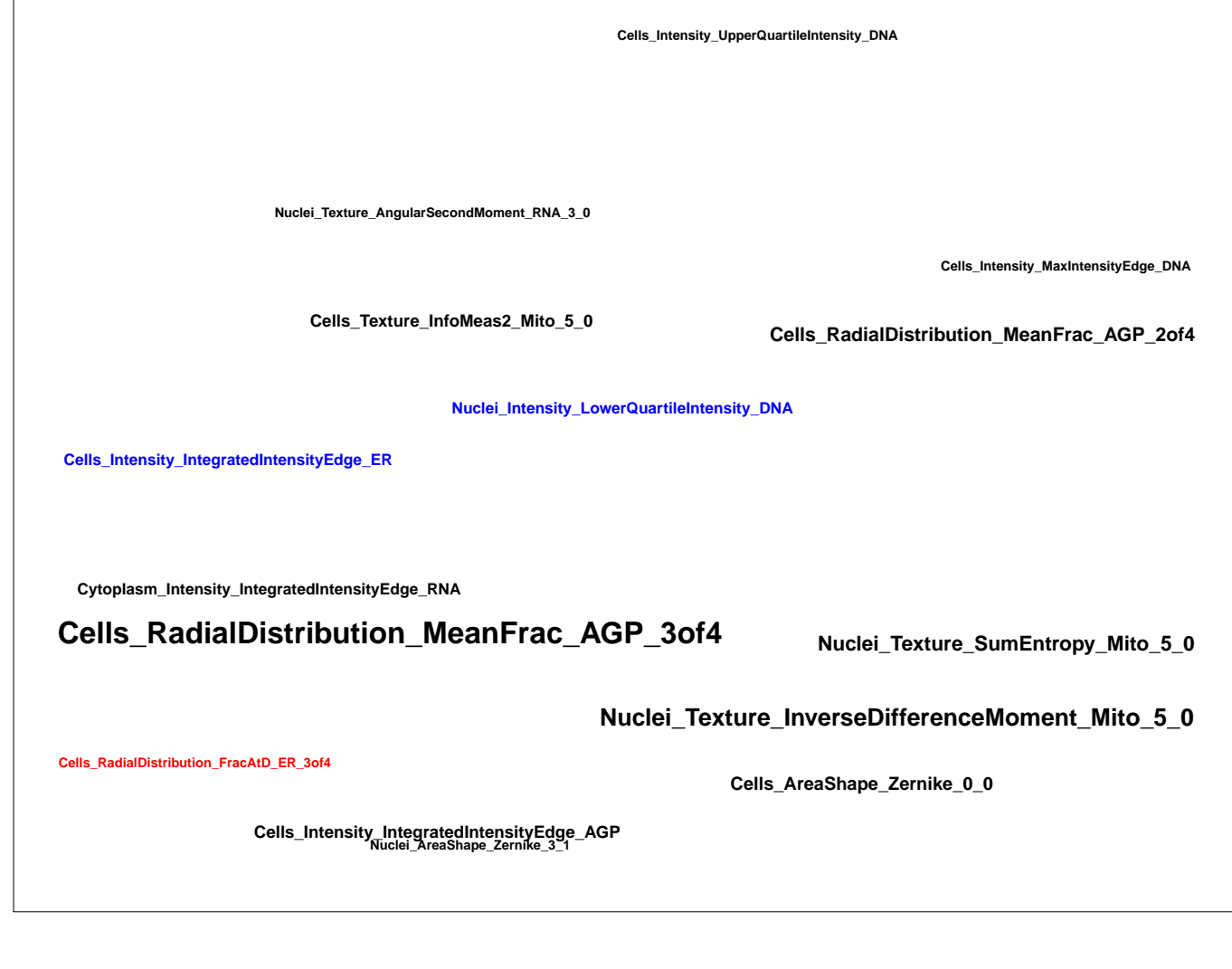
- Total number of assays tested in: 47. Active in the following assays:
- HIV entry: Env-mediated Cell Fusion Measured in Cell-Based System Using Plate Reader - 7013-01.Inhibitor.SinglePoint.HTS-Activity (AID 651610)
 - HIV entry: Env-mediated Cell Fusion Measured in Cell-Based System Using Plate Reader - 7013-01.Inhibitor.Dose.CherryPick-Activity (AID 652057)
 - Cell fusion assay for clade C HIV-1ZM109 Env Measured in Cell-Based System Using Plate Reader - 7013-05.Inhibitor.Dose.CherryPick-Activity (AID 652058)
 - HIV-1 Cell Fusion assay for clade B Env ADS Measured in Cell-Based System Using Plate Reader - 7013-04.Inhibitor.Dose.CherryPick-Activity (AID 652062)

BRD-K73083114-001-01-4 PubChem CID : 54649214		0.59 (in 2 replicates)	0.45	0.702			
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- Total number of assays tested in: 34.

BRD-K90586879-001-05-1 MLS000699471 SMR000225902 ZINC00340701 AC1LGKKF BDBM49685 HMS2583O22 ZINC340701 ST51038764 PubChem CID : 822962		NA (in 1 replicates)	-0.57	NA			
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- Total number of assays tested in: 651. Active in the following assays:
- Primary cell-based high throughput screening assay to measure STAT1 activation (AID 932)
 - Counter Screen for Luciferase-based Primary Inhibition Assays (AID 1006)
 - High Throughput Screen to Identify Compounds that increase expression of NF-kB in Human Neuronal Cells - Primary Screen (AID 1299)
 - 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)
 - Primary screen for compounds that activate Alzheimer's amyloid precursor (AID 1276)
 - Counterscreen assay for STAT1 activators: Cell-based high throughput assay to measure NF-kappaB activation (AID 1306)
 - Counterscreen assay for STAT1 activators: Cell-based high throughput assay to measure STAT3 activation (AID 1316)
 - qHTS Assay for Enhancers of SMN2 Splice Variant Expression (AID 1458)
 - MLPNC 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)
 - HTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 8 (SEN8) (AID 2540)
 - uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 6 (SEN6) (AID 2599)
 - uHTS Luminescent assay for identification of inhibitors of Sentrin-specific protease 7 (SEN7) (AID 434973)
 - qHTS Assay for Rab9 Promoter Activators (AID 485297)
 - qHTS Assay for NPC1 Promoter Activators (AID 485313)
 - Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 6 (SEN6) using a Luminescent assay (AID 488915)
 - Single concentration confirmation of uHTS for inhibitors of Sentrin-specific protease 7 (SEN7) using a Luminescent assay (AID 488917)
 - Single concentration confirmation of inhibitors of Sentrin-specific proteases (SENPs) using a Caspase-3 Selectivity assay (AID 488918)
 - qHTS screen for small molecules that induce genotoxicity in human embryonic kidney (HEK293T) cells expressing luciferase-tagged ELG1 (AID 504466)
 - MITF Measured in Cell-Based System Using Plate Reader - 2084-01.Activator.Dose.CherryPick-Activity (AID 540258)
 - MITF Measured in Cell-Based System Using Plate Reader - 2084-01.Activator.SinglePoint.HTS-Activity (AID 588334)
 - 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 to Identify Small Molecule Activators of BRCA1 Expression (AID 624202)
 - uHTS identification of SKN-1 Inhibitors in a fluorescence assay (AID 624304)
 - Luminescence-based cell-based primary high throughput screening assay for inhibitors of the orphan nuclear receptor subfamily 0, group B, member 1 (DAX1; NR0B1): repression of SF-1 (NR5A1) activated ShAR promoter by full-length DAX-1 (AID 652010)
 - 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 743950)

BRD-K91796483-001-01-2 PubChem CID : 44486359		0.53 (in 3 replicates)	-0.49	0.902				Total number of assays tested in: 51.
BRD-K33197627-001-01-1 PubChem CID : 54614727		0.62 (in 4 replicates)	-0.47	0.743				Total number of assays tested in: 36.
BRD-K32683110-001-01-5 PubChem CID : 54641154		NA (in 1 replicates)	-0.41	NA				Total number of assays tested in: 38.